

Coaxial -

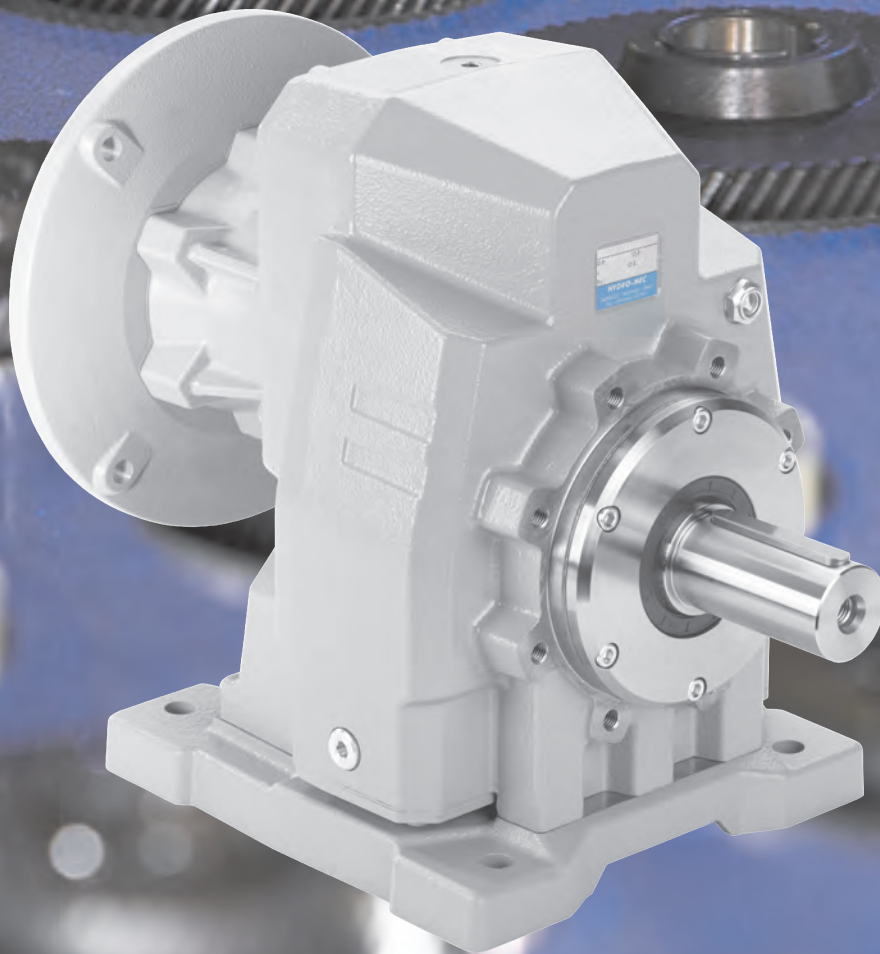
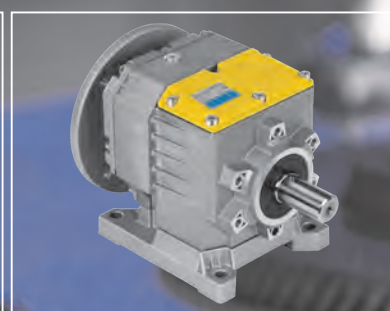
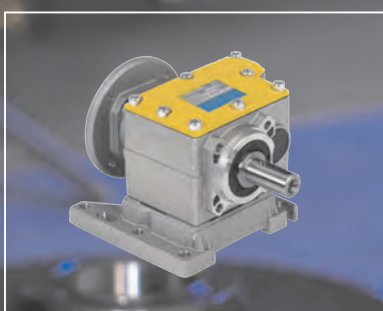
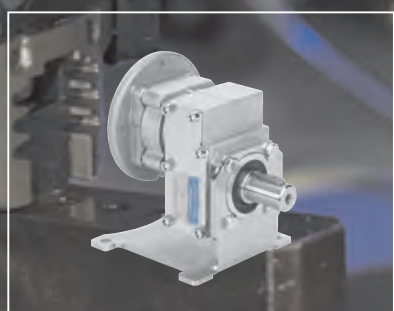
Gears



Cat.: CT-RCM-WO-HM012

Coaxial gearboxes

Riduttori Coassiali
0.12 ÷ 22kW



Made in Italy



HYDRO · MEC

IN THIS CATALOGUE

One Step-Gear



Compact aluminum in line gearboxes with one stage of reduction.

Riduttori coassiali in alluminio con uno stadio di riduzione.

See technical data table.

Vedi tabelle dati tecnici.

Paragraph 5

Coaxial-Gear



Compact aluminum in line gearboxes with two or three stages of reduction.

Riduttori coassiali in alluminio con due o tre stadi di riduzione.

See technical data table.

Vedi tabelle dati tecnici.

Paragraph 6

Coaxial-Gear



Cast iron gearboxes with one stage of reduction.

Riduttori in ghisa ad uno stadio di riduzione.

See technical data table.

Vedi tabelle dati tecnici.

Paragraph 7

Coaxial-Gear



Cast iron gearboxes with two or three stages of reduction.

Riduttori in ghisa con due o tre stadi di riduzione.

See technical data table.

Vedi tabelle dati tecnici.

Paragraph 7

Aluminum electric motors



Metric electric motors are in aluminum. On request they can be supplied with different Level of protection and painted with 2 or 3 level of anticorrosive paint.

I motori metrici sono in alluminio, su richiesta possono essere forniti con differenti livelli di protezione e verniciati con vernice anticorrosiva.

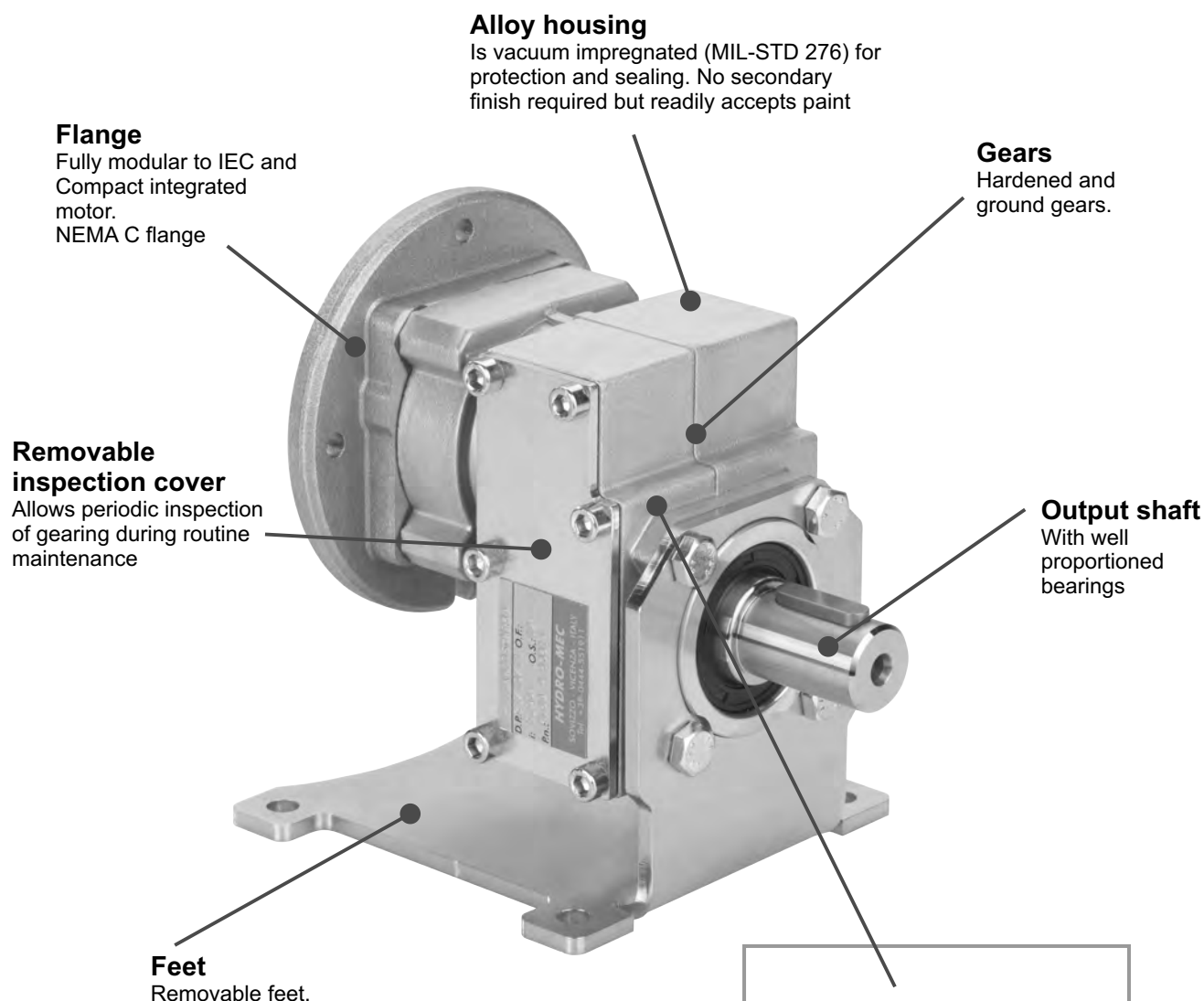
See technical data table.

Vedi tabelle dati tecnici.

Pag. M-1 ÷ M-2

Aluminum one step gearboxes

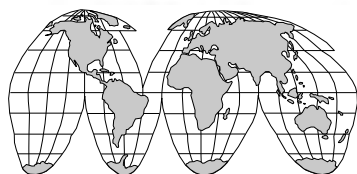
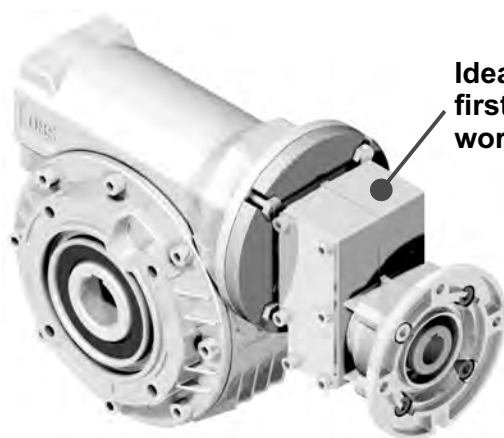
A modular and compact product



Single-piece aluminum alloy housing

Combines light weight with high tensile strength. Precision machined for alignment of bearings and gearing

Ideal for use as first step with wormgearboxes.



World wide sales network.

Lubricated for life with synthetic oil with operative range from -15° to +130°C



Specific type datasheet on page...

On page / A pagina / Auf Seite / En la página



Types / Tipi /
Arten / Tipos →

5-5	5-7	5-9	5-11
211A 20Nm	311A 30Nm	411A 38Nm	511A 110Nm

On page / A pagina / Auf Seite / En la página



Types / Tipi /
Arten / Tipos →

M-1										
56A 56B	63A 63B	71A 71B	80A 80B	90S 90L	100LA 100LB	112M	132S 132M	160M 160L	180M 180L	

• Get on our web for the selected type/size the detailed informations

For : / Per : / Für : / Para :

Selection guide - fs
Guida alla selezione

Reversibility
Reversibilità

Download 3D drawings
Download disegni 3D

Mounting pos. - Lubrication
Pos. di montaggio - lubrificazione

Thermal limit
Limite termico

Interchangeability
Intercambiabilità

2 - 6 poles selection
Selezione 2 - 6 poli

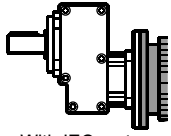
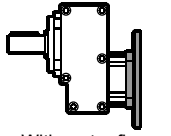
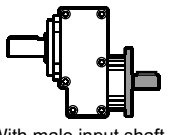
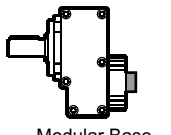
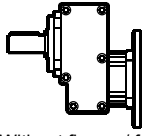
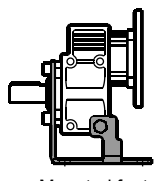
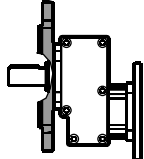
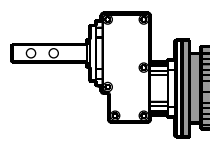
Atex certification
Certificazione Atex

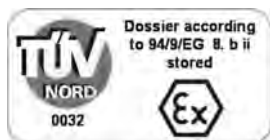
Installation and maintenance
Installazione, uso e manutenzione

Radial - axial loads
Carichi radiali e assiali

Accessories
Accessori

Spare parts list
Liste parti di ricambio

Type - Tipo - Typ - Tipo	Size - Grandezza Grösse - Tomaño	Mounting - Montaggio - Montage - Tipo de montaje
P	311A	H1
<p>Aluminum one step gear Riduttori in alluminio a uno stadio</p> <div>  <p>With IEC motor M</p> </div> <div>  <p>With motor flange P</p> </div> <div>  <p>With male input shaft R</p> </div> <div>  <p>Modular Base B</p> </div>	<p>1 Stages Riduzioni Stufen Etapas</p> <p>211A 311A 411A 511A</p>	<div>  <p>Without flange / feet -N</p> </div> <div>  <p>Mounted feet H1</p> </div> <div>  <p>Output flange mounted -F</p> </div>
<p>Special output shaft Albero uscita speciale</p>  <p>Only on request for Q.ty A richiesta per quantità</p>		

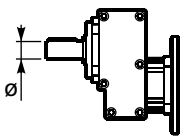
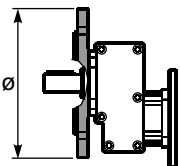
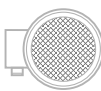



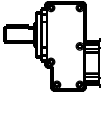
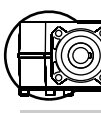
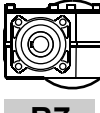
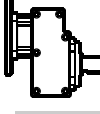
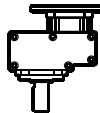
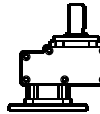


A richiesta possiamo fornire i nostri prodotti secondo le normative ATEX

On request we can deliver our products according to the ATEX

Auf Anfrage können wir unsere Produkte den Richtlinien ATEX entsprechend liefern

A pedido, se pueden enviar nuestros productos de acuerdo con las normas ATEX.

Ratio - Rapporto Untersetzung Relación	Output shaft Albero uscita Abtriebswelle Eje en salida	Output flange Flangia uscita Ausgangsflansch Brida en salida	Motor size Grandezza motore Motor Grösse Tamaño motor	Terminal box position Posizione morsettiere Klemmkastenlage Posición caja de bornes	Mounting position Posizione montaggio Einbaulage Position de montage
2.84	S	2	C	B	B3
<p>See technical data table</p> <p>Vedi tabelle dati tecnici.</p> <p>Technisches Datenblatt beachten.</p> <p>Ver tabla datos técnicos</p>	 <p>→ STANDARD</p> <p>211A</p> <p>S → Ø14</p> <p>311A</p> <p>S → Ø14</p> <p>C → Ø19</p> <p>E → Ø24</p> <p>411A</p> <p>S → Ø14</p> <p>C → Ø19</p> <p>E → Ø24</p> <p>511A</p> <p>C → Ø19</p> <p>E → Ø24</p> <p>G → Ø28</p>	 <p>N Senza flangia Without flange</p> <p>311A</p> <p>1 → Ø120</p> <p>2 → Ø140</p> <p>3 → Ø160</p> <p>4 → Ø200</p> <p>411A</p> <p>1 → Ø120</p> <p>2 → Ø140</p> <p>3 → Ø160</p> <p>4 → Ø200</p> <p>511A</p> <p>1 → Ø120</p> <p>2 → Ø140</p> <p>3 → Ø160</p> <p>4 → Ø200</p> <p>5 → Ø250</p>	<p>Standard Flange Flangia Standard</p> <p>B5</p> <p>A=56 (Ø120)</p> <p>B=63 (Ø140)</p> <p>C=71 (Ø160)</p> <p>D=80 (Ø200)</p> <p>E=90 (Ø200)</p> <p>F=100+112 (Ø250)</p> <p>B14</p> <p>O=56 (Ø80)</p> <p>P=63 (Ø90)</p> <p>Q=71 (Ø105)</p> <p>R=80 (Ø120)</p> <p>T=90 (Ø140)</p> <p>U=100+112 (Ø160)</p> <p>V=132 (Ø200)</p> <p>Type R / Tipo R</p> <p>211A 311A</p> <p>1 → Ø14</p> <p>411A</p> <p>2 → Ø19</p> <p>Without flange / Senza flangia</p> <p>211A 311A</p> <p>Z → Ø9 (56B5)</p> <p>0 → Ø11 (63B5)</p> <p>1 → Ø14 (71B5)</p> <p>511A</p> <p>2 → Ø19 (80B5)</p> <p>3 → Ø24 (90B5)</p> <p>4 → Ø28 (100B5)</p> <p>→ STANDARD</p>	 <p>A</p>  <p>B</p> <p>STANDARD</p>  <p>C</p>  <p>D</p>	 <p>B3/B5</p> <p>STANDARD</p>  <p>B6</p>  <p>B7</p>  <p>B8</p>  <p>V5</p>  <p>V6</p> <p>Specify only for vertical positions</p> <p>Specificare solo per posizione verticale</p>

POTENZA RICHIESTA / REQUIRED POWER / ERFORDERLICHE LEISTUNG / POTENCIA NECESARIA

Lifting / sollevamento / hubantriebe / elevación

$$P [KW] = \frac{M [Kg] \cdot g [9.81] \cdot v [m / s]}{1000}$$

Rotation / rotazione / drehung / rotation

$$P [KW] = \frac{M [Nm] \cdot n [rpm]}{9550}$$

Linear movement / traslazione / linearbewegung / translacion

$$P [KW] = \frac{F [N] \cdot v [m / s]}{1000}$$

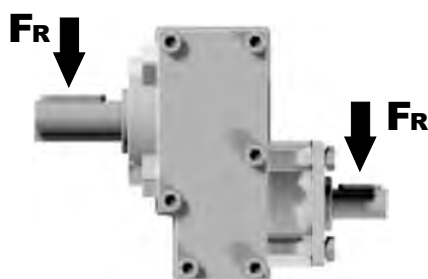
TORQUE / COPPIA / DREHMOMENT / PAR

$$M [Nm] = \frac{9550 \cdot P[KW]}{n [rpm]}$$

$$M [lb in] = \frac{63030 \cdot P[HP]}{n [rpm]}$$

RADIAL LOADS / CARICHI RADIALI / RADIALE - UND AXIALLASTEN / CARGA RADIAL Y AXIAL

- Radial load generated by external transmissions keyed onto input and/or output shafts.
- Forza radiale generata da organi di trasmissione calettati sugli alberi di ingresso e/o uscita.
- Belastungen der Antriebs- bzw. Abtriebswellen durch von aussen eingebrachte Radiallasten.
- Cargas radiales, generada por transmisiones externas, aplicadas sobre los ejes de entrada y/o salida



$F_R [N] = \frac{M [Nm] \cdot 2000}{d [mm]} \cdot f_k$		$F_R [N] = \frac{M [lb in] \cdot 8.9}{d [in]} \cdot f_k$	
M	Momento torcente / Output torque / Abtriebsdrehmoment / Par torsion		
d	Diametro primitivo / Diam. of driving element / Durchmesser der Abtriebseinheit / Diámetro primitivo		
f_k	Coefficiente di trasformazione / Factor / Faktor / Coefficiente de transmisión 1.15 Ingranaggi / Gearwheels / Zahnrad / Engranaje 1.25 Catena / Chain sprockets / Antriebskette / Cadena 1.75 Cinghia Trapezoidale / Narrow v-belt pulley / Keilriemen / Correa trapezoidal 2.50 Cinghia piatta / Flat-belt pulley / Flachzahnriem. / Correa plana		

- If your application requires higher radial loads, contact our technical office. Higher load may be possible.
- Nel caso la vostra applicazione richieda carichi radiali superiori consultare il nostro ufficio tecnico, valori maggiori possono essere accettati.
- Wenn Ihre Anwendung höhere Radialbelastungen erfordert, so wenden Sie sich bitte an unser technischen Büro.
- En el caso en que una aplicación exija una carga radial superior a la especificada en el catálogo, consultar a nuestra oficinas técnica.

How to select a gearbox / Come selezionare un riduttore
Wie wählt man ein Getriebe / Cómo seleccionar un reductor

B Output speed
Velocità in uscita
Abtriebsdrehzahl
Velocidad de salida

Nominal power
Potenza nominale
Max. mögliche Leistung
Potencia nominal

A Nominal torque
Momento torcente nominale
Nenn Drehmoment
Par de torsión nominal

Flange code
Codice flangia
Flanschttype
Código bridas

Input speed
Velocità in entrata
Eintriebsdrehzahl
Velocidad de entrada

Gear size
Grandezza riduttore
Getriebegröße
Tamaño reductor

Motor power
Potenza motore
Motorleistung
Potencia motor

311A One step
30Nm

Rating - Aluminum ONE STEP GEARBOXES

QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges		Available B14 motor flanges			Output Shaft	Notes
							B	C	O	P	Q		Code
892	1.57	0.37	3.9	3.3	1.24	13			C	C		2844	
493	2.84	0.37	7.0	3.3	1.21	23			C	C		1954	
426	3.29	0.37	8.1	3.2	1.18	26			C	C		1756	
362	3.87	0.37	9.6	2.9	1.08	28			C	C		1558	

C Ratio
Rapporto
Untersetzung
Relación

Transmitted torque
Momento torcente trasmesso
Mögliche Drehmomente
Par transmitido

Service factor
Fattore di servizio
Betriebsfaktor
Factor de servicio

Output shaft diam.
Diam. albero uscita
Durchmesser abtriebswelle
Diámetro eje de salida

Notes
Note
Anmerkungen
Notas

fs		Oper. hours per day Ore di funz. giorn.		
Type of load and starts per hour Tipo di carico e avviamenti per ora		3 h	10 h	24 h
Continuous or intermittent appl. with start / hour Applicazione cont. o interm. con n.ro operazioni/ora	Uniform / Uniforme	0.8	1	1.25
	Moderate / Moderato	1	1.25	1.5
	Heavy / Forte	1.25	1.5	1.75
Intermittent application with start / hour Applicazione intermittente con n.ro operazioni/ora	Uniform / Uniforme	1	1.25	1.5
	Moderate / Moderato	1.25	1.5	1.75
	Heavy / Forte	1.5	1.75	2.15




D	Motor flange available Flange disponibili Erhältliche Motorflansche Bridas disponibles
B)	Mounting with reduction ring Montaggio con boccia di riduzione Reduzierhülsen Montaje con casquillo de reducción
C)	Motor flangeholes position/terminal box position Posizione fori flangia/basetta motore Bohrungsposition am Motorflansch/-sockel Posición agujeros brida / base motor
B)	Available without reduction bushes Disponibile anche senza boccia Auch ohne Reduzierbuchse verfügbar Disponible también sin casquillo

A	Select required torque (according to service factor)	Seleziona la coppia desiderata (comprensiva del fattore di servizio)	Max. Drehmoment in Bezug zum Betriebsfaktor	Seleccionar el par deseado (incluyendo el factor de servicio)
B	Select output speed	Seleziona la velocità in uscita	Ausgewählte Abtriebsdrehzahl	Seleccionar la velocidad de salida
C	On the same line of selected geared motor, you can find the gear ratio	Sulla riga corrispondente alla motorizzazione prescelta si può rilevare il rapporto di riduzione	Auf der gleichen Linie wie die ausgewählte Motorleistung steht auch die Getriebeuntersetzung	En la línea correspondiente al motor preseleccionado es posible encontrar la relación de reducción
D	Select motor flange available (if requested)	Scegli la flangia disponibile (se richiesta)	Erhältliche Motorflansche (auf Anfrage)	Seleccionar la brida disponible (sobre pedido)



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft 	Output Shaft 	Ratios code 
							B	C	D	E	O	P	Q	R			
682.1	2.05	0.37	5.1	2.0	0.73	10					C	C			1939	standard ø14	01
595.0	2.35	0.37	5.8	2.1	0.76	12					C	C			1740		02
500.0	2.80	0.37	6.9	2.0	0.75	14					C	C			1542		03
413.6	3.38	0.37	8.4	2.0	0.75	17					C	C			1344		04
297.9	4.70	0.37	11.6	1.7	0.64	20					C	C			1047		05
225.0	6.22	0.37	15.4	1.5	0.54	23					C	C			956		06
169.0	8.28	0.37	20.5	1.0	0.37	20					C	C			758		07
142.4	9.83	0.25	16.4	1.0	0.25	16					C	C			659		08

The dynamic efficiency is **0.98** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **211A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **211A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **211A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **211A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

LUBRICATION 211A Oil Quantity 0.05 Lt.

AGIP Telium VSF 320

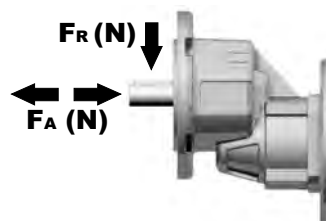
SHELL Omala S4 WE 320

For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS

Output shaft

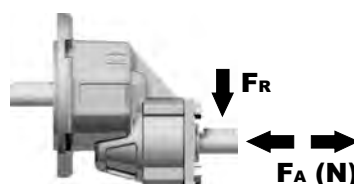
Albero di uscita



n_2	FA	FR
700	101	504
600	120	600
400	138	696
300	151	756
200	175	876
140	192	960

Input shaft

albero in entrata



n_2	FA	FR
1400	168	840
900	192	960

***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

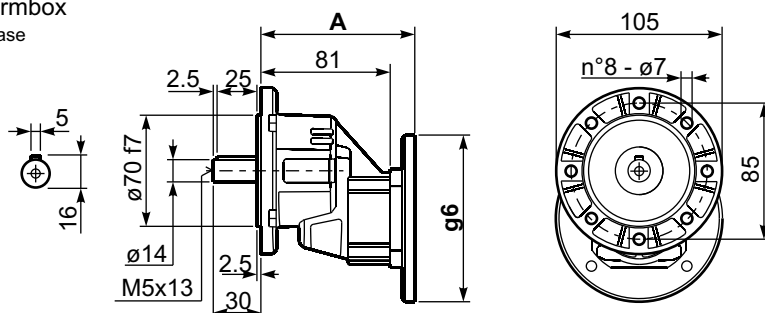
tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P_{211A-F}... Basic wormbox
Biduttore base

Basic wormbox
Riduttore base

Gearbox weight peso riduttore	1.40 kg
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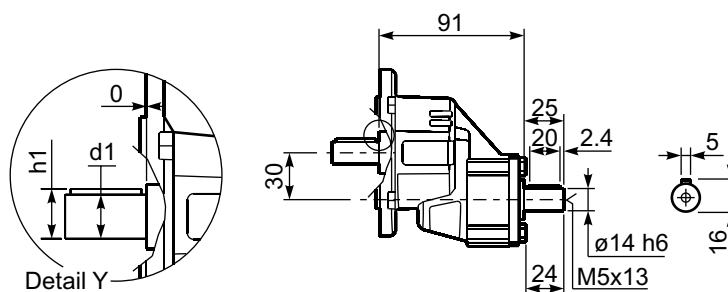


B5 Motor Flanges	A	g6	kit code
63 B5	97.5	138	K050.4.041
71 B5	95.5	160	K050.4.042

B14 Motor Flanges	A	g6	kit code
56 B14	97	80	KC40.4.049
63 B14	99	90	K050.4.047
71 B14	97	105	K050.4.045

R211A-F...	Basic wormbox Riduttore base
-------------------	---------------------------------

Basic wormbox
Riduttore base





***Available output shaft** / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	ø 14x30	5	16	M5x13



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges		Available B14 motor flanges			Output Shaft 	Ratios code 
							B	C	O	P	Q		
892	1.57	0.37	3.9	3.3	1.24	13			C	C		2844	01
493	2.84	0.37	7.0	3.3	1.21	23			C	C		1954	02
426	3.29	0.37	8.1	3.2	1.18	26			C	C		1756	03
362	3.87	0.37	9.6	2.9	1.08	28			C	C		1558	04
303	4.62	0.37	11.4	2.6	0.97	30			C	C		1360	05
222	6.30	0.37	15.6	2.2	0.83	35			C	C		1063	06
170	8.22	0.37	20.3	1.9	0.69	38			C	C		974	07
130	10.86	0.37	26.8	1.0	0.38	28			C	C		776	08

The dynamic efficiency is **0.98** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **311A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **311A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **311A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **311A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

LUBRICATION 311A Oil Quantity 0.10 Lt.

AGIP Telium VSF 320

SHELL Omala S4 WE 320

For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

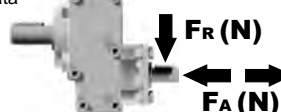
$$F_{eq} = F_R \cdot \frac{38.5}{X+18.5}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
700	120	640	400	160	800	200	200	1020
600	140	700	300	175	880	140	225	1120

Input shaft

Albero in entrata



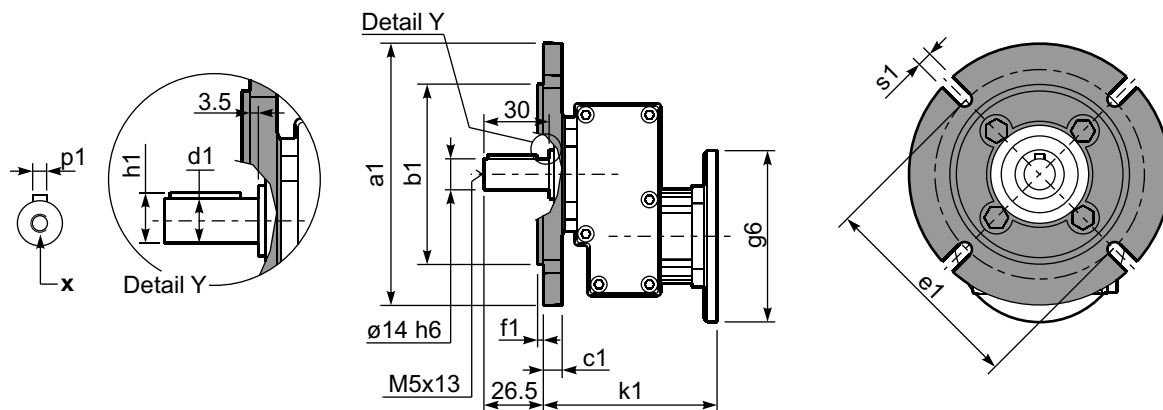
n_1	FA	FR
1400	180	860
900	200	980

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P311-F... Output flange
flange di uscita

Gearbox
weight
peso riduttore **2.50 kg**



***Available output shaft / Alberi di uscita**

	Shaft - d1	p1	h1	x
Standard	ø 14x30	5	16	M5x13
On request A richiesta	ø 19x40	6	21.5	M6x16
	ø 24x40	8	27	M6x16

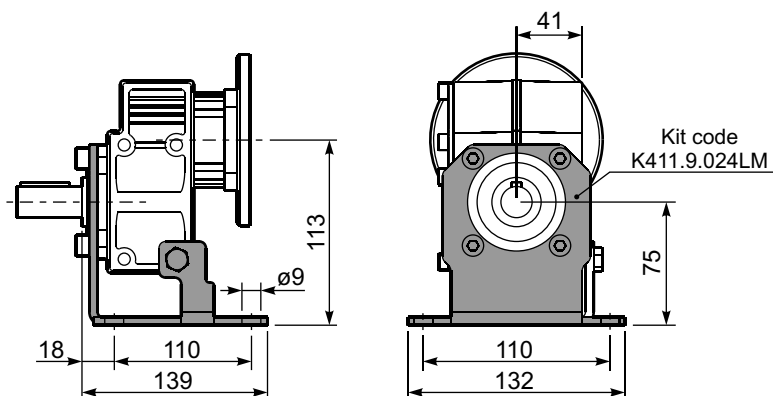
Available output flanges / flange di uscita

a1 ø	b1	c1	e1	f1	s1	kit code
120	80	11.5	100	3	9*	KC30.9.010
140	95	11.5	115	3	9	KC30.9.011
160	110	11.5	130	3.5	9	KC30.9.012
200	130	11.5	165	3.5	11	KC30.9.013

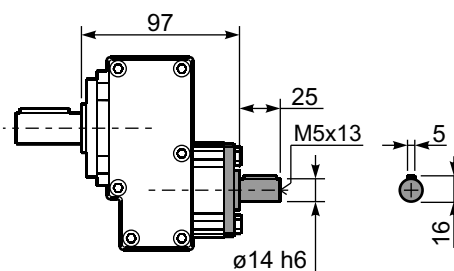
*Holes position
posizione fori



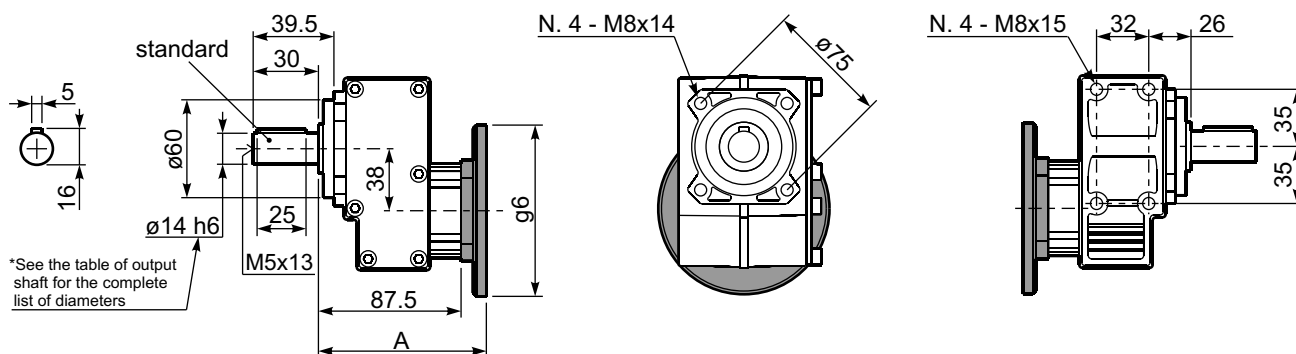
P311-H1... With feet
Con piedini



R311-N... Input Shaft
Albero in entrata



P311-N... Basic gearbox
Riduttore base



B14 Motor Flanges	A	g6	k1	kit code
56 B14	107.5	80	111	KC40.4.049
63 B14	105.5	90	109	K050.4.047
71 B14	103	105	106.5	K050.4.045

B5 Motor Flanges	A	g6	k1	kit code
63 B5	103.5	138	107	K050.4.041
71 B5	101.5	160	105	K050.4.042



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft		Ratios code
							B	C	D	E	Q	R	T			
892	1.57	1.5	15.7	1.3	1.90	20	B				C	C		2844	standard ø19	01
493	2.84	1.5	28.4	1.2	1.84	35	B				C	C		1954		02
426	3.29	1.5	32.9	1.2	1.73	38	B				C	C		1756		03
362	3.87	1.5	38.7	1.0	1.54	40	B				C	C		1558		04
303	4.62	1.5	46.1	1.0	1.54	47	B				C	C		1360	On request ø14 ø24	05
222	6.30	1.1	46.0	1.0	1.10	46	B				C	C		1063		06
170	8.22	0.55	30.4	1.2	0.69	38	B				C	C		974		07
130	10.86	0.37	26.8	1.0	0.38	28	B				C	C		776		08

The dynamic efficiency is **0.98** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **411A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **411A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **411A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **411A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

LUBRICATION 411A Oil Quantity 0.20 Lt.

AGIP Telium VSF 320

SHELL Omala S4 WE 320

For all details on lubrication and plugs check our website

Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

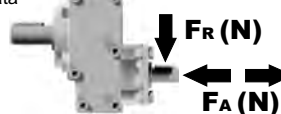
$$F_{eq} = F_R \cdot \frac{40}{X+20}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
700	182	910	400	230	1150	200	290	1450
600	200	1000	300	250	1250	140	320	1600

Input shaft

Albero in entrata



n_1	FA	FR
1400	240	1200
900	280	1400

tab. 2

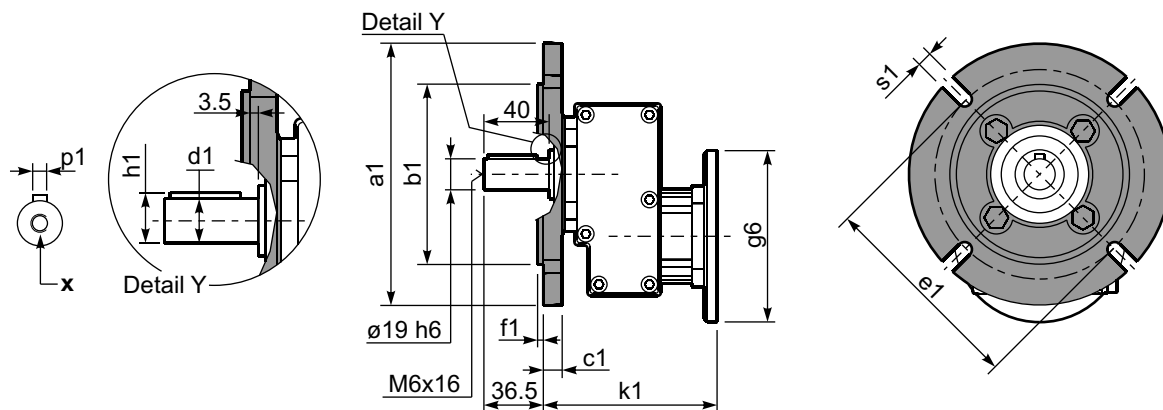
SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P411-F...

Output flange
flange di uscita

Gearbox weight
peso riduttore

3.20 kg



***Available output shaft** / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	ø 19x40	6	21.5	M6x16
On request	ø 14x30	5	16	M5x13
A richiesta	ø 24x40	8	27	M6x16

Available output flanges / flange di uscita

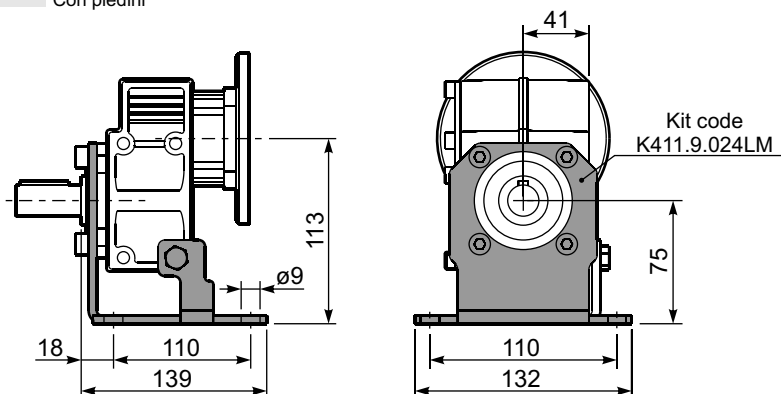
a1 ø	b1	c1	e1	f1	s1	kit code
120	80	11.5	100	3	9*	KC30.9.010
140	95	11.5	115	3	9	KC30.9.011
160	110	11.5	130	3.5	9	KC30.9.012
200	130	11.5	165	3.5	11	KC30.9.013

*Holes position
posizione fori



P411-H1...

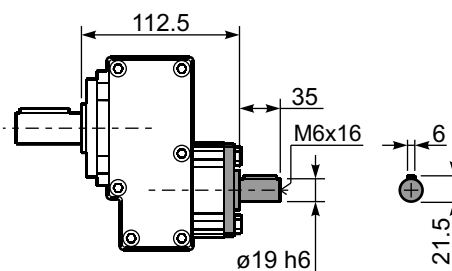
With feet
Con piedini



R411-N...

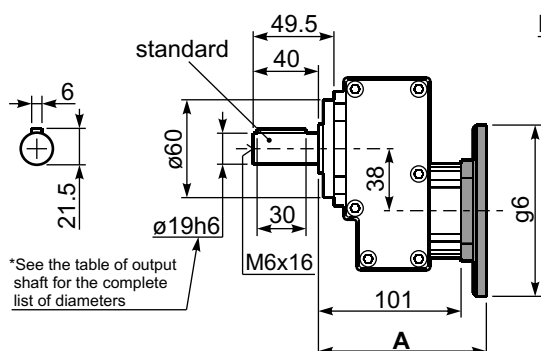
Input Shaft

Albero in entrata

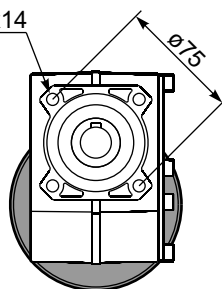


P411-N...

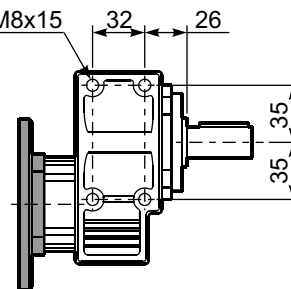
Basic gearbox
Riduttore base



N. 4 - M8x14



N. 4 - M8x15






B5 Motor Flanges	A	g6	k1	kit code
63 B5	121.5	140	125	K063.4.041
71 B5	119.5	160	123	K063.4.042
80/90 B5	121.5	200	125	K063.4.043

B14 Motor Flanges	A	g6	k1	kit code
71 B14	119.5	105	123	K063.4.047
80 B14	120.5	120	124	K063.4.046
90 B14	121.5	140	125	K063.4.041
100/112 B14	119.5	160	123	KC40.4.041




QUICK SELECTION / Selezione veloce


input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft 	Output Shaft 	Ratios code 
							C	D	E	F	R	T	U	V			
1077	1.30	4	34	1.2	4.6	40	71	80	90	100	80	90	100	132	3039	standard ø28 On request ø19 ø24	01
571	2.45	4	64	1.1	4.3	70	B								2049		02
423	3.31	4	87	1.0	4.1	90	B								1653		03
325	4.31	4	113	1.0	3.8	110	B								1356		04
266	5.27	3	104	1.1	3.1	110	B								1158		05
184	7.63	2.2	111	1.0	2.2	110	B								861		06
133	10.50	1.1	77	1.0	1.1	80	B								663		07

The dynamic efficiency is 0.98 for all ratios

 Motor Flanges Available
Flange Motore Disponibili

 B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

 B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

 C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **511A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **511A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **511A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **511A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

LUBRICATION 511A Oil Quantity 0.29 Lt.

AGIP Telium VSF 320

SHELL Omala S4 WE 320

For all details on lubrication and plugs check our website

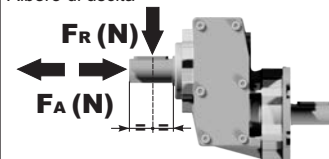
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

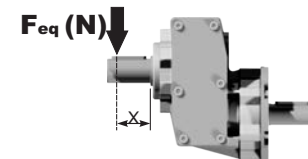
RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita



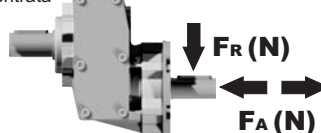
$$F_{eq} = F_R \cdot \frac{52.5}{X+22.5}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
700	294	1470	400	370	1850	200	460	2300
600	320	1600	300	400	2000	140	510	2550

Input shaft

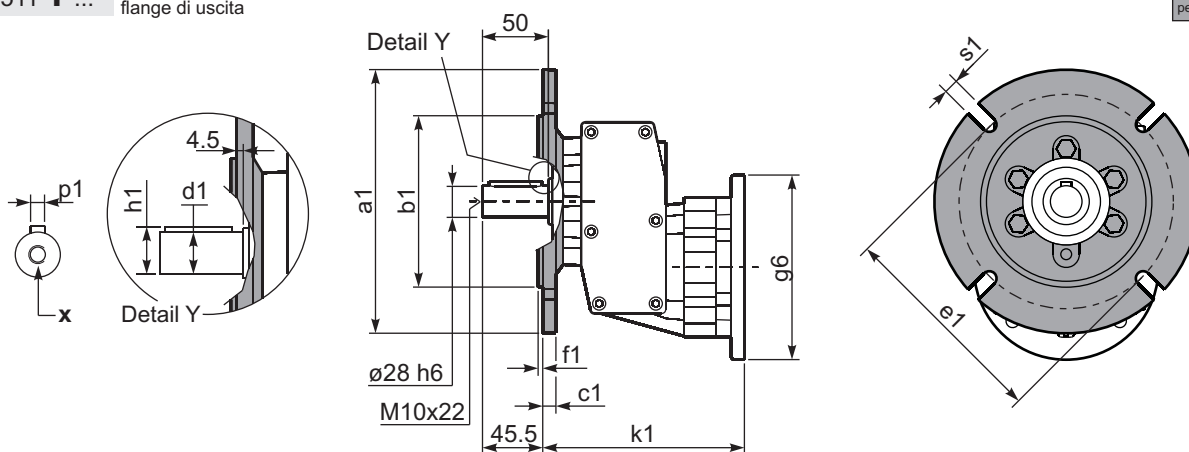
Albero in entrata



n_1	FA	FR
1400	400	2000
900	440	2200

tab. 2

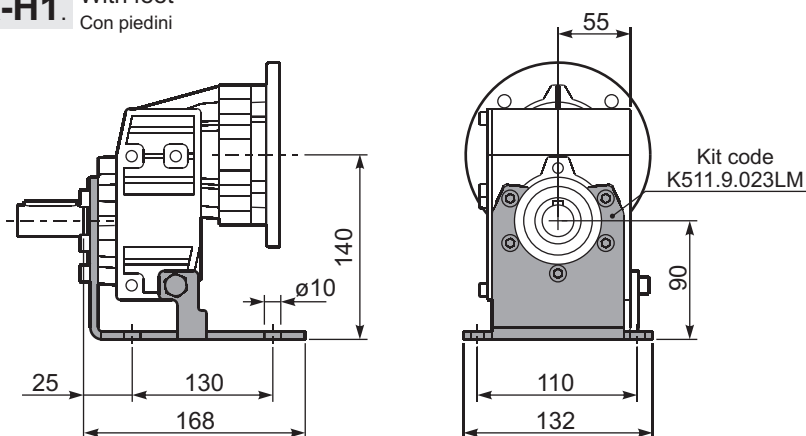
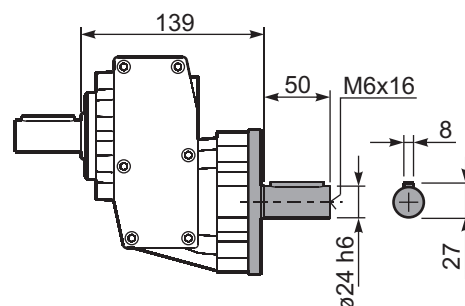
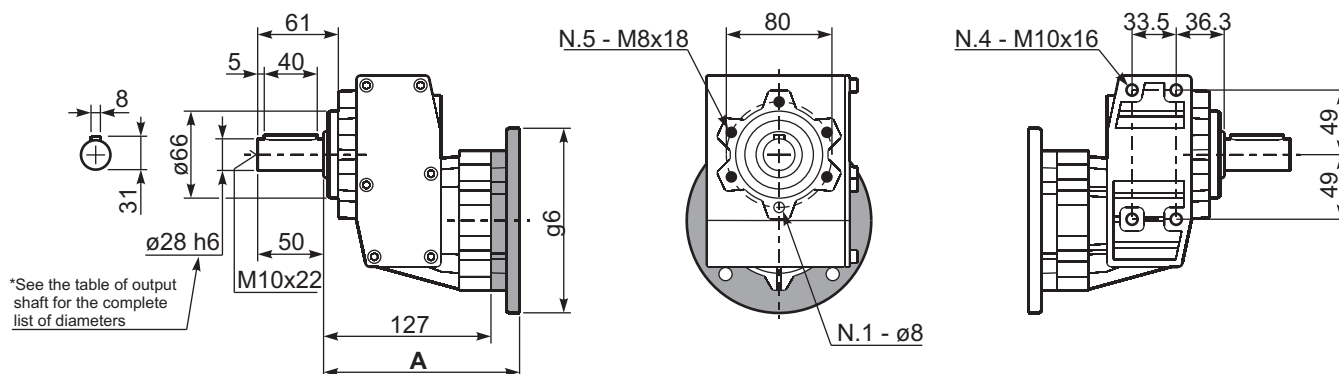
SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P511-F...Output flanges
flange di uscitaGearbox
weight
peso riduttore**5.00 kg*****Available output shaft** / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	ø 28x50	8	31	M10x22
On request A richiesta	ø 24x50	8	27	M8x19
	ø 19x40	6	21.5	M6x16

Available output flanges / flange di uscita

a1 ø	b1	c1	e1	f1	s1	kit code
120	80	10	100	3	9	KC40.9.010
140	95	10	115	3	9	KC40.9.011
160	110	10	130	3	9	KC40.9.012
200	130	11	165	3.5	11	KC40.9.013
250	180	11.5	215	3.5	14	KC40.9.014

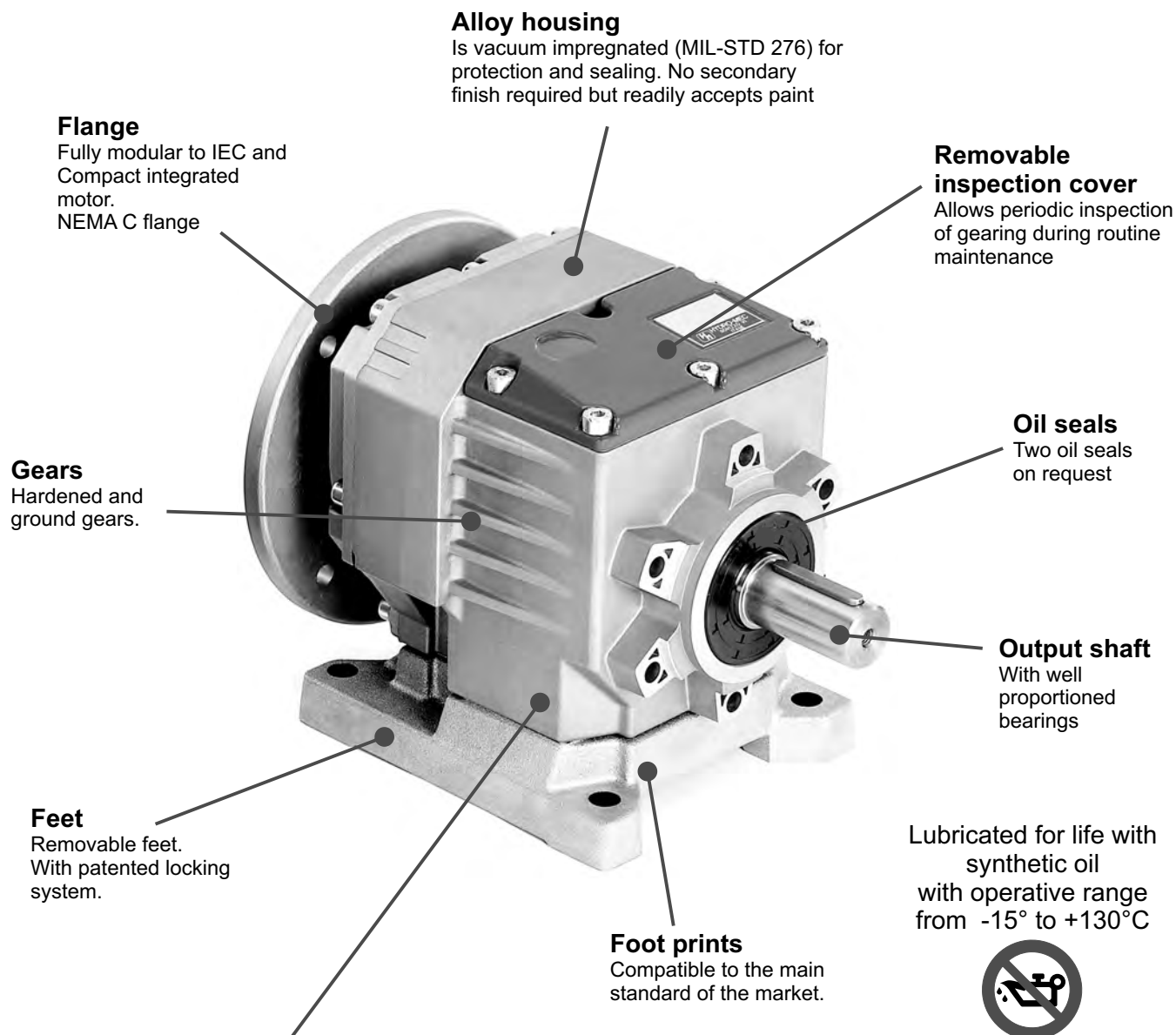
P511A-H1.With feet
Con piedini**R511A-N...**Input Shaft
Albero in entrata**P511-N...**Basic gearbox
Riduttore base

B5 Motor Flanges	A	g6	k1	kit code
71 B5	145	160	149.5	KC023.4.041
80/90 B5	147	200	151.5	KC023.4.042
100/112 B5	153	250	157.5	KC023.4.043

B14 Motor Flanges	A	g6	k1	kit code
80 B14	145	120	149.5	KC085.4.046
90 B14	145	140	149.5	KC085.4.045
100/112 B14	145	160	149.5	KC085.4.047
132 B14	175	200	188	KC50.4.041

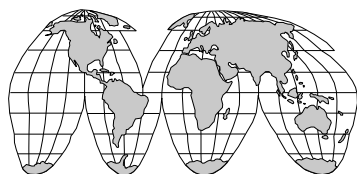
Aluminum in line gearboxes

A modular and compact product



Single-piece aluminum alloy housing

Combines light weight with high tensile strength. Precision machined for alignment of bearings and gearing



World wide sales network.



Specific type datasheet on page...



Types / Tipi /
Arten / Tipos →

On page / A pagina / Auf Seite / En la página								
6-5	6-7	6-9	6-11	6-13	6-15	6-17	6-19	6-21
202A 70Nm	302A 120Nm	402A 150Nm	403A 150Nm	452A 300Nm	502A 320Nm	503A 320Nm	602A 460Nm	603A 460Nm



Types / Tipi /
Arten / Tipos →

On page / A pagina / Auf Seite / En la página										
M-1										
56A 56B	63A 63B	71A 71B	80A 80B	90S 90L	100LA 100LB	112M	132S 132M	160M 160L	180M 180L	

• Get on our web for the selected type/size the detailed informations

For : / Per : / Für : / Para :

Selection guide - fs
Guida alla selezione

Reversibility
Reversibilità

Download 3D drawings
Download disegni 3D

Mounting pos. - Lubrication
Pos. di montaggio - lubrificazione

Thermal limit
Limite termico

Interchangeability
Intercambiabilità

2 - 6 poles selection
Selezione 2 - 6 poli

Atex certification
Certificazione Atex

Installation and maintenance
Installazione, uso e manutenzione

Radial - axial loads
Carichi radiali e assiali

Accessories
Accessori

Spare parts list
Liste parti di ricambio

Type - Tipo - Typ - Tipo

Size - Grandezza
Grösse - Tomaño

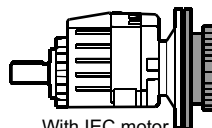
Mounting - Montaggio - Montage - Tipo de montaje

P

402A

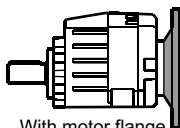
B2

Aluminum coaxial gear boxes
Riduttori coassiali in alluminio



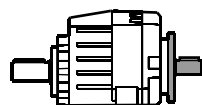
With IEC motor

M



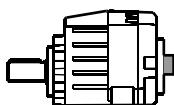
With motor flange

P



With male input shaft

R



Modular base

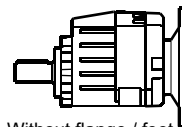
B

2 Stages
Riduzioni
Stufen
Etapas

**202A
302A
402A
452A
502A
602A**

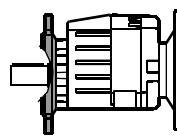
3 Stages
Riduzioni
Stufen
Etapas

**403A
503A
603A**



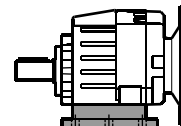
Without flange / feet

-N



Output flange mounted

-F

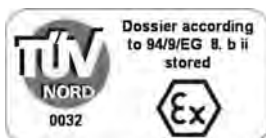


Mounted feet

B..

Feet / piedini							
Feet	Market reference	G	H	R	L	L1	S
B1	112	18	85	110	87	50	
B2	212/3	18	100	130	107.5		
S1	17	18	75	110	90+20		
S2	27	25	90	110	130		
M1	42/3	25	80	110+120	85		
L4	04	13	80	105			
L5	05	16	100	125			

You see feet code in the chart of the dimensions
Vedi codice piede nella tabella delle dimensioni

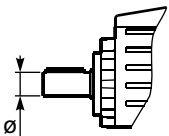
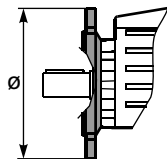




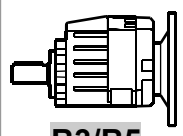
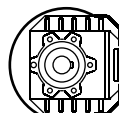
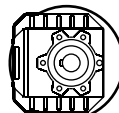
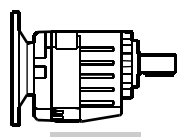
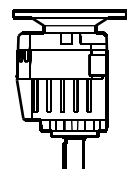
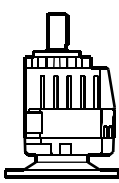
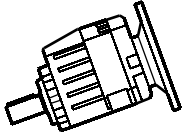


A richiesta possiamo fornire i nostri prodotti secondo le normative ATEX

On request we can deliver our products according to the ATEX

Auf Anfrage können wir unsere Produkte den Richtlinien ATEX entsprechend liefern

A pedido, se pueden enviar nuestros productos de acuerdo con las normas ATEX.

Ratio - Rapporto Untersetzung Relación	Output shaft Albero lento Abtriebswelle Eje en solida	Output flange Flangia uscita Ausgangsflansch Brida en salida	Motor size Grandezza motore Motor Grösse Tamaño motor	Terminal box position Posizione morsettiara Klemmkastenlage Posición caja de bornes	Mounting position Posizione montaggio Einbaulage Position de montage																																																																																				
7.33	V	2	C	B	B3																																																																																				
See technical data table Vedi tabelle dati tecnici. Technisches Datenblatt beachten. Ver tabla datos técnicos	 → STANDARD <table><tr><td>202A</td></tr><tr><td>S ⇒ Ø14</td></tr><tr><td>B ⇒ Ø16</td></tr><tr><td>D ⇒ Ø20</td></tr><tr><td>V ⇒ Ø25</td></tr></table> <table><tr><td>302A</td></tr><tr><td>S ⇒ Ø14</td></tr><tr><td>B ⇒ Ø16</td></tr><tr><td>C ⇒ Ø19</td></tr><tr><td>D ⇒ Ø20</td></tr><tr><td>E ⇒ Ø24</td></tr><tr><td>V ⇒ Ø25</td></tr><tr><td>G ⇒ Ø28</td></tr></table> <table><tr><td>402A 403A</td></tr><tr><td>S ⇒ Ø14</td></tr><tr><td>B ⇒ Ø16</td></tr><tr><td>C ⇒ Ø19</td></tr><tr><td>D ⇒ Ø20</td></tr><tr><td>E ⇒ Ø24</td></tr><tr><td>V ⇒ Ø25</td></tr></table> <table><tr><td>452A 502A 503A</td></tr><tr><td>E ⇒ Ø24</td></tr><tr><td>V ⇒ Ø25</td></tr><tr><td>G ⇒ Ø28</td></tr><tr><td>H ⇒ Ø30</td></tr><tr><td>I ⇒ Ø35</td></tr></table> <table><tr><td>602A 603A</td></tr><tr><td>G ⇒ Ø28</td></tr><tr><td>H ⇒ Ø30</td></tr><tr><td>I ⇒ Ø35</td></tr><tr><td>L ⇒ Ø38</td></tr><tr><td>M ⇒ Ø40</td></tr></table>	202A	S ⇒ Ø14	B ⇒ Ø16	D ⇒ Ø20	V ⇒ Ø25	302A	S ⇒ Ø14	B ⇒ Ø16	C ⇒ Ø19	D ⇒ Ø20	E ⇒ Ø24	V ⇒ Ø25	G ⇒ Ø28	402A 403A	S ⇒ Ø14	B ⇒ Ø16	C ⇒ Ø19	D ⇒ Ø20	E ⇒ Ø24	V ⇒ Ø25	452A 502A 503A	E ⇒ Ø24	V ⇒ Ø25	G ⇒ Ø28	H ⇒ Ø30	I ⇒ Ø35	602A 603A	G ⇒ Ø28	H ⇒ Ø30	I ⇒ Ø35	L ⇒ Ø38	M ⇒ Ø40	 N Senza flangia Without flange <table><tr><td>202A 302A</td></tr><tr><td>1 ⇒ Ø120</td></tr><tr><td>2 ⇒ Ø140</td></tr><tr><td>3 ⇒ Ø160</td></tr><tr><td>4 ⇒ Ø200</td></tr></table> <table><tr><td>402A 403A</td></tr><tr><td>1 ⇒ Ø120</td></tr><tr><td>2 ⇒ Ø140</td></tr><tr><td>3 ⇒ Ø160</td></tr><tr><td>4 ⇒ Ø200</td></tr><tr><td>5 ⇒ Ø250</td></tr></table> <table><tr><td>452A 502A 503A</td></tr><tr><td>3 ⇒ Ø160</td></tr><tr><td>4 ⇒ Ø200</td></tr><tr><td>5 ⇒ Ø250</td></tr></table> <table><tr><td>602A 603A</td></tr><tr><td>3 ⇒ Ø160</td></tr><tr><td>4 ⇒ Ø200</td></tr><tr><td>5 ⇒ Ø250</td></tr></table>	202A 302A	1 ⇒ Ø120	2 ⇒ Ø140	3 ⇒ Ø160	4 ⇒ Ø200	402A 403A	1 ⇒ Ø120	2 ⇒ Ø140	3 ⇒ Ø160	4 ⇒ Ø200	5 ⇒ Ø250	452A 502A 503A	3 ⇒ Ø160	4 ⇒ Ø200	5 ⇒ Ø250	602A 603A	3 ⇒ Ø160	4 ⇒ Ø200	5 ⇒ Ø250	Standard Flange Flangia Standard <table><tr><td>B5</td></tr><tr><td>A=56 (Ø120)</td></tr><tr><td>B=63 (Ø140)</td></tr><tr><td>C=71 (Ø160)</td></tr><tr><td>D=80 (Ø200)</td></tr><tr><td>E=90 (Ø200)</td></tr><tr><td>F=100+112 (Ø250)</td></tr></table> <table><tr><td>B14</td></tr><tr><td>O=56 (Ø80)</td></tr><tr><td>P=63 (Ø90)</td></tr><tr><td>Q=71 (Ø105)</td></tr><tr><td>R=80 (Ø120)</td></tr><tr><td>T=90 (Ø140)</td></tr><tr><td>U=100+112 (Ø160)</td></tr><tr><td>V=132 (Ø200)</td></tr></table> Type R / Tipo R <table><tr><td>202A 403A</td></tr><tr><td>1 ⇒ Ø14</td></tr></table> <table><tr><td>302A 402A 503A 603A</td></tr><tr><td>2 ⇒ Ø19</td></tr></table> <table><tr><td>452A 502A 602A</td></tr><tr><td>3 ⇒ Ø24</td></tr></table> Without flange / Senza flangia <table><tr><td>202A 403A</td></tr><tr><td>Z ⇒ Ø9 (56B5)</td></tr><tr><td>0 ⇒ Ø11 (63B5)</td></tr><tr><td>1 ⇒ Ø14 (71B5)</td></tr></table> <table><tr><td>302A 402A 503A 603A</td></tr><tr><td>1 ⇒ Ø14 (71B5)</td></tr><tr><td>2 ⇒ Ø19 (80B5)</td></tr><tr><td>3 ⇒ Ø24 (90B5)</td></tr></table> <table><tr><td>452A 502A 602A</td></tr><tr><td>2 ⇒ Ø19 (80B5)</td></tr><tr><td>3 ⇒ Ø24 (90B5)</td></tr><tr><td>4 ⇒ Ø28 (100B5)</td></tr></table> → STANDARD	B5	A=56 (Ø120)	B=63 (Ø140)	C=71 (Ø160)	D=80 (Ø200)	E=90 (Ø200)	F=100+112 (Ø250)	B14	O=56 (Ø80)	P=63 (Ø90)	Q=71 (Ø105)	R=80 (Ø120)	T=90 (Ø140)	U=100+112 (Ø160)	V=132 (Ø200)	202A 403A	1 ⇒ Ø14	302A 402A 503A 603A	2 ⇒ Ø19	452A 502A 602A	3 ⇒ Ø24	202A 403A	Z ⇒ Ø9 (56B5)	0 ⇒ Ø11 (63B5)	1 ⇒ Ø14 (71B5)	302A 402A 503A 603A	1 ⇒ Ø14 (71B5)	2 ⇒ Ø19 (80B5)	3 ⇒ Ø24 (90B5)	452A 502A 602A	2 ⇒ Ø19 (80B5)	3 ⇒ Ø24 (90B5)	4 ⇒ Ø28 (100B5)	 A  B STANDARD  C  D	 B3/B5 STANDARD  B6  B7  B8  V5  V6  V8 Specify only for vertical positions Specificare solo per posizione verticale
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POTENZA RICHIESTA / REQUIRED POWER / ERFORDERLICHE LEISTUNG / POTENCIA NECESARIA

Lifting / sollevamento / hubantriebe / elevación

$$P [KW] = \frac{M [Kg] \cdot g [9.81] \cdot v [m / s]}{1000}$$

Rotation / rotazione / drehung / rotation

$$P [KW] = \frac{M [Nm] \cdot n [rpm]}{9550}$$

Linear movement / traslazione / linearbewegung / translacion

$$P [KW] = \frac{F [N] \cdot v [m / s]}{1000}$$

TORQUE / COPPIA / DREHMOMENT / PAR

$$M [Nm] = \frac{9550 \cdot P[KW]}{n [rpm]}$$

$$M [lb in] = \frac{63030 \cdot P[HP]}{n [rpm]}$$

RADIAL LOADS / CARICHI RADIALI / RADIALE - UND AXIALLASTEN / CARGA RADIAL Y AXIAL

- Radial load generated by external transmissions keyed onto input and/or output shafts.
- Forza radiale generata da organi di trasmissione calettati sugli alberi di ingresso e/o uscita.
- Belastungen der Antriebs- bzw. Abtriebswellen durch von aussen eingebrachte Radiallasten.
- Cargas radiales, generada por transmisiones externas, aplicadas sobre los ejes de entrada y/o salida



	$F_R [N] = \frac{M [Nm] \cdot 2000}{d [mm]} \cdot f_k$	$F_R [N] = \frac{M [lb in] \cdot 8.9}{d [in]} \cdot f_k$
M	Momento torcente / Output torque / Abtriebsdrehmoment / Par torsion	
d	Diametro primitivo / Diam. of driving element / Durchmesser der Abtriebseinheit / Diámetro primitivo	
f_k	Coefficiente di trasformazione / Factor / Faktor / Coefficiente de transmisión 1.15 Ingranaggi / Gearwheels / Zahnrad / Engranaje 1.25 Catena / Chain sprockets / Antriebskette / Cadena 1.75 Cinghia Trapezoidale / Narrow v-belt pulley / Keilriemen / Correa trapezoidal 2.50 Cinghia piatta / Flat-belt pulley / Flachzahnriem. / Correa plana	

- If your application requires higher radial loads, contact our technical office. Higher load may be possible.
- Nel caso la vostra applicazione richieda carichi radiali superiori consultare il nostro ufficio tecnico, valori maggiori possono essere accettati.
- Wenn Ihre Anwendung höhere Radialbelastungen erfordert, so wenden Sie sich bitte an unser technischen Büro.
- En el caso en que una aplicación exija una carga radial superior a la especificada en el catálogo, consultar a nuestra oficinas técnica.

How to select a gearbox / Come selezionare un riduttore
Wie wählt man ein Getriebe / Cómo seleccionar un reductor

B Output speed
Velocità in uscita
Abtriebsdrehzahl
Velocidad de salida

Nominal power
Potenza nominale
Max. mögliche Leistung
Potencia nominal

Gear size
Grandezza riduttore
Getriebegröße
Tamaño reductor

Motor power
Potenza motore
Motorleistung
Potencia motor

A Nominal torque
Momento torcente nominale
Nenn Drehmoment
Par de torsión nominal

Flange code
Codice flangia
Flanschttype
Código bridas

Input speed
Velocità in entrata
Eintriebsdrehzahl
Velocidad de entrada

402A

Coaxial - Gear 150Nm

Rating - Aluminum COAXIAL GEARBOXES

QUICK SELECTION / Selezione veloce input speed (n₁) = 1400 min⁻¹

Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [kW]	Output torque M _{2M} [Nm]	Service factor f.s.	Nominal power P _{1R} [kW]	Nominal torque M _{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft 	Ratios code
							B	C	D	E	Q	R	T	U		
398	3.52	3	69	1.2	3.5	80	B								2821	-
320	4.37	3	86	1.0	3.1	90	B								2818	
252	5.55	3	109	0.9	2.8	100	B								2813	
220	6.36	2.2	92	1.0	2.3	95	B								1921	
191	7.33	2.2	106	1.1	2.5	120	B								2812	

C Ratio
Rapporto
Untersetzung
Relación

Transmitted torque
Momento torcente trasmesso
Mögliche Drehmomente
Par transmitido

Service factor
Fattore di servizio
Betriebsfaktor
Factor de servicio

Output shaft diam.
Diam. albero uscita
Durchmesser abtriebswelle
Diámetro eje de salida

Notes
Note
Anmerkungen
Notas

fs

Type of load and starts per hour Tipo di carico e avviamenti per ora		Oper. hours per day Ore di funz. giorn.		
		3 h	10 h	24 h
Continuous or intermittent appl. with start / hour Applicazione cont. o interm. con n.ro operazioni/ora	Uniform / Uniforme	0.8	1	1.25
	Moderate / Moderato	1	1.25	1.5
	Heavy / Forte	1.25	1.5	1.75
Intermittent application with start / hour Applicazione intermittente con n.ro operazioni/ora	Uniform / Uniforme	1	1.25	1.5
	Moderate / Moderato	1.25	1.5	1.75
	Heavy / Forte	1.5	1.75	2.15

D Motor flange available
Flange disponibili
Erhältliche Motorflansche
Bridas disponibles

B)	Mounting with reduction ring Montaggio con boccia di riduzione Reduzierhülsen Montaje con casquillo de reducción	
C)	Motor flangeholes position/terminal box position Posizione fori flangia/basetta motore Bohrungsposition am Motorflansch/-sockel Posición agujeros brida / base motor	
B)	Available without reduction bushes Disponibile anche senza boccia Auch ohne Reduzierbuchse verfügbar Disponible también sin casquillo	



A	Select required torque (according to service factor)	Seleziona la coppia desiderata (comprensiva del fattore di servizio)	Max. Drehmoment in Bezug zum Betriebsfaktor	Seleccionar el par deseado (incluyendo el factor de servicio)
B	Select output speed	Seleziona la velocità in uscita	Ausgewählte Abtriebsdrehzahl	Seleccionar la velocidad de salida
C	On the same line of selected geared motor, you can find the gear ratio	Sulla riga corrispondente alla motorizzazione prescelta si può rilevare il rapporto di riduzione	Auf der gleichen Linie wie die ausgewählte Motorleistung steht auch die Getriebeuntersetzung	En la línea correspondiente al motor preseleccionado es posible encontrar la relación de reducción
D	Select motor flange available (if requested)	Scegli la flangia disponibile (se richiesta)	Erhältliche Motorflansche (auf Anfrage)	Seleccionar la brida disponible (sobre pedido)



QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges		Available B14 motor flanges			Output Shaft 	Ratios code 
							B	C	O	P	Q		
							63	71*	56	63	71		
407	3.44	0.55**	12	2.0	1.11	25			C	C		2821	01
327	4.28	0.55**	15	1.9	1.07	30			C	C		2818	02
257	5.45	0.55**	20	2.0	1.12	40			C	C		2815	03
225	6.23	0.55**	22	2.0	1.10	45			C	C		1921	04
194	7.20	0.55**	26	1.9	1.06	50			C	C		2812	05
181	7.74	0.55**	28	1.8	0.99	50			C	C		1918	06
142	9.85	0.55**	35	1.7	0.93	60			C	C		1915	07
123	11.42	0.55**	41	1.5	0.80	60			C	C		1715	08
107	13.03	0.55**	47	1.3	0.70	60			C	C		1912	09
93	15.10	0.37	37	1.6	0.61	60			C	C		1712	10
86	16.20	0.37	39	1.5	0.57	60			C	C		1910	11
75	18.78	0.37	46	1.3	0.49	60			C	C		1710	12
66	21.15	0.37	51	1.2	0.43	60			C	C		1312	13
64	21.84	0.37	53	1.1	0.42	60			C	C		1015	14
53	26.31	0.37	64	0.9	0.35	60			C	C		1310	15
48.5	28.88	0.37	70	1.0	0.37	70			C	C		1012	16
39	35.91	0.37	87	0.8	0.30	70			C	C		1010	17
37.1	37.69	0.25	62	1.1	0.28	70			C	C		912	18
29.9	46.87	0.25	77	0.9	0.23	70			C	C		910	19
28.1	49.76	0.25	81	0.9	0.21	70			C	C		712	20
22.6	61.89	0.18	73	1.0	0.17	70			C	C		710	21

** Concerning a reduced dimensions electric motor.
Riferito a motore con grandezza ridotta

* Nel montaggio P la flangia può superare l'ingombro massimo dei piedi. Eventualmente utilizzare la flangia B14
* In the P mounting the B5 motor flange can exceed the foot maximum dimensions. Possibly use the flange B14

Motor Flanges Available
Flangia Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **202A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **202A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **202A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **202A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

LUBRICATION 202A Oil Quantity 0.15 Lt.

AGIP Telium VSF 320

SHELL Omala S4 WE 320

For all details on lubrication and plugs check our website

tab. 1

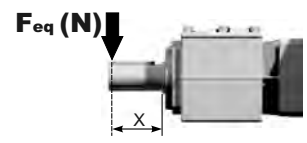
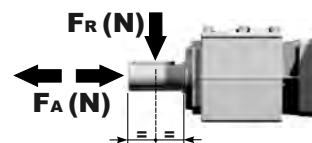
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{35.7}{X+20.7}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	140	700	140	246	1320	70	340	1700
250	151	756	120	270	1350	40	380	1900
200	185	924	85	300	1500	15	-	-

Input shaft

Albero in entrata



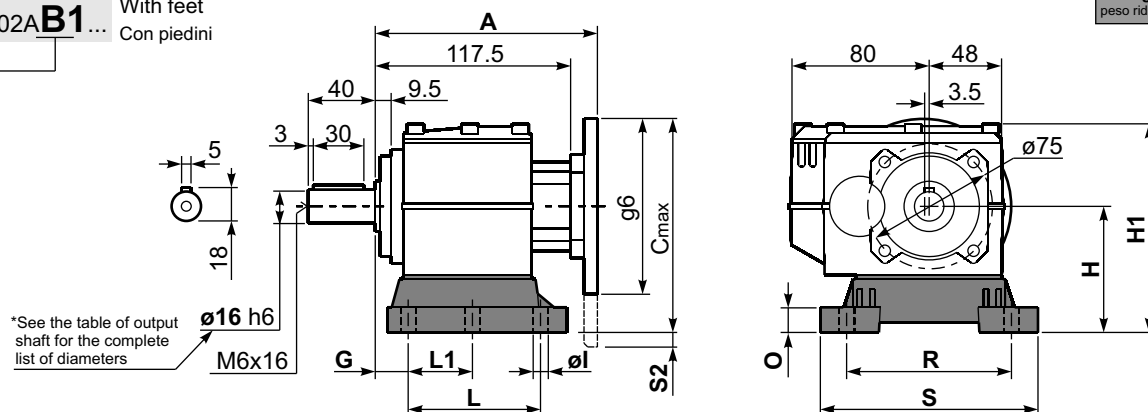
n_1	FA	FR
1400	140	700
900	160	800
500	190	950

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e grandezza specifica nel sito web per la documentazione completa.

P202A **B1**... With feet
Con piedini

Gearbox weight peso riduttore	With flange	3.3 kg
	With feet	3.7 Kg



*See the table of output shaft for the complete list of diameters

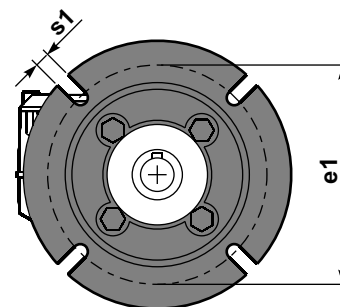
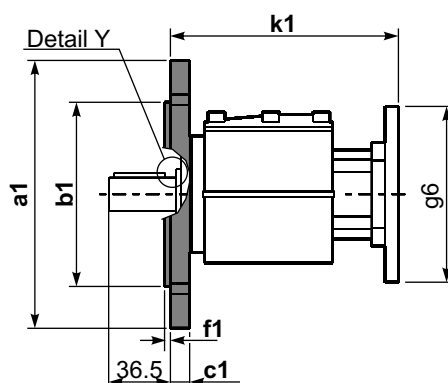
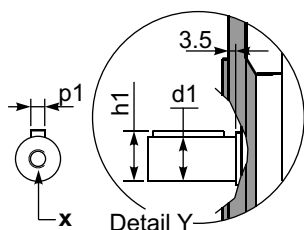
Feet Code	Market reference	G	H	R	L	L1	S	H1	O	øI	S2 only with motor flange	B5 max. Flange	kit code
B1	112	18	85	110	87	50	130	125	15	9	5 71B5		KC30.9.022
B2	212/3	18	100	130	107.5	60	155	145	5	11			KC30.9.023LM
S1	17-32	18	75	110	110	50	130	115.5	15	9		63B5	KC30.9.024
L3	03	12.5	65	91	60	-	105	149	5	9	11.5 71B5		KC30.9.026LM
L4	04	13	80	105	76	-	132	165	5	9			KC30.9.027LM

Other feet are available,
see our web site
Sono disponibili altri piedini,
consulta il nostro sito web

A see on page bottom

 Most popular types
Tipi più diffusi

P202A-F...	Output flanges flange di uscita
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***Available output shaft** / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	Ø 16x40	5	18	M6x16
On request A richiesta	Ø 14x30	5	16	M6x16
	Ø 20x40	6	22.5	M8x19
	Ø 25x50	8	28	M8x19

Available output flanges / flange di uscita

a1 ø	b1	c1	e1	f1	s1	kit code
120	80	11.5	100	3	9*	KC30.9.010
140	95	11.5	115	3	9	KC30.9.011
160	110	11.5	130	3.5	9	KC30.9.012
200	130	11.5	165	3.5	11	KC40.9.013

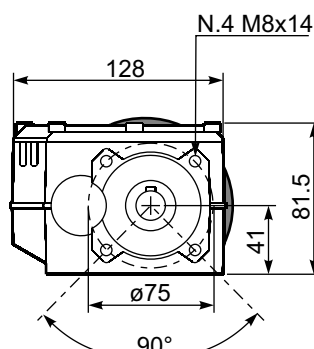
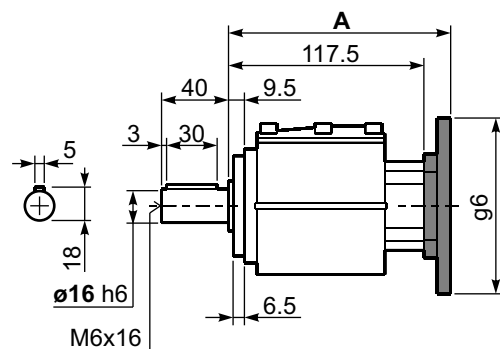


With flange an
feet only on
request.
Ask for
compatibility

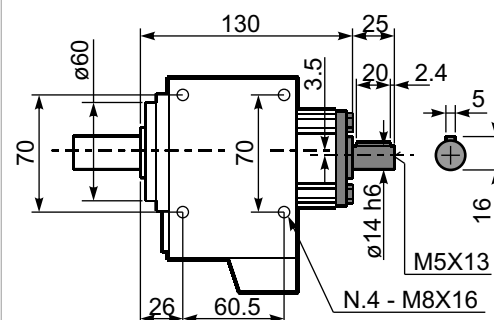
 * Holes position
Posizione fori

With flange and feet only on request. Ask for compatibility

P202A-N...	Basic gearbox Riduttore base
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R202A-N... Input Shaft
Albero in entrata






B5 Motor Flanges	A	C _{max}	g6	k1	kit code
63 B5	133.2	170	140	136.7	K050.4.041
71 B5	131.2	180	160	134.7	K050.4.042

B14 Motor Flanges	A	C_{max}	g6	k1	kit code
56 B14	132.7	139	80	136.2	KC40.4.049
63 B14	135.2	146	90	138.7	K050.4.047
71 B14	132.7	152.5	105	136.2	K050.4.045



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft 	Output Shaft 	Ratios code 
							B	C	D	E	Q	R	T			
							63	71*	80*	90*	71	80	90			
407	3.44	1.5	34	1.0	1.5	35	B				C	C		2821		01
327	4.28	1.5	42	1.0	1.4	40	B				C	C		2818		02
257	5.45	1.5	54	1.0	1.4	52	B				C	C		2815		03
225	6.23	1.5	61	1.1	1.7	70	B				C	C		1921		04
194	7.20	1.5	71	1.0	1.5	70	B				C	C		2812		05
181	7.74	1.5	76	1.1	1.6	80	B				C	C		1918	standard ø20	06
142	9.85	1.5	97	1.0	1.5	95	B				C	C		1915		07
123	11.42	1.5	112	1.0	1.5	115	B				C	C		1715		08
107	13.03	1.1	94	1.2	1.3	114	B				C	C		1912	ø14	09
93	15.10	1.1	109	1.0	1.2	114	B				C	C		1712	ø16	10
86	16.20	0.75	80	1.3	1.0	107	B				C	C		1910	ø19	11
75	18.78	0.75	92	1.2	0.87	107	B				C	C		1710	ø20	12
66	21.15	0.75	104	1.1	0.82	114	B				C	C		1312	ø24	13
64	21.84	0.75	107	1.1	0.83	119	B				C	C		1015	ø25	14
53	26.31	0.55	95	1.1	0.62	107	B				C	C		1310	ø28	15
48.5	28.88	0.55	104	1.1	0.60	114	B				C	C		1012	On request	16
39	35.91	0.37	87	1.2	0.46	107	B				C	C		1010		17
37.1	37.69	0.37	91	1.1	0.41	102	B				C	C		912		18
29.9	46.87	0.37	114	0.9	0.35	107	B				C	C		910		19
28.1	49.76	0.25	81	1.2	0.31	101	B				C	C		712		20
22.6	61.89	0.25	101	1.1	0.26	107	B				C	C		710		21

The dynamic efficiency is **0.96** for all ratios

*Nel montaggio P la flangia può superare l'ingombro massimo dei piedi. Eventualmente utilizzare la flangia B14
* In the P mounting the B5 motor flange can exceed the foot maximum dimensions. Possibly use the flange B14

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **302A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **302A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **302A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **302A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

LUBRICATION 302A Oil Quantity 0.15 Lt.

AGIP Telium VSF 320

SHELL Omala S4 WE 320

For all details on lubrication and plugs check our website

tab. 1

Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{35.7}{X+20.7}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	140	700	140	246	1320	70	340	1700
250	151	756	120	270	1350	40	380	1900
200	185	924	85	300	1500	15	-	-

Input shaft

Albero in entrata



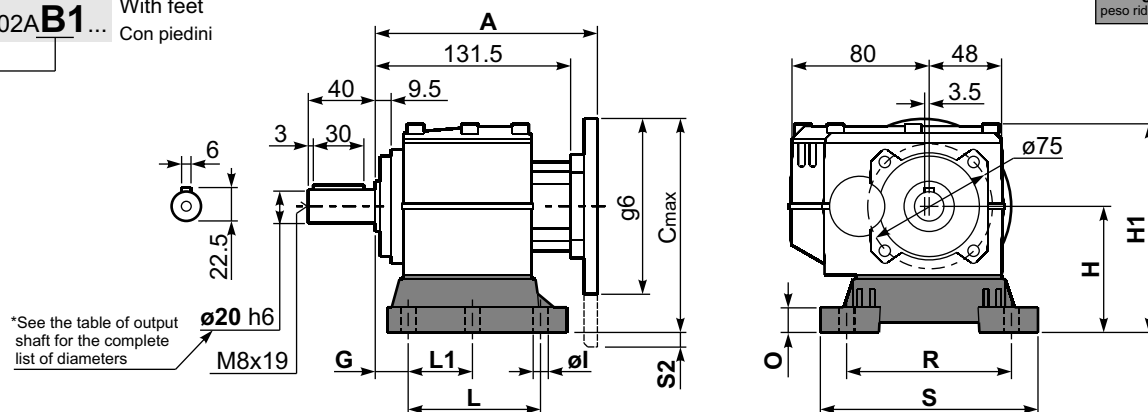
n_1	FA	FR
1400	226	1130
900	264	1320
500	322	1610

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

Gearbox weight With flange **3.5 kg**
peso riduttore With feet **4.0 Kg**

P302A-B1... With feet
Con piedini



*See the table of output shaft for the complete list of diameters

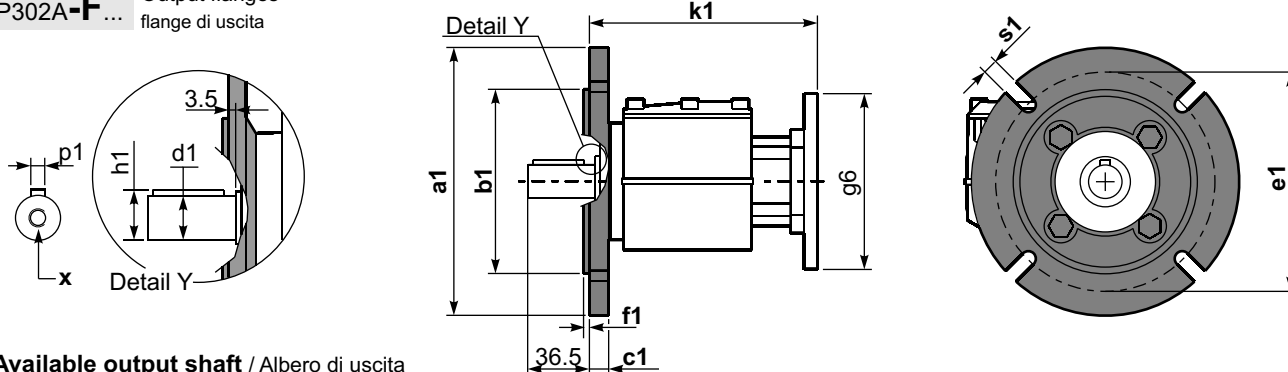
Feet Code	Market reference	G	H	R	L	L1	S	H1	O	1	S2 only with motor flange	B5 max. Flange	kit code
B1	112	18	85	110	87	50	130	125	15	9	15 80/90B5		KC30.9.022
B2	212/3	18	100	130	107.5	60	155	145	5	11	3.5 80/90B5		KC30.9.023LM
S1	17-32	18	75	110	110	50	130	115.5	15	9	5 71B5	71B5	KC30.9.024
S2	27	25	90	110	130	-	130	135	5	9			KC30.9.025LM
L3	03	12.5	65	91	60	-	105	149	5	9	31.5 80/90B5		KC30.9.026LM
L4	04	13	80	105	76	-	132	165	5	9	16.5 80/90B5		KC30.9.027LM

Other feet are available, see our web site
Sono disponibili altri piedini, consulta il nostro sito web

A see on page bottom

Most popular types
Tipi più diffusi

P302A-F... Output flanges
flange di uscita



*Available output shaft / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	20x40	6	22.5	M8x19
On request A richiesta	14x30	5	16	M6x16
	16x40	5	18	M6x16
	19x40	6	21.5	M6x16
	24x50	8	27	M8x19
	25x50	8	28	M8x19
	28x50	8	31	M8x19

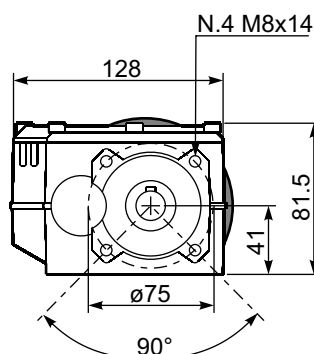
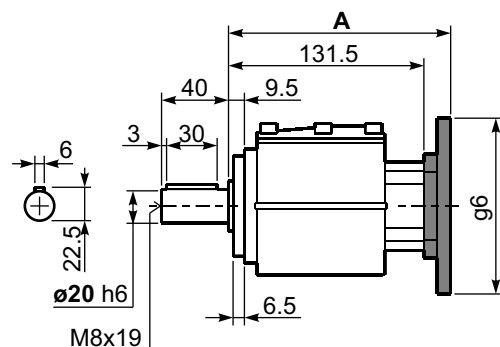
Available output flanges / flange di uscita

a1 1	b1	c1	e1	f1	s1	kit code
120	80	11.5	100	3	9*	KC30.9.010
140	95	11.5	115	3	9	KC30.9.011
160	110	11.5	130	3.5	9	KC30.9.012
200	130	11.5	165	3.5	11	KC40.9.013

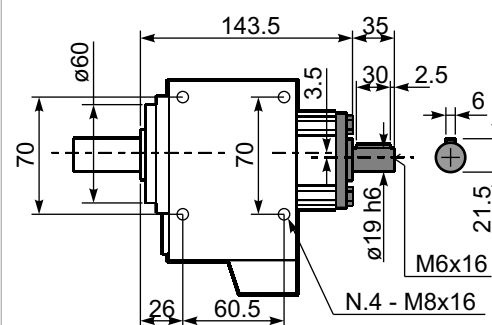
* Holes position
Posizione fori

With flange and feet only on request.
Ask for compatibility

P302A-N... Basic gearbox
Riduttore base



R302A-N... Input Shaft
Albero in entrata



B5 Motor Flanges	A	C _{max}	g6	k1	kit code
63 B5	151.7	170	140	155.2	K063.4.041
71 B5	152.2	180	160	155.7	K063.4.042
80/90 B5	151.2	200	200	154.7	K063.4.043

B14 Motor Flanges	A	C _{max}	g6	k1	kit code
71 B14	149.7	152.5	105	153.2	K063.4.047
80 B14	150.7	160	120	154.2	K063.4.046
90 B14	151.7	170	140	155.2	K063.4.041



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft		
							B	C	D	E	Q	R	T	U			Ratios code
							63	71	80*	90*	71	80	90	100 112			
398	3.52	3	69	1.2	3.5	80	B				C	C			2821		01
320	4.37	3	86	1.0	3.1	90	B				C	C			2818		02
252	5.55	3	109	0.9	2.8	100	B				C	C			2813		03
220	6.36	2.2	92	1.0	2.3	95	B				C	C			1921		04
191	7.33	2.2	106	1.1	2.5	120	B				C	C			2812		05
177	7.89	2.2	114	1.1	2.3	120	B				C	C			1918		06
139	10.06	2.2	145	1.0	2.3	150	B				C	C			1913		07
120	11.66	1.5	114	1.5	2.3	174	B				C	C			1713	standard	08
106	13.26	1.5	130	1.2	1.8	160	B				C	C			1912	ø25	09
102	13.68	1.5	134	1.1	1.6	144	B				C	C			1513		10
91	15.37	1.5	151	1.1	1.6	160	B				C	C			1712	ø14	11
86	16.20	1.5	159	0.9	1.3	138	B				C	C			1910	ø16	12
78	18.04	1.5	177	0.9	1.4	160	B				C	C			1512	ø19	13
74	18.80	1.1	135	1.0	1.1	138	B				C	C			1710	ø20	14
65	21.54	1.1	155	1.0	1.1	160	B				C	C			1312	ø24	15
63	22.29	1.1	161	1.0	1.1	167	B				C	C			1013	On request	16
53	26.30	0.75	129	1.1	0.80	138	B				C	C			1310		17
47.6	29.40	0.75	144	1.1	0.83	160	B				C	C			1012		18
39	35.91	0.55	129	1.1	0.59	138	B				C	C			1010		19
36.5	38.37	0.55	138	1.2	0.64	160	B				C	C			912		20
29.9	46.86	0.55	169	0.8	0.45	138	B				C	C			910		21
27.6	50.67	0.37	123	1.1	0.40	132	B				C	C			712		22
22.6	61.88	0.37	150	0.9	0.34	138	B				C	C			710		23

The dynamic efficiency is **0.96** for all ratios

*Nel montaggio P la flangia può superare l'ingombro massimo dei piedi. Eventualmente utilizzare la flangia B14

* In the P mounting the B5 motor flange can exceed the foot maximum dimensions. Possibly use the flange B14

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **402A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **402A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **402A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **402A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
B3	B6	B7	B8	V5	V6	V8
0.25 LT	0.30 LT	0.40 LT	0.40 LT	0.40 LT	0.50 LT	Ask
AGIP Telium VSF 320			SHELL Omala S4 WE 320			

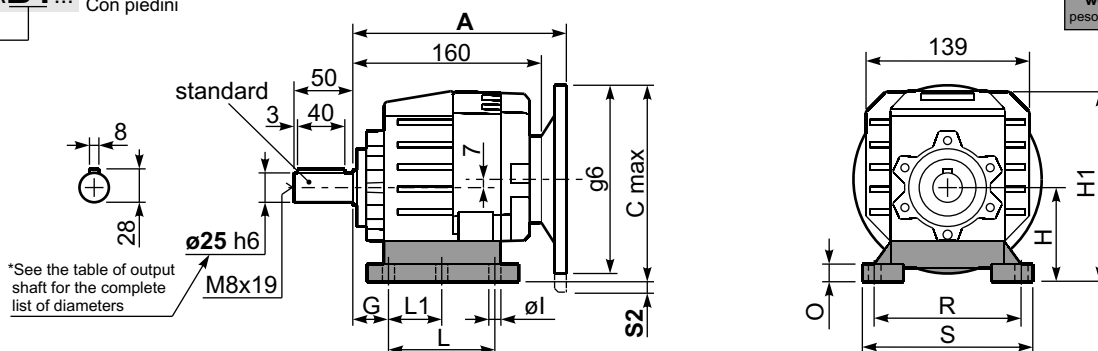
For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{46}{X+21}$					
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	310	1550	140	406	2030	70	540	2700
250	330	1650	120	448	2240	40	600	3000
200	360	1800	85	480	2400	15	600	3000
Input shaft Albero in entrata								
n_1	FA	FR						
1400	240	1200						
900	280	1400						
500	340	1700						

tab. 2

▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P402A-B1... With feet
Con piediniGearbox weight
peso riduttore With flange **5.7 kg**
With feet **5.9 kg**

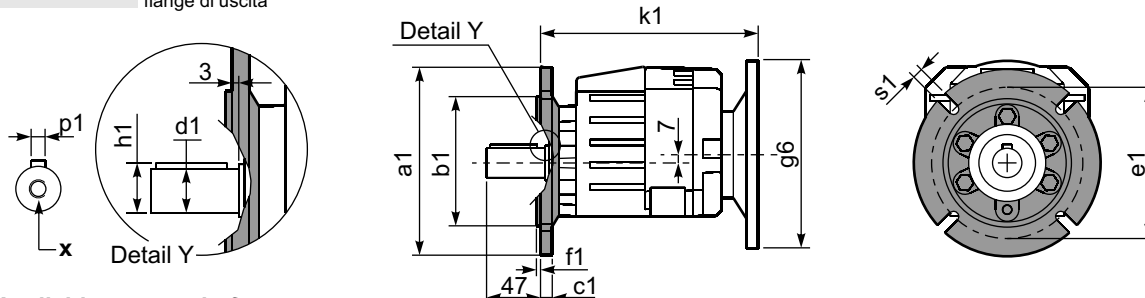
Feet / piedini

Feet Code	Market reference	G	H	R	L	L1	S	H1	O	øl	S2 only with motor flange	B5 max. Flange	kit code
B1	112	18	85	110	87	50	130	167	15	-	8 80/90B5	-	KC35.9.021
B2	212/3	18	100	130	107.5	60	155	182	17	11	-	-	KC40.9.025
S1	17	18	75	110	90+110	50	145	155	15	9	18 80/90B5	-	KC40.9.022
S2	27	25	90	110	130	-	145	172	20	9	3 80/90B5	-	KC40.9.024
H2	022-223	25	100	110	115	-	145	182	20	9	-	-	KC40.9.026
M1	42/3	25	80	110+120	85	-	145	162	15	9	13 80/90B5	-	KC40.9.023
L4	04	13	80	105	76	-	132	162	5	10	13 80/90B5	-	KC35.9.023LM
L5	05	16	100	125	90	-	150	182	6	12	-	-	KC40.9.027LM

Other feet are available, see our web site
Sono disponibili altri piedini, consulta il nostro sito web

A see on page bottom

Most popular types
Tipi più diffusi

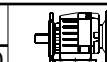
P402A-F... Output flanges
flange di uscita

*Available output shaft / Albero di uscita

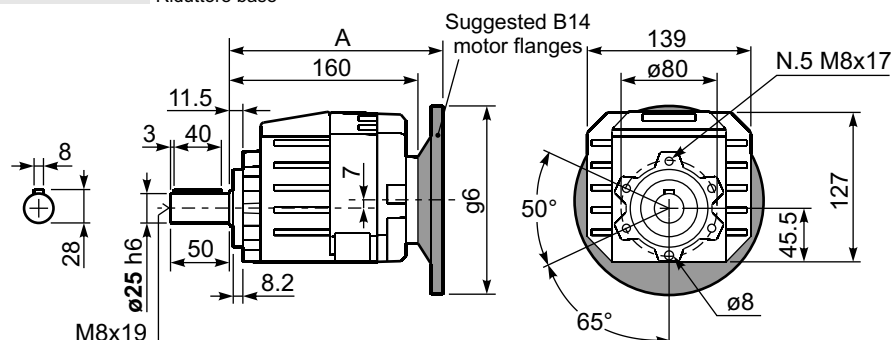
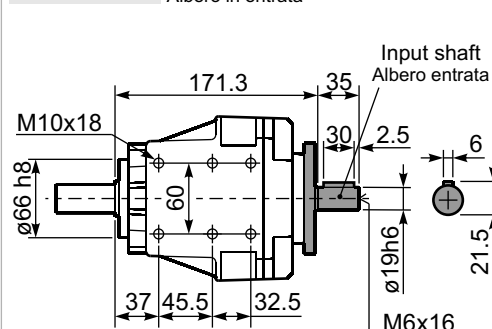
	Shaft - d1	p1	h1	x
Standard	ø 25x50	8	28	M8x19
On request A richiesta	ø 14x40	5	16	M5x13
	ø 16x40	5	18	M6x16
	ø 19x40	6	21.5	M6x16
	ø 20x40	6	22.5	M8x19
	ø 24x50	8	27	M8x19

Available output flanges / flange di uscita

a1 ø	b1	c1	e1	f1	s1	kit code
120	80	10	100	3	9	KC40.9.010
140	95	10	115	3	9	KC40.9.011
160	110	10	130	3	9	KC40.9.012
200	130	11	165	3.5	11	KC40.9.013
250	180	11.5	215	3.5	14	KC40.9.014



With flange and feet only on request.
Ask for compatibility

P402A-N... Basic gearbox
Riduttore baseR402A-N... Input Shaft
Albero in entrata



B5 Motor Flanges	A	C _{max}	g6	k1	kit code
63 B5	180.5	162	140	183.5	K063.4.041
71 B5	178.5	170	160	181.5	K063.4.042
80/90 B5	180.5	190	200	183.5	K063.4.043

B14 Motor Flanges	A	C _{max}	g6	k1	kit code
71 B14	178.5	142.5	105	181.5	K063.4.047
80 B14	179.5	150	120	182.5	K063.4.046
90 B14	180.5	160	140	183.5	K063.4.041
100/112 B14	196.5	170	160	199.5	KC40.4.041



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges		Available B14 motor flanges			Output Shaft 	Ratios code 
							B	C	O	P	Q		
							63	71	56	63	71		
36.5	38.40	0.37	90	1.9	0.72	175			C	C		171713	01
32.0	43.69	0.37	103	1.5	0.54	149			C	C		191712	02
27.6	50.64	0.37	119	1.3	0.50	160			C	C		171712	03
26.2	53.36	0.37	125	1.1	0.41	138			C	C		191710	04
22.9	61.22	0.37	144	1.1	0.41	160			C	C		191312	05
22.6	61.90	0.37	146	0.9	0.35	138			C	C		171710	06
19.7	70.95	0.37	167	1.0	0.36	160			C	C		131712	07
19.1	73.43	0.37	172	1.0	0.38	175			C	C		101713	08
18.8	74.77	0.25	118	1.2	0.29	138			C	C		191310	09
16.1	86.66	0.25	138	1.0	0.25	138			C	C		131710	10
14.5	96.85	0.25	154	1.0	0.26	160			C	C		101712	11
13.6	102.89	0.25	163	1.1	0.28	180			C	C		101313	12
11.1	126.40	0.25	200	0.8	0.20	160			C	C		91712	13
10.3	135.69	0.25	215	0.7	0.19	160			C	C		101312	14
8.5	165.70	0.12	126	1.1	0.13	138			C	C		101310	15
7.9	177.09	0.12	135	1.2	0.14	160			C	C		91312	16
6.5	216.30	0.12	164	0.8	0.10	138			C	C		91310	17

The dynamic efficiency is **0.93** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione








C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **403A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **403A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

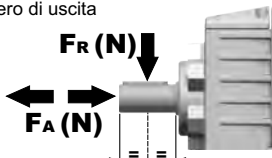
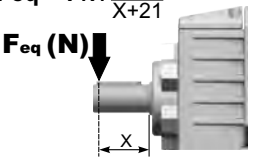
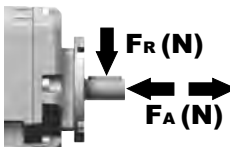
D Das Getriebe **403A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **403A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
0.30 LT	0.35 LT	0.45 LT	0.45 LT	0.45 LT	0.55 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

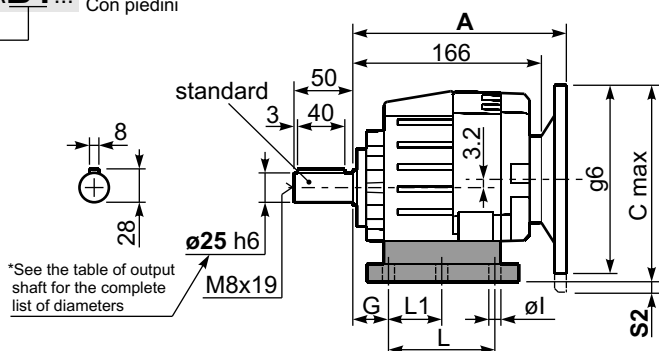
For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{46}{X+21}$					
								
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	310	1550	140	406	2030	70	540	2700
250	330	1650	120	448	2240	40	600	3000
200	360	1800	85	480	2400	15	600	3000
Input shaft Albero in entrata								
n_1	FA	FR						
1400	140	700						
900	160	800						
500	190	950						

tab. 2

▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P403A-B1... With feet
Con piediniGearbox weight
peso riduttore With flange 6.1 kg
With feet 6.3 kg

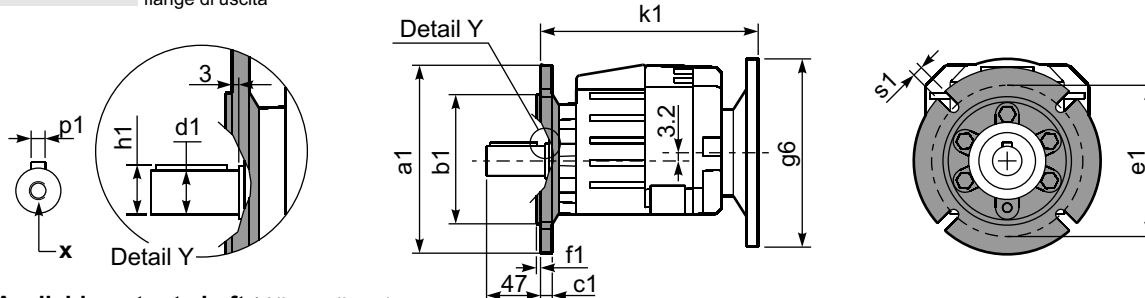
Feet / piedini

Feet Code	Market reference	G	H	R	L	L1	S	H1	O	Øl	S2 only with motor flange	B5 max. Flange	kit code
B1	112	18	85	110	87	50	130	167	15	-	8 80/90B5	-	KC35.9.021
B2	212/3	18	100	130	107.5	60	155	182	17	11	-	-	KC40.9.025
S1	17	18	75	110	90+110	50	145	155	15	9	18 80/90B5	-	KC40.9.022
S2	27	25	90	110	130	-	145	172	20	9	3 80/90B5	-	KC40.9.024
H2	022-223	25	100	110	115	-	145	182	20	9	-	-	KC40.9.026
M1	42/3	25	80	110+120	85	-	145	162	15	9	13 80/90B5	-	KC40.9.023
L4	04	13	80	105	76	-	132	162	5	10	13 80/90B5	-	KC35.9.023LM
L5	05	16	100	125	90	-	150	182	6	12	-	-	KC40.9.027LM

Other feet are available, see our web site
Sono disponibili altri piedini, consulta il nostro sito web

A see on page bottom

Most popular types
Tipi più diffusi

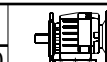
P403A-F... Output flanges
flange di uscita

*Available output shaft / Albero di uscita

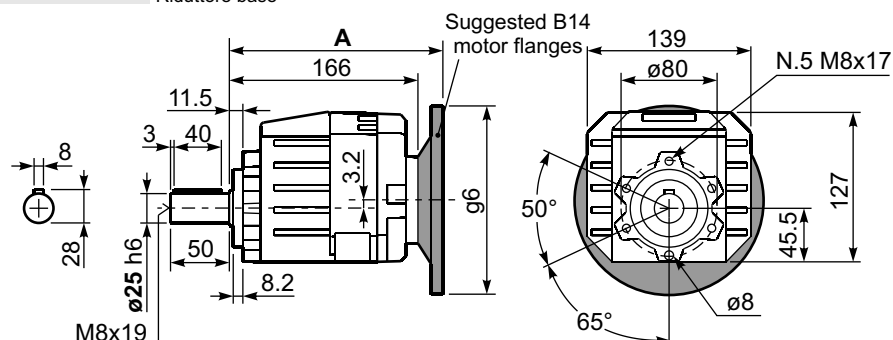
	Shaft - d1	p1	h1	x
Standard	Ø 25x50	8	28	M8x19
On request A richiesta	Ø 14x40	5	16	M5x13
	Ø 16x40	5	18	M6x16
	Ø 19x40	6	21.5	M6x16
	Ø 20x40	6	22.5	M8x19
	Ø 24x50	8	27	M8x19

Available output flanges / flange di uscita

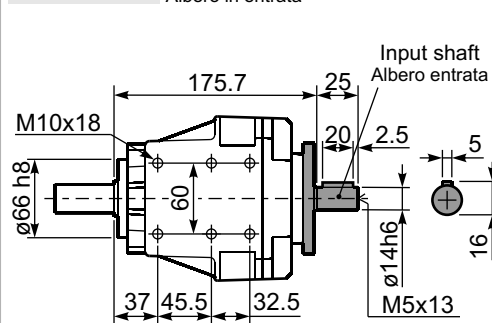
a1 Ø	b1	c1	e1	f1	s1	kit code
120	80	10	100	3	9	KC40.9.010
140	95	10	115	3	9	KC40.9.011
160	110	10	130	3	9	KC40.9.012
200	130	11	165	3.5	11	KC40.9.013
250	180	11.5	215	3.5	14	KC40.9.014



With flange and feet only on request.
Ask for compatibility

P403A-N... Basic gearbox
Riduttore base

B5 Motor Flanges	A	C _{max}	g6	k1	kit code
63 B5	182.5	201.2	140	185.5	K050.4.041
71 B5	180.5	211.2	160	183.5	K050.4.042




R403A-N... Input Shaft
Albero in entrata

B14 Motor Flanges	A	C _{max}	g6	k1	kit code
56 B14	186.5	170.2	80	189.5	KC40.4.049
63 B14	181.5	176.2	90	184.5	K050.4.047
71 B14	182	183.7	105	185	K050.4.045



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft 	Output Shaft 	Ratios code 
							C	D	E	F	R	T	U	V			
							71	80	90	100* 112	80	90	100 112	132			
388	3.61	4	95	1.6	6.3	150	B								3018		01
331	4.23	4	111	1.5	6.1	170	B								3016		02
279	5.01	4	131	1.5	6.1	200	B								3014		03
231	6.07	4	159	1.6	6.3	250	B								3012		04
206	6.81	4	178	1.6	6.2	277	B								2018		05
176	7.96	4	209	1.4	5.8	300	B								2016	standard ø30	06
148	9.45	4	248	1.2	4.9	304	B								2014		07
122	11.43	4	299	1.0	4.0	300	B								2012		08
99	14.21	3	279	0.9	2.8	265	B								2010	ø24	09
84	16.62	3	327	0.9	2.8	304	B								1314		10
70	20.10	2.2	290	1.0	2.3	300	B								1312		11
56	24.98	1.85	303	0.9	1.6	265	B								1310	ø28	12
47.6	29.41	1.5	289	1.1	1.6	304	B								814		13
39.3	35.58	1.5	349	0.9	1.3	300	B								812		14
34.6	40.50	1.1	292	1.0	1.1	290	B								614	On request	15
31.7	44.22	1.1	319	0.8	0.92	265	B								810		16
28.6	49.00	0.75	241	1.2	0.93	300	B								612		17
23.0	60.90	0.75	299	0.9	0.66	265	B								610		18

The dynamic efficiency is **0.96** for all ratios

*Nel montaggio P la flangia può superare l'ingombro massimo dei piedi. Eventualmente utilizzare la flangia B14

* In the P mounting the B5 motor flange can exceed the foot maximum dimensions. Possibly use the flange B14

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione








C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **452A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

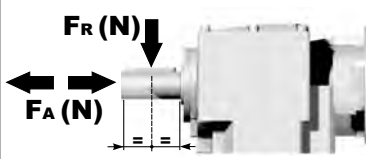
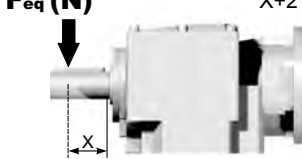

I Il riduttore **452A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **452A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **452A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
0.31 LT	0.31 LT	0.31 LT	0.31 LT	0.31 LT	0.31 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

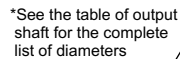
For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS		
Output shaft / Albero di uscita		
		$F_{eq} = F_R \cdot \frac{51}{X+21}$
$F_R(N)$	$F_A(N)$	
$F_{eq}(N)$		
X		
n_2	FA	FR
300	415	2070
250	430	2160
200	470	2340
n_2	FA	FR
140	540	2700
120	560	2790
85	630	3150
n_2	FA	FR
70	700	3510
40	810	4050
15	900	4500
Input shaft / Albero in entrata		
		
$F_R(N)$	$F_A(N)$	
n_1	FA	FR
1400	400	2000
900	440	2200
500	440	2200


tab. 2

▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.


Gearbox weight peso riduttore	With flange	8.7 kg
	With feet	8.9 Kg



Feet Code	Market reference	G	H	R	L	S	H1	O	Øl	S2 only with motor flange	B5 max. Flange	kit code
B3	312/3	18	110	160	130	190	162	20	11	15 100/112B5		KC50.9.024
B4	30/35	20	130	180	149.5	216	182	18	14			KC60.9.024
S4	47-57	30	115	135	165	170	167	24	13.5		80/90B5	KC50.9.022
H3	023-233	30	130	135	135	185	231.5	25	14			KC50.9.025
M2	52/3	30	110	135+150	100	190	162	18	11	15 100/112B5		KC50.9.023
L6	06	19	125	160	106	205	177	8	14			KC50.9.026LM
E2	2202/3	13	100	135	192	164	152	6	14		71B5	KC50.9.027LM
P4	142	35	142	130	145	160	194	8	14		80/90B5	KC50.9.028LM

 Most popular types
Tipi più diffusi

	Shaft - d1	p1	h1	x
Standard	ø 30x60	8	33	M10x22
On request A richiesta	ø 24x50	8	27	M8x19
	ø 25x50	8	28	M8x19
	ø 28x60	8	31	M8x19
	ø 35x60	10	38	M10x22

a1 ø	b1	c1	e1	f1	s1	kit code	 With flange and feet only on request. Ask for compatibility
160	110	14	130	3.5	9	KC50.9.011	
200	130	13	165	3.5	11	KC50.9.012	
250	180	15.5	215	4	14	KC50.9.013	




B5 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
71 B5	195.7	222	160	198.2	KC023.4.041	204.2
80/90 B5	197.7	242	200	200.2	KC023.4.042	206.2
100/112 B5	203.7	267	250	206.2	KC023.4.043	212.2

B14 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
80 B14	195.7	202	120	198.2	KC085.4.046	204.2
90 B14	195.7	212	140	198.2	KC085.4.045	204.2
100/112 B14	206.7	222	160	209.2	KC085.4.047	215.2
132 B14	225.2	242	200	227.7	KC50.4.041	233.7



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft 	Output Shaft 	Ratios code 
							C	D	E	F	R	T	U	V			
							71	80	90	100* 112	80	90	100 112	132			
388	3.61	5.5	130	1.2	6.3	150	B								3018		01
331	4.23	5.5	152	1.1	6.1	170	B								3016		02
279	5.01	5.5	180	1.1	6.1	200	B								3014		03
231	6.07	5.5	219	1.1	6.3	250	B								3012		04
206	6.81	5.5	245	1.2	6.7	300	B								2018		05
176	7.96	5.5	287	1.2	6.3	330	B								2016		06
148	9.45	5.5	340	1.0	5.7	354	B								2014	standard	07
122	11.43	4	299	1.1	4.4	326	B								2012	ø30	08
99	14.21	3	279	0.9	2.7	250	B								2010		09
84	16.62	3	327	1.1	3.3	354	B								1314	ø24	10
70	20.10	2.2	290	1.1	2.5	326	B								1312	ø25	11
57	24.61	2.2	354	0.9	2.0	326	B								1112	ø28	12
56	24.98	1.5	245	1.0	1.5	250	B								1310	ø35	13
47.6	29.41	1.5	289	1.2	1.8	354	B								814	On request	14
39.3	35.58	1.5	349	0.9	1.4	326	B								812		15
34.6	40.50	1.1	292	1.0	1.1	295	B								614		16
31.7	44.23	1.1	319	0.8	0.86	250	B								810		17
28.6	49.00	1.1	353	0.9	1.0	326	B								612		18
23.0	60.90	0.75	299	0.8	0.63	250	B								610		19
																	20

The dynamic efficiency is **0.96** for all ratios

*Nel montaggio P la flangia può superare l'ingombro massimo dei piedi. Eventualmente utilizzare la flangia B14

* In the P mounting the B5 motor flange can exceed the foot maximum dimensions. Possibly use the flange B14

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione








C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **502A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **502A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **502A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **502A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
0.45 LT	0.55 LT	1.00 LT	1.10 LT	1.10 LT	1.15 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website

Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

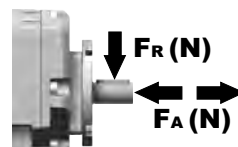


$$F_{eq} = F_R \cdot \frac{54}{X+24}$$

n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	460	2300	140	600	3000	70	780	3900
250	480	2400	120	620	3100	40	900	4500
200	520	2600	85	700	3500	15	1000	5000

Input shaft

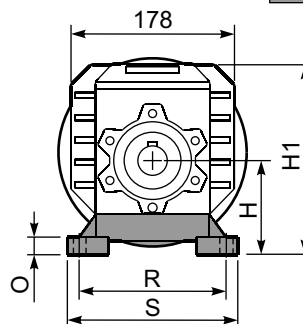
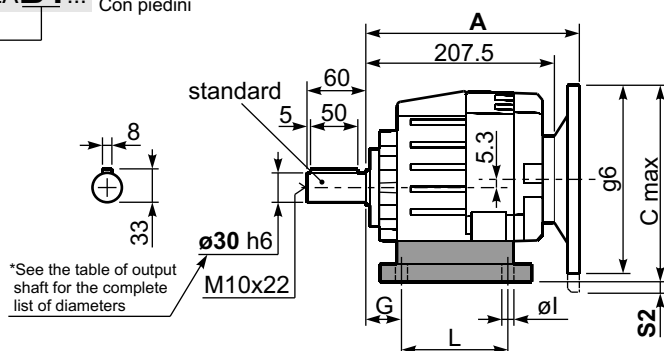
Albero in entrata



n_1	FA	FR
1400	400	2000
900	440	2200
500	440	2200

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P502A-B1... With feet
Con piediniGearbox weight
peso riduttore With flange 11.7 kg
With feet 11.9 Kg

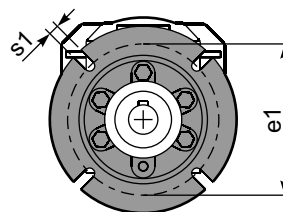
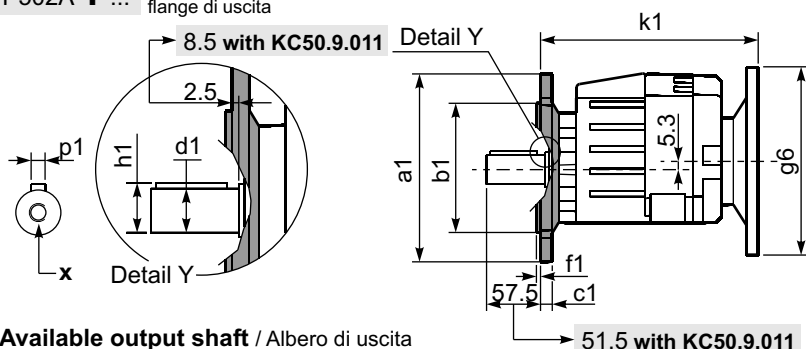
Feet / piedini

Feet Code	Market reference	G	H	R	L	S	H1	O	Øl	S2 only with motor flange	B5 max. Flange	kit code
B3	312/3	18	110	160	130	190	211.5	20	11	10 100/112B5		KC50.9.024
B4	30/35	20	130	180	149.5	216	231.5	18	14			KC60.9.024
S4	47-57	30	115	135	165	170	216.5	24	13.5	5 100/112B5		KC50.9.022
H3	023-233	30	130	135	135	185	231.5	25	14			KC50.9.025
M2	52/3	30	110	135-150	100	190	226.5	18	11			KC50.9.023
L6	06	19	125	160	106	205	201.5	8	14		80/90B5	KC50.9.026LM
E2	2202/3	13	100	135	192	164	201.5	6	14	10 100/112B5		KC50.9.027LM
P4	142	35	142	130	145	160	243.5	8	14			KC50.9.028LM

Other feet are available, see our web site
Sono disponibili altri piedini, consulta il nostro sito web

A see on page bottom

Most popular types
Tipi più diffusi

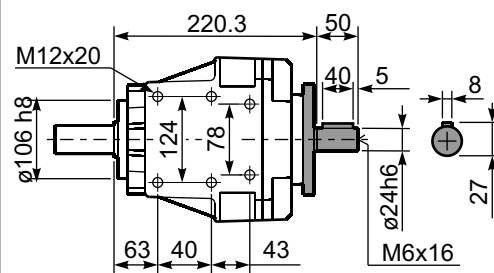
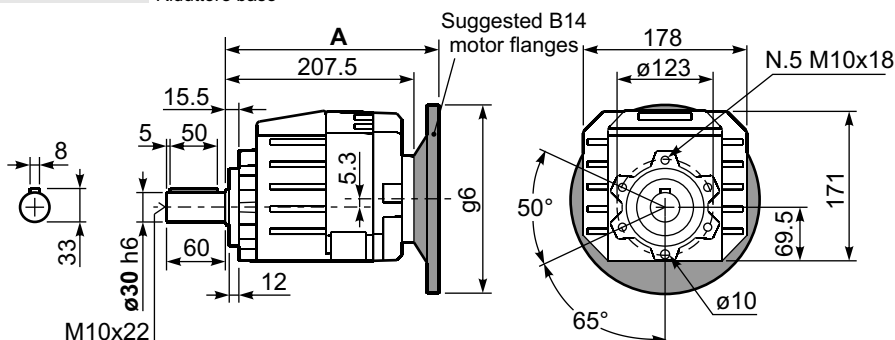
P502A-F... Output flanges
flange di uscita

*Available output shaft / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	Ø 30x60	8	33	M10x22
On request A richiesta	Ø 24x50	8	27	M8x19
	Ø 25x50	8	28	M8x19
	Ø 28x60	8	31	M8x19
	Ø 35x60	10	38	M10x22

Available output flanges / flange di uscita

a1 Ø	b1	c1	e1	f1	s1	kit code	 With flange and feet only on request. Ask for compatibility
160	110	14	130	3.5	9	KC50.9.011	
200	130	13	165	3.5	11	KC50.9.012	
250	180	15.5	215	4	14	KC50.9.013	

P502A-N... Basic gearbox
Riduttore baseR502A-N... Input Shaft
Albero in entrata



B5 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
71 B5	226	227.3	160	228.5	KC023.4.041	234.5
80/90 B5	228	247.3	200	230.5	KC023.4.042	236.5
100/112 B5	234	272.3	250	236.5	KC023.4.043	242.5

B14 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
80 B14	226	207.3	120	228.5	KC085.4.046	234.5
90 B14	226	217.3	140	228.5	KC085.4.045	234.5
100/112 B14	240.7	227.3	160	243.2	KC085.4.047	249.2
132 B14	261.5	247	200	264	KC50.4.041	270



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft 	Ratios code 
							B	C	D	E	Q	R	T		
							63	71	80	90	71	80	90		
35.2	39.79	1.1	278	1.3	1.5	373	B				C	C		191316	01
29.6	47.22	1.1	330	1.1	1.2	354	B				C	C		191314	02
25.6	54.73	1.1	382	0.9	1.0	354	B				C	C		171314	03
21.1	66.22	0.75	315	1.0	0.78	326	B				C	C		171312	04
18.3	76.69	0.75	365	1.0	0.73	354	B				C	C		131314	05
16.7	83.59	0.55	292	1.2	0.67	354	B				C	C		190814	06
15.1	92.78	0.55	324	1.0	0.55	326	B				C	C		131312	07
13.4	104.67	0.55	365	1.0	0.53	354	B				C	C		101314	08
11.9	117.22	0.37	275	1.2	0.44	326	B				C	C		170812	09
11.1	126.65	0.37	297	1.1	0.41	326	B				C	C		101312	10
10.2	136.62	0.37	321	1.1	0.41	354	B				C	C		91314	11
8.5	165.29	0.25	262	1.2	0.31	326	B				C	C		91312	12
7.8	180.40	0.25	286	1.2	0.31	354	B				C	C		71314	13
6.4	218.26	0.25	346	0.9	0.24	326	B				C	C		71312	14
5.8	241.82	0.25	384	0.9	0.23	354	B				C	C		90814	15
4.8	292.57	0.18	334	1.0	0.18	326	B				C	C		90812	16
4.4	319.32	0.18	365	1.0	0.17	354	B				C	C		70814	17
3.6	386.33	0.18	441	0.7	0.13	326	B				C	C		70812	18
2.9	480.16	0.18	548	0.5	0.08	250	B				C	C		70810	19

The dynamic efficiency is **0.93** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione








C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **503A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **503A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

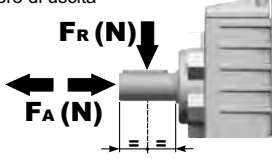
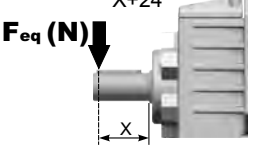
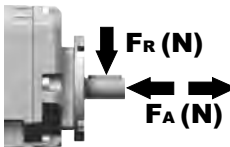
D Das Getriebe **503A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **503A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
0.75 LT	0.75 LT	1.05 LT	1.15 LT	1.20 LT	1.20 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

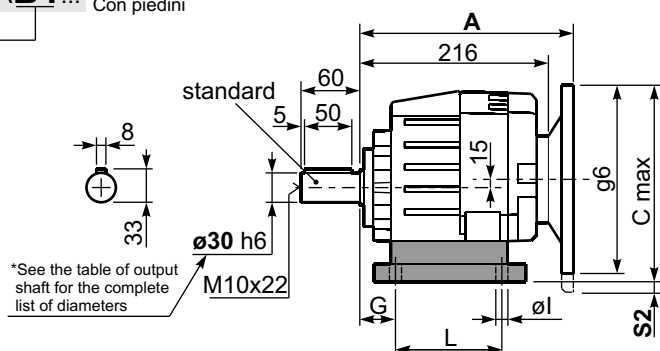
For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{54}{X+24}$					
								
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	460	2300	140	600	3000	70	780	3900
250	480	2400	120	620	3100	40	900	4500
200	520	2600	85	700	3500	15	1000	5000
Input shaft Albero in entrata								
n_1	FA	FR	n_1	FA	FR	n_1	FA	FR
1400	400	2000	900	440	2200	500	440	2200

tab. 2

▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P503A-B1... With feet
Con piediniGearbox weight
peso riduttore With flange **11.9 kg**
With feet **12.1 Kg**

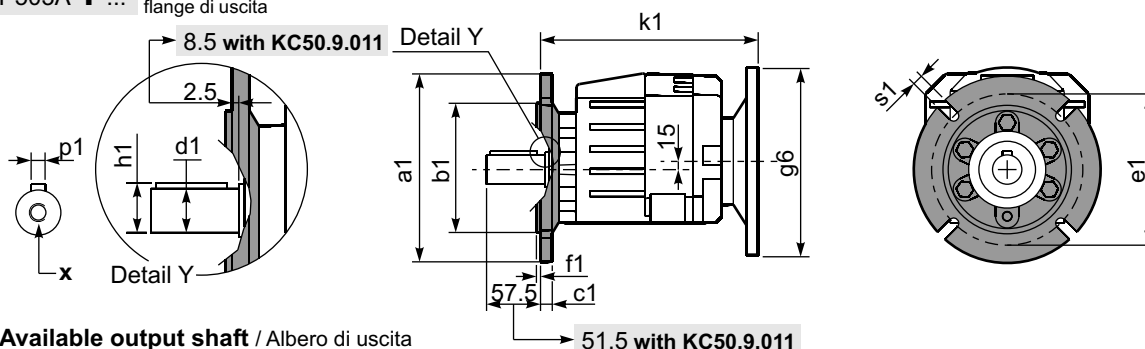
Feet / piedini

Feet Code	Market reference	G	H	R	L	S	H1	O	øl	S2 only with motor flange	B5 max. Flange	kit code
B3	312/3	18	110	160	130	190	211.5	20	11	10 100/112B5		KC50.9.024
B4	30/35	20	130	180	149.5	216	231.5	18	14			KC60.9.024
S4	47-57	30	115	135	165	170	216.5	24	13.5	5 100/112B5		KC50.9.022
H3	023-233	30	130	135	135	185	231.5	25	14			KC50.9.025
M2	52/3	30	110	135-150	100	190	226.5	18	11			KC50.9.023
L6	06	19	125	160	106	205	201.5	8	14		80/90B5	KC50.9.026LM
E2	2202/3	13	100	135	192	164	201.5	6	14	10 100/112B5		KC50.9.027LM
P4	142	35	142	130	145	160	243.5	8	14			KC50.9.028LM

Other feet are available, see our web site
Sono disponibili altri piedini, consulta il nostro sito web

A see on page bottom

Most popular types
Tipi più diffusi

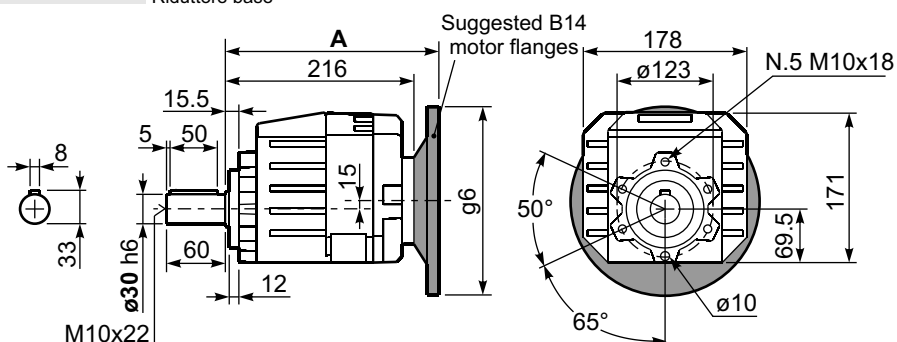
P503A-F... Output flanges
flange di uscita

*Available output shaft / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	ø 30x60	8	33	M10x22
On request A richiesta	ø 24x50	8	27	M8x19
	ø 25x50	8	28	M8x19
	ø 28x60	8	31	M8x19
	ø 35x60	10	38	M10x22

Available output flanges / flange di uscita

a1 ø	b1	c1	e1	f1	s1	kit code	 With flange and feet only on request. Ask for compatibility
160	110	14	130	3.5	9	KC50.9.011	
200	130	13	165	3.5	11	KC50.9.012	
250	180	15.5	215	4	14	KC50.9.013	

P503A-N... Basic gearbox
Riduttore baseR503A-N... Input Shaft
Albero in entrata

B5 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
63 B5	236.5	227	140	239	K063.4.041	245
71 B5	234.5	237	160	237	K063.4.042	243
80/90 B5	236.5	257	200	239	K063.4.043	245

B14 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
71 B14	234.5	209.5	105	237	K063.4.047	243
80 B14	235.5	217	120	238	K063.4.046	244
90 B14	236.5	227	140	239	K063.4.041	245



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft		
							C	D	E	F	R	T	U	V			Ratios code
							71	80	90	100 112	80	90	100 112	132			
388	3.61	7.5	177	0.9	7.0	165	B								3018	standard ø35	01
331	4.23	7.5	208	1.0	7.2	200	B								3016		02
279	5.01	7.5	246	1.0	7.3	240	B								3014		03
231	6.07	7.5	298	0.9	6.8	270	B								3012		04
206	6.81	5.5	245	1.4	7.6	340	B								2018		05
176	7.96	5.5	287	1.3	7.1	370	B								2016		06
148	9.45	5.5	340	1.2	6.5	400	B								2014		07
122	11.43	5.5	412	1.0	5.3	400	B								2012		08
99	14.21	4	372	1.1	4.3	400	B								2010		09
84	16.62	4	435	1.2	4.6	501	B								1314		10
70	20.10	4	527	0.9	3.8	499	B								1112		11
57	24.61	3	483	1.0	3.1	492	B								1312		12
56	24.98	3	491	0.8	2.4	400	B								1310		13
47.6	29.41	2.2	424	1.0	2.3	440	B								814		14
39.3	35.58	1.85	431	1.2	2.1	499	B								812		15
34.6	40.50	1.1	292	1.1	1.2	310	B								614		16
31.7	44.23	1.5	434	0.9	1.4	400	B								810		17
28.6	49.00	1.1	353	1.0	1.1	368	B								612		18
23.0	60.90	1.1	439	0.9	1.0	400	B								610		19

The dynamic efficiency is **0.96** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **602A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **602A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **602A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **602A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
B3	B6	B7	B8	V5	V6	V8
0.55 LT	0.85 LT	1.10 LT	1.20 LT	1.20 LT	1.25 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

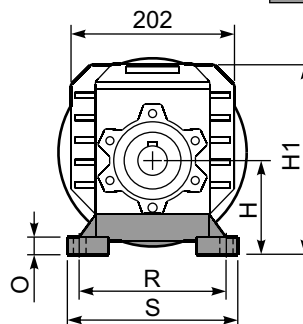
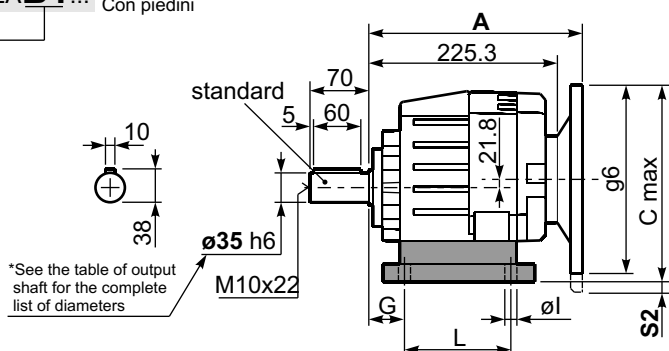
For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{60.5}{X+25.5}$					
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	560	2800	140	740	3700	70	890	4200
250	600	3000	120	760	3800	40	1160	5800
200	640	3200	85	840	4000	15	1300	6500
Input shaft Albero in entrata								
n_1	FA	FR	n_1	FA	FR	n_1	FA	FR
1400	450	2250	900	500	2500	500	600	3000

tab. 2

▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P602A**B1** ...
With feet
Con piediniGearbox
weight
peso riduttore
With flange **14.1 kg**
With feet **14.5 Kg**

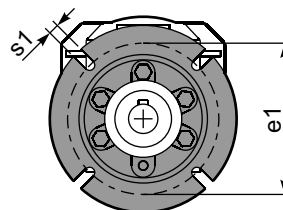
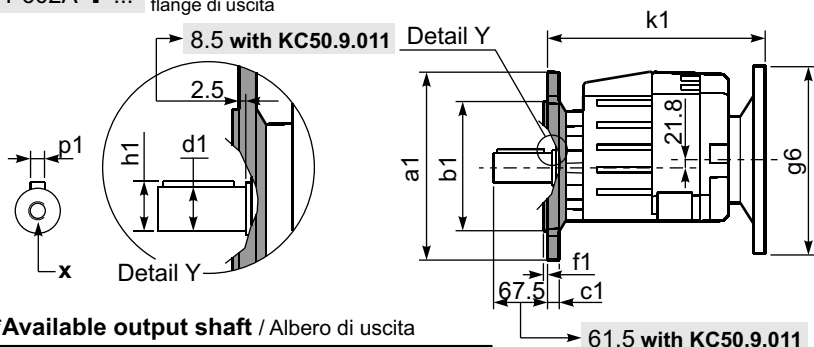
Feet / piedini

Feet Code	Market reference	G	H	R	L	S	H1	O	øl	S2 only with motor flange	B5 max. Flange	kit code
B4	412/3	20	130	180	149.5	216	233	18	14	-	100/112 B5	KC60.9.024
S4	47-57	30	115	135	165	170	218	24	13.5	-		KC50.9.022
M3	62/3	35	120	170-185	110	230	223	20	14	-		KC60.9.023
S7	77	35	140	170	205	204	243	8	14	-		KC60.9.029LM
H4	024-243	35	155	170	150	225	258	30	14	-		KC60.9.025
L6	06	19	125	160	106	205	228	8	14	-		KC50.9.026LM
E3	2302/3	19.5	125	170	240	205	228	8	14	-		KC60.9.026LM
P6	162	40	162	160	205	200	265	8	14	-		KC60.9.027LM
B5	352/3	23.5	115	170	130	205	218	8	14	-		KC60.9.021LM

Other feet are available, see our web site
Sono disponibili altri piedini, consulta il nostro sito web

A see on page bottom

Most popular types
Tipi più diffusi

P602A-**F** ...
Output flanges
flange di uscita

*Available output shaft / Albero di uscita

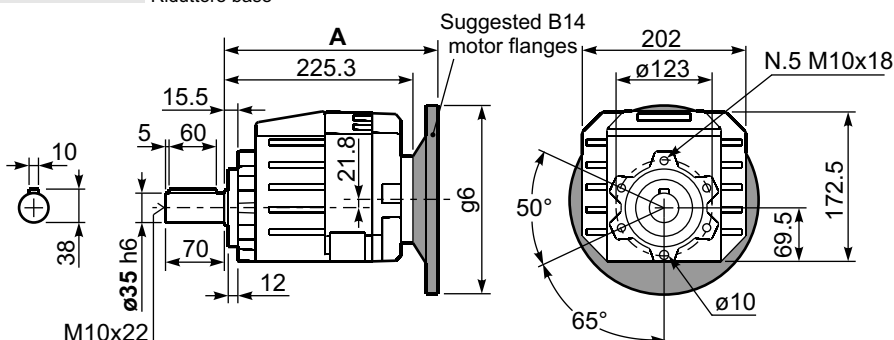
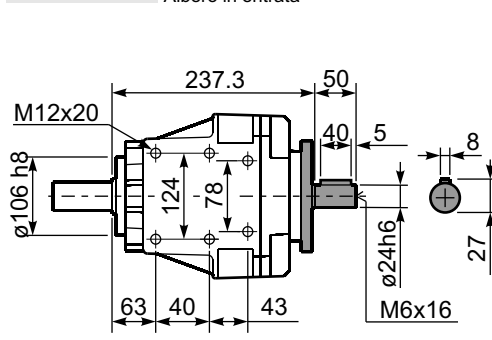
	Shaft - d1	p1	h1	x
Standard	ø 35x70	10	38	M10x22
On request A richiesta	ø 28x60	8	31	M8x20
	ø 30x60	8	33	M10x22
	ø 38x70	10	41	M10x25
	ø 40x80	12	43	M12x28

Available output flanges / flange di uscita

a1 ø	b1	c1	e1	f1	s1	kit code
160	110	14	130	3.5	9	KC50.9.011
200	130	13	165	3.5	11	KC50.9.012
250	180	15.5	215	4	14	KC50.9.013



With flange and feet
only on request.
Ask for compatibility

P602A-**N** ...
Basic gearbox
Riduttore baseR602A-**N** ...
Input Shaft
Albero in entrata


B5 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
71 B5	243.8	263.8	160	246.3	KC023.4.041	252.3
80/90 B5	245.8	283.8	200	248.3	KC023.4.042	254.3
100/112 B5	251.8	308.8	250	254.3	KC023.4.043	260.3

B14 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
80 B14	243.8	243.8	120	246.3	KC085.4.046	252.3
90 B14	243.8	253.8	140	246.3	KC085.4.045	252.3
100/112 B14	258.5	263.8	160	261	KC085.4.047	267
132 B14	279.5	283.8	200	282	KC50.4.041	288



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft 	Ratios code
							B	C	D	E	Q	R	T		
							63	71	80	90	71	80	90		
35.2	39.79	1.5	379	1.1	1.7	434	B				C	C		191316	01
29.6	47.22	1.5	449	1.1	1.7	501	B				C	C		191314	02
25.6	54.73	1.5	521	1.0	1.4	501	B				C	C		171314	03
24.5	57.13	1.1	399	1.3	1.4	500	B				C	C		191312	04
21.1	66.22	1.1	462	1.1	1.2	500	B				C	C		171312	05
19.7	71.01	1.1	496	0.9	0.97	435	B				C	C		191310	06
18.3	76.69	1.1	535	0.9	1.0	501	B				C	C		131314	07
17.0	82.30	0.75	392	1.1	0.83	435	B				C	C		171310	08
16.7	83.59	0.75	398	1.1	0.83	441	B				C	C		190814	09
15.1	92.78	0.75	441	1.1	0.85	500	B				C	C		131312	10
13.4	104.68	0.75	498	1.0	0.75	501	B				C	C		101314	11
11.9	117.22	0.55	409	1.2	0.67	500	B				C	C		170812	12
11.1	126.65	0.55	442	1.1	0.62	500	B				C	C		101312	13
10.3	135.74	0.37	319	1.4	0.51	441	B				C	C		130814	14
9.6	145.68	0.37	342	1.3	0.47	435	B				C	C		170810	15
8.9	157.40	0.37	369	1.2	0.44	435	B				C	C		101310	16
8.5	165.29	0.37	388	1.3	0.48	500	B				C	C		91312	17
7.6	185.29	0.37	435	1.0	0.38	441	B				C	C		100814	18
6.8	205.43	0.37	482	0.9	0.33	435	B				C	C		91310	19
6.2	224.18	0.37	526	1.0	0.35	500	B				C	C		100812	20
5.8	241.82	0.25	384	1.1	0.29	441	B				C	C		90814	21
5.0	278.62	0.25	442	1.0	0.25	435	B				C	C		100810	22
4.8	292.57	0.25	464	1.1	0.27	500	B				C	C		90812	23
3.9	363.63	0.18	415	1.0	0.19	435	B				C	C		90810	24

The dynamic efficiency is 0.93 for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore








EN Unit **603A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

For complete documentation please visit our web site.

I Il riduttore **603A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore. Per la documentazione completa consulta il nostro sito.

D Das Getriebe **603A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **603A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor. Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
0.75 LT	0.90 LT	1.15 LT	1.25 LT	1.30 LT	1.35 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website

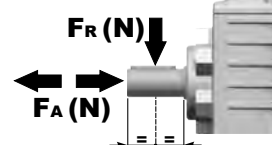
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

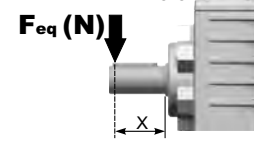
RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita



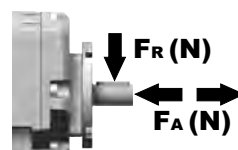
$$F_{eq} = F_R \cdot \frac{60.5}{X+25.5}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	560	2800	140	740	3700	70	890	4200
250	600	3000	120	760	3800	40	1160	5800
200	640	3200	85	840	4000	15	1300	6500

Input shaft

Albero di entrata

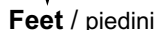


n_1	FA	FR
1400	400	2000
900	440	2200
500	440	2200

tab. 2


SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

Gearbox weight peso riduttore	With flange	14.3 kg
	With feet	14.7 Kg



Feet Code	Market reference	G	H	R	L	S	H1	O	øl	S2 only with motor flange	B5 max. Flange	kit code
B4	412/3	20	130	180	149.5	216	233	18	14	-	100/112 B5	KC60.9.024
S4	47-57	30	115	135	165	170	218	24	13.5	-		KC50.9.022
M3	62/3	35	120	170÷185	110	230	223	20	14	-		KC60.9.023
S7	77	35	140	170	205	204	243	8	14	-		KC60.9.029LM
H4	024-243	35	155	170	150	225	258	30	14	-		KC60.9.025
L6	06	19	125	160	106	205	228	8	14	-		KC50.9.026LM
E3	2302/3	19.5	125	170	240	205	228	8	14	-		KC60.9.026LM
P6	162	40	162	160	205	200	265	8	14	-		KC60.9.027LM
B5	352/3	23.5	115	170	130	205	218	8	14	-	KC60.9.021LM	

A see on page bottom

 Most popular types
Tipi più diffusi

Technical drawing of the KC50.9.011 output shaft assembly. The drawing includes a side view, a front view, and a detail view of the shaft connection. Dimensions are given in millimeters.

Side View Dimensions:

- Overall length: 67.5
- Shaft diameter: 15.5
- Keyway width: 2.5
- Keyway depth: 2.5
- Shaft diameter at output: 8.5 with KC50.9.011

Front View Dimensions:

- Overall length: 61.5 with KC50.9.011
- Shaft diameter: 15.5
- Keyway width: 2.5
- Keyway depth: 2.5
- Shaft diameter at output: 8.5 with KC50.9.011

Detail Y Dimensions:

- Overall length: 67.5
- Shaft diameter: 15.5
- Keyway width: 2.5
- Keyway depth: 2.5
- Shaft diameter at output: 8.5 with KC50.9.011


***Available output shaft / Albero di uscita**

***Available output shaft / Albero di uscita**

	Shaft - d1	p1	h1	x
Standard	ø 35x70	10	38	M10x22
On request A richiesta	ø 28x60	8	31	M8x20
	ø 30x60	8	33	M10x22
	ø 38x70	10	41	M10x25
	ø 40x80	12	43	M12x28

Available output flanges / flange di uscita

a1 Ø	b1	c1	e1	f1	s1	kit code
160	110	14	130	3.5	9	KC50.9.011
200	130	13	165	3.5	11	KC50.9.012
250	180	15.5	215	4	14	KC50.9.013

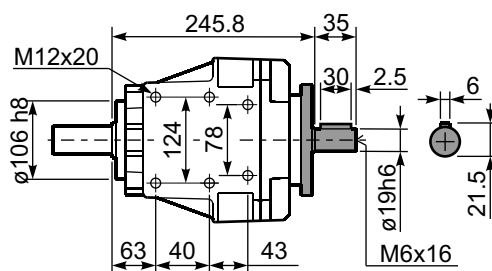
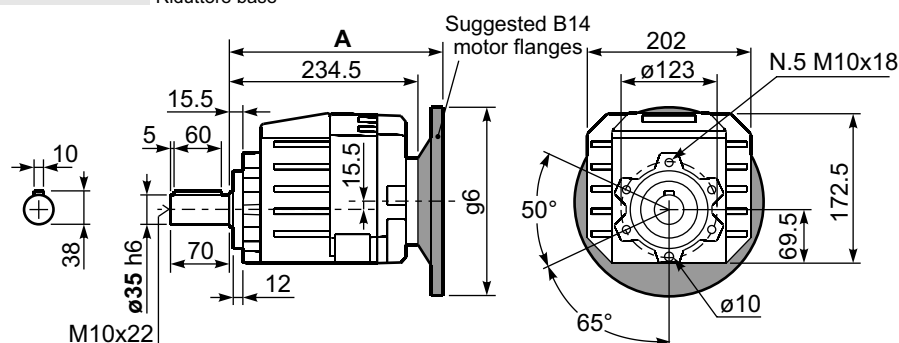


With flange and feet
only on request.

Ask for compatibility

With flange and feet
only on request.
Ask for compatibility

R603A-N... Input Shaft
Albero in entrata

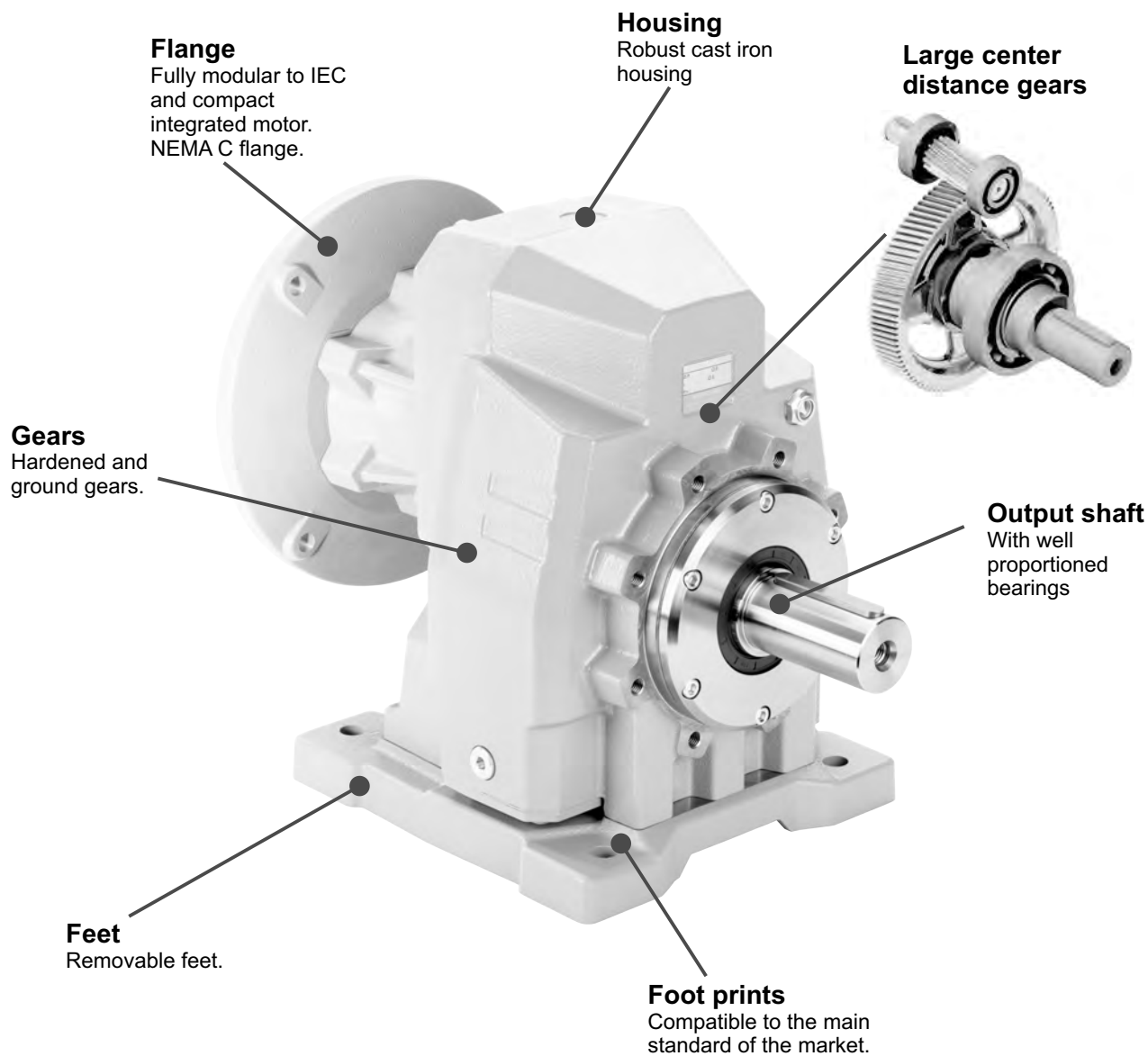


B5 Motor Flanges	A	C_{max}	g6	k1	kit code	k1 with KC50.9.011
63 B5	255	247.5	140	257.5	K063.4.041	263.5
71 B5	253	257.5	160	255.5	K063.4.042	261.5
80/90 B5	255	277.5	200	257.5	K063.4.043	263.5

B14 Motor Flanges	A	C_{max}	g6	k1	kit code	k1 with KC50.9.011
71 B14	253	230	105	255.5	K063.4.047	261.5
80 B14	254	237.5	120	256.5	K063.4.046	262.5
90 B14	255	247.5	140	257.5	K063.4.041	263.5

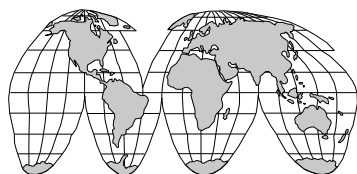
Cast iron gearboxes

A modular and compact product



Single-piece Cast Iron housing

with high tensile strength.
Precision machined for alignment of bearings and gearing



World wide sales network.

Specific type datasheet on page...

On page / A pagina / Auf Seite / En la página

1 Stage



Types / Tipi /
Arten / Tipos

7-5	7-11	7-17	7-23
501C 210Nm	701C 360Nm	801C 670Nm	901C 900Nm

On page / A pagina / Auf Seite / En la página

2 and 3 Stages



Types / Tipi /
Arten / Tipos

7-7	7-9	7-13	7-15	7-19	7-21	7-25	7-27
502C 300Nm	503C 300Nm	702C 600Nm	703C 600Nm	802C 900Nm	803C 900Nm	902C 1800Nm	903C 1800Nm

On page / A pagina / Auf Seite / En la página



Types / Tipi /
Arten / Tipos

M-1										
56A 56B	63A 63B	71A 71B	80A 80B	90S 90L	100LA 100LB	112M	132S 132M	160M 160L	180M 180L	

• Get on our web for the selected type/size the detailed informations

For : / Per : / Für : / Para :

Selection guide - fs

Guida alla selezione

Reversibility

Reversibilità

Download 3D drawings

Download disegni 3D

Mounting pos. - Lubrication

Pos. di montaggio - lubrificazione

Thermal limit

Limite termico

Interchangeability

Intercambiabilità

2 - 6 poles selection

Selezione 2 - 6 poli

Atex certification

Certificazione Atex

Installation and maintenance

Installazione, uso e manutenzione

Radial - axial loads

Carichi radiali e assiali

Accessories

Accessori

Spare parts list

Liste parti di ricambio

Type - Tipo - Typ - Tipo

Size - Grandezza
Grösse - Tomaño

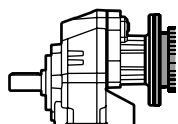
Mounting - Montaggio - Montage - Tipo de montaje

P

702C

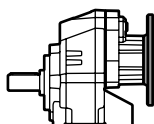
B4

Cast iron coaxial gear boxes
Riduttori coassiali in Ghisa



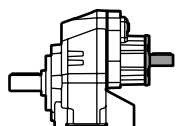
With IEC motor

M



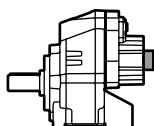
With motor flange

P



With male input shaft

R



Modular base

B

1 Stage
Riduzione
Stufe
Etapas

501C

701C

801C

901C

3 Stages
Riduzioni
Stufen
Etapas

503C

703C

803C

903C

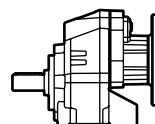
2 Stages
Riduzioni
Stufen
Etapas

502C

702C

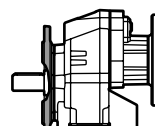
802C

902C



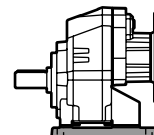
Without flange / feet

-N



Output flange mounted

-F

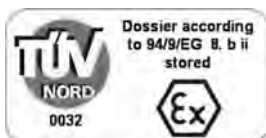


Mounted feet

B..

Feet / piedini							
Feet Code	Market reference	G	H	R	L	L1	S
B1	112	18	85	110	87	50	
B2	212/3	18	100	130	107.5		
S1	17	18	75	110	90+20		
S2	27	25	90	110	130		
M1	42/3	25	80	110+120	85		
L4	04	13	80	105			
L5	05	16	100	125			

You see feet code in the chart of the dimensions
Vedi codice piede nella tabella delle dimensioni

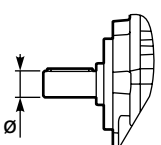
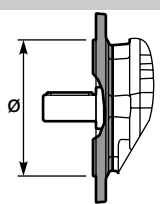
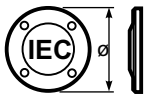






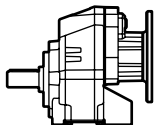
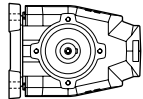
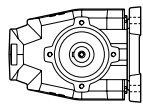
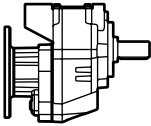
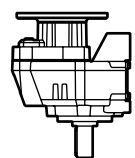
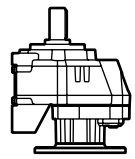
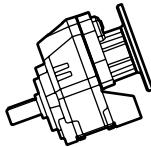


A richiesta possiamo fornire i nostri prodotti secondo le normative ATEX

On request we can deliver our products according to the ATEX

Auf Anfrage können wir unsere Produkte den Richtlinien ATEX entsprechend liefern

A pedido, se pueden enviar nuestros productos de acuerdo con las normas ATEX.

Ratio - Rapporto Untersetzung Relación	Output shaft Albero lento Abtriebswelle Eje en solida	Output flange Flangia uscita Ausgangsflansch Brida en salida	Motor size Grandezza motore Motor Grösse Tamaño motor	Terminal box position Posizione morsettiera Klemmkastenlage Posición caja de bornes	Mounting position Posizione montaggio Einbaulage Position de montage
6.57	H	4	F	B	B3
<div>See technical data table</div> <div>Vedi tabelle dati tecnici.</div> <div>Technisches Datenblatt beachten.</div> <div>Ver tabla datos técnicos</div>	<div></div> <div>→ STANDARD</div> <div><div>501C 502C 503C</div><div>H → Ø30</div><div>I → Ø35</div></div> <div><div>701C 702C 703C</div><div>I → Ø35</div><div>L → Ø38</div><div>M → Ø40</div></div> <div><div>801C 802C 803C</div><div>M → Ø40</div><div>P → Ø50</div></div> <div><div>901C 902C 903C</div><div>P → Ø50</div><div>J → Ø60</div></div>	<div></div> <div>N Senza flangia Without flange</div> <div><div>501C 502C 503C</div><div>3 → Ø160</div><div>4 → Ø200</div><div>5 → Ø250</div></div> <div><div>701C 702C 703C</div><div>4 → Ø200</div><div>5 → Ø250</div></div> <div><div>801C 802C 803C</div><div>5 → Ø250</div><div>6 → Ø300</div></div> <div><div>901C 902C 903C</div><div>6 → Ø300</div><div>7 → Ø350</div></div> <div>→ STANDARD</div>	<div>Standard Flange Flangia Standard</div> <div></div> <div><div>B5</div><div>A=56 (Ø120)</div><div>B=63 (Ø140)</div><div>C=71 (Ø160)</div><div>D=80 (Ø200)</div><div>E=90 (Ø200)</div><div>F=100+112 (Ø250)</div><div>G=132 (Ø300)</div><div>H=160 (Ø350)</div><div>I=180 (Ø350)</div></div> <div><div>B14</div><div>O=56 (Ø80)</div><div>P=63 (Ø90)</div><div>Q=71 (Ø105)</div><div>R=80 (Ø120)</div><div>T=90 (Ø140)</div><div>U=100+112 (Ø160)</div><div>V=132 (Ø200)</div></div> <div><div>Type R / Tipo R</div><div></div><div><div>503C</div><div>1 → Ø14</div></div><div><div>702C 802C 903C</div><div>3 → Ø24</div></div><div><div>502C 703C 803C</div><div>2 → Ø19</div></div><div><div>902C</div><div>4 → Ø28</div></div></div> <div><div>Without flange / Senza flangia</div><div></div><div><div>503A</div><div>Z → Ø9 (56B5)</div><div>0 → Ø11 (63B5)</div><div>1 → Ø14 (71B5)</div></div><div><div>702C 802C 903C</div><div>2 → Ø19 (80B5)</div><div>3 → Ø24 (90B5)</div><div>4 → Ø28 (100B5)</div></div><div><div>502C 703C 803C</div><div>1 → Ø14 (71B5)</div><div>2 → Ø19 (80B5)</div><div>3 → Ø24 (90B5)</div></div><div><div>902C</div><div>5 → Ø38 (132B5)</div><div>6 → Ø42 (160B5)</div><div>7 → Ø48 (180B5)</div></div><div><div>501C</div><div>4 → Ø28 (100B5)</div></div><div>→ STANDARD</div></div>	<div></div> <div>A</div> <div></div> <div>B</div> <div>STANDARD</div> <div></div> <div>C</div> <div></div> <div>D</div>	<div></div> <div>B3/B5</div> <div>STANDARD</div> <div></div> <div>B6</div> <div></div> <div>B7</div> <div></div> <div>B8</div> <div></div> <div>V5</div> <div></div> <div>V6</div> <div></div> <div>V8</div>

POTENZA RICHIESTA / REQUIRED POWER / ERFORDERLICHE LEISTUNG / POTENCIA NECESARIA

Lifting / sollevamento / hubantriebe / elevación

$$P [KW] = \frac{M [Kg] \cdot g [9.81] \cdot v [m / s]}{1000}$$

Rotation / rotazione / drehung / rotation

$$P [KW] = \frac{M [Nm] \cdot n [rpm]}{9550}$$

Linear movement / traslazione / linearbewegung / translacion

$$P [KW] = \frac{F [N] \cdot v [m / s]}{1000}$$

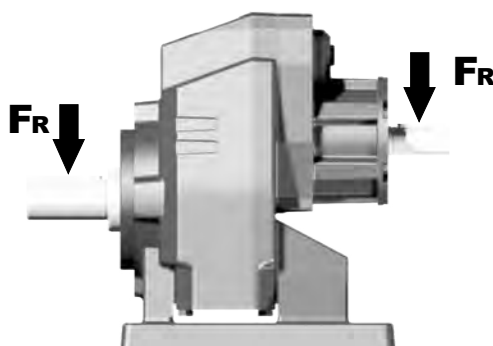
TORQUE / COPPIA / DREHMOMENT / PAR

$$M [Nm] = \frac{9550 \cdot P[KW]}{n [rpm]}$$

$$M [lb in] = \frac{63030 \cdot P[HP]}{n [rpm]}$$

RADIAL LOADS / CARICHI RADIALI / RADIALE - UND AXIALLASTEN / CARGA RADIAL Y AXIAL

- Radial load generated by external transmissions keyed onto input and/or output shafts.
- Forza radiale generata da organi di trasmissione calettati sugli alberi di ingresso e/o uscita.
- Belastungen der Antriebs- bzw. Abtriebswellen durch von aussen eingebrachte Radiallasten.
- Cargas radiales, generada por transmisiones externas, aplicadas sobre los ejes de entrada y/o salida



$F_R \text{ [N]} = \frac{M \text{ [Nm]} \cdot 2000}{d \text{ [mm]}} \cdot f_k$		$F_R \text{ [N]} = \frac{M \text{ [lb in]} \cdot 8.9}{d \text{ [in]}} \cdot f_k$	
M	Momento torcente / Output torque / Abtriebsdrehmoment / Par torsion		
d	Diametro primitivo / Diam. of driving element / Durchmesser der Abtriebseinheit / Diámetro primitivo		
f _k	Coefficiente di trasformazione / Factor / Faktor / Coefficiente de transmisión 1.15 Ingranaggi / Gearwheels / Zahnrad / Engranaje 1.25 Catena / Chain sprockets / Antriebskette / Cadena 1.75 Cinghia Trapezoidale / Narrow v-belt pulley / Keilriemen / Correa trapezoidal 2.50 Cinghia piatta / Flat-belt pulley / Flachzahnriem. / Correa plana		

- If your application requires higher radial loads, contact our technical office. Higher load may be possible.
- Nel caso la vostra applicazione richieda carichi radiali superiori consultare il nostro ufficio tecnico, valori maggiori possono essere accettati.
- Wenn Ihre Anwendung höhere Radialbelastungen erfordert, so wenden Sie sich bitte an unser technischen Büro.
- En el caso en que una aplicación exija una carga radial superior a la especificada en el catálogo, consultar a nuestra oficinas técnica.

How to select a gearbox / Come selezionare un riduttore
Wie wählt man ein Getriebe / Cómo seleccionar un reductor

B Output speed
Velocità in uscita
Abtriebsdrehzahl
Velocidad de salida

Nominal power
Potenza nominale
Max. mögliche Leistung
Potencia nominal

A Nominal torque
Momento torcente nominale
Nenn Drehmoment
Par de torsión nominal

Flange code
Codice flangia
Flanschttype
Código bridas


Input speed
Velocità in entrata
Eintriebsdrehzahl
Velocidad de entrada

Gear size
Grandezza riduttore
Getriebegröße
Tamaño reductor

Motor power
Potenza motore
Motorleistung
Potencia motor

702C Coaxial - Gear
600Nm

Rating - Cast Iron COAXIAL GEARBOXES



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft	Ratio code
							C	D	E	F	R	T	U	V		
213	6.57	7.5	312	1.2	8.4	360	71	80	90	100	80	90	100	132	3018	-
185	7.56	7.5	359	1.0	7.5	370									3016	
159	8.82	7.5	419	0.9	6.7	385									3014	
113	12.39	7.5	588	0.9	6.8	550									2018	
98	14.24	5.5	499	1.1	6.1	570									2016	

C Ratio
Rapporto
Untersetzung
Relación

Transmitted torque
Momento torcente trasmesso
Mögliche Drehmomente
Par transmitido

Service factor
Fattore di servizio
Betriebsfaktor
Factor de servicio

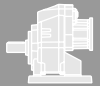
Output shaft diam.
Diam. albero uscita
Durchmesser abtriebswelle
Diámetro eje de salida

Notes
Note
Anmerkungen
Notas

fs		Oper. hours per day Ore di funz. giorn.		
Type of load and starts per hour Tipo di carico e avviamenti per ora		3 h	10 h	24 h
Continuous or intermittent appl. with start / hour Applicazione cont. o interm. con n.ro operazioni/ora	Uniform / Uniforme	0.8	1	1.25
	Moderate / Moderato	1	1.25	1.5
	Heavy / Forte	1.25	1.5	1.75
Intermittent application with start / hour Applicazione intermittente con n.ro operazioni/ora	Uniform / Uniforme	1	1.25	1.5
	Moderate / Moderato	1.25	1.5	1.75
	Heavy / Forte	1.5	1.75	2.15



D	Motor flange available Flange disponibili Erhältliche Motorflansche Bridas disponibles
B)	Mounting with reduction ring Montaggio con boccola di riduzione Reduzierhülsen Montaje con casquillo de reducción
C)	Motor flangeholes position/terminal box position Posizione fori flangia/basetta motore Bohrungsposition am Motorflansch/-sockel Posición agujeros brida / base motor
B)	Available without reduction bushes Disponibile anche senza boccola Auch ohne Reduzierbuchse verfügbar Disponible también sin casquillo

A	Select required torque (according to service factor)	Seleziona la coppia desiderata (comprensiva del fattore di servizio)	Max. Drehmoment in Bezug zum Betriebsfaktor	Seleccionar el par deseado (incluyendo el factor de servicio)
B	Select output speed	Seleziona la velocità in uscita	Ausgewählte Abtriebsdrehzahl	Seleccionar la velocidad de salida
C	On the same line of selected geared motor, you can find the gear ratio	Sulla riga corrispondente alla motorizzazione prescelta si può rilevare il rapporto di riduzione	Auf der gleichen Linie wie die ausgewählte Motorleistung steht auch die Getriebeuntersetzung	En la línea correspondiente al motor preseleccionado es posible encontrar la relación de reducción
D	Select motor flange available (if requested)	Scegli la flangia disponibile (se richiesta)	Erhältliche Motorflansche (auf Anfrage)	Seleccionar la brida disponible (sobre pedido)



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges			Available B14 motor flanges			Output Shaft 	Output Shaft \emptyset	Ratios code 
							D	E	F	R	T	U			
481	2.91	4	76	1.7	6.7	130	B	B		B	B		3499	standard	01
373	3.75	4	98	1.5	6.0	150	B	B		B	B		28105	ø30	02
263	5.33	4	140	1.1	4.4	155	B	B		B	B		21112		03
219	6.39	4	167	0.9	3.6	155	B	B		B	B		18115	ø35	04
178	7.85	4	205	1.0	4.0	210	B	B		B	B		13102	On request	05

The dynamic efficiency is **0.98** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **501C** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.








For complete documentation please visit our web site.

I Il riduttore **501C** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

Per la documentazione completa consulta il nostro sito.

D Das Getriebe **501C** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **501C** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor. Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
1.25 LT	0.80 LT	0.80 LT	0.70 LT	1.40 LT	0.80 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website

Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

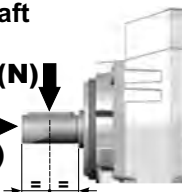
tab. 1

RADIAL AND AXIAL LOADS

Output shaft

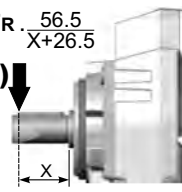
Albero di uscita

F_R (N)
 F_A (N)



$$F_{eq} = F_R \cdot \frac{56.5}{X+26.5}$$

F_{eq} (N)



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	500	2500	140	640	3200	70	820	4100
250	540	2700	120	680	3400	40	1020	5100
200	580	2900	85	760	3800	15	1100	5500

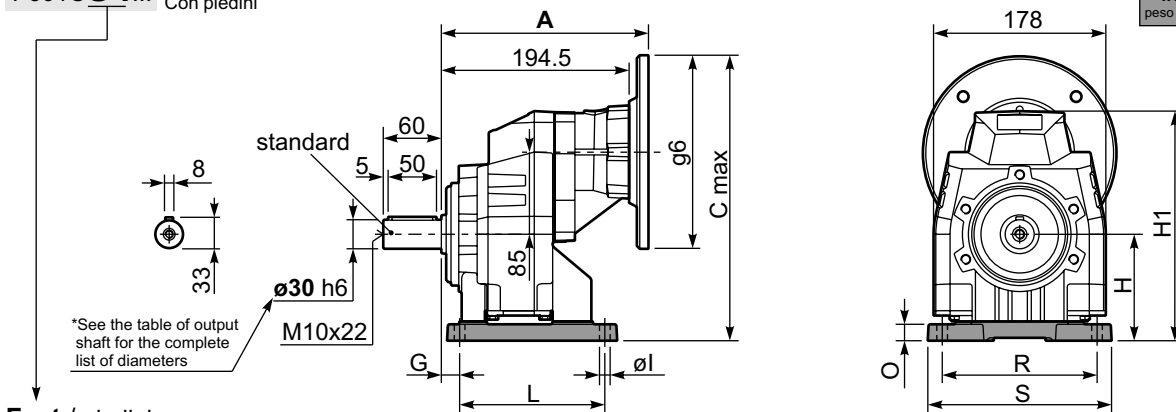
On request reinforced bearings to increase loads.

A richiesta cuscinetti rinforzati per aumentare i carichi.

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

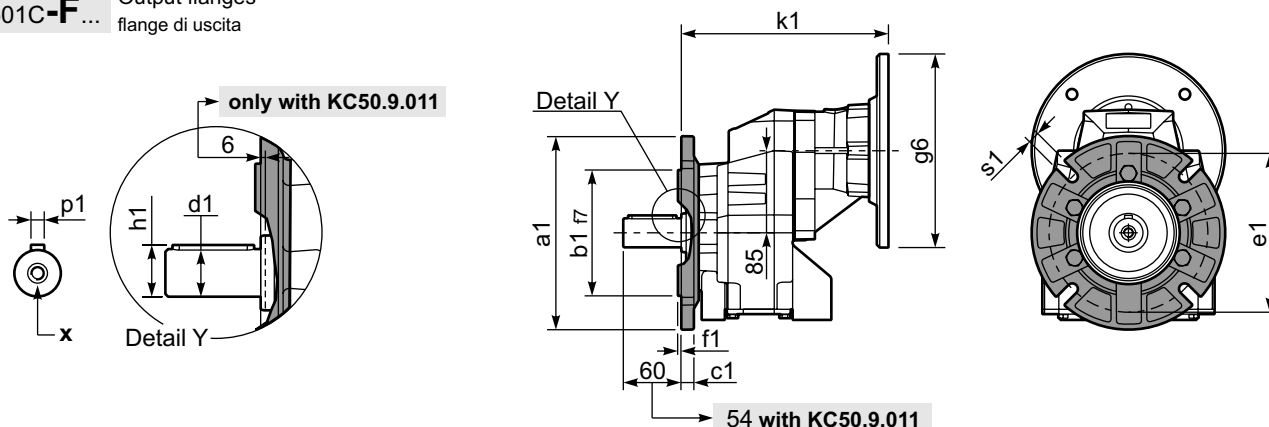
P501C-S4...

With feet
Con piediniGearbox weight
peso riduttore With flange 20.0 kg
With feet 22.0 kg

Feet / piedini

Feet Code	Market reference	G	H	R	L	S	H1	O	øI	B5 max. Flange	kit code
B3	312/3	18	110	160	130	190	237	17	11	-	C50C.9.022
S4	47	30	115	135	165	170	242	22	13.5	-	C50C.9.024
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

P501C-F...

Output flanges
flange di uscita

*Available output shaft / Albero di uscita

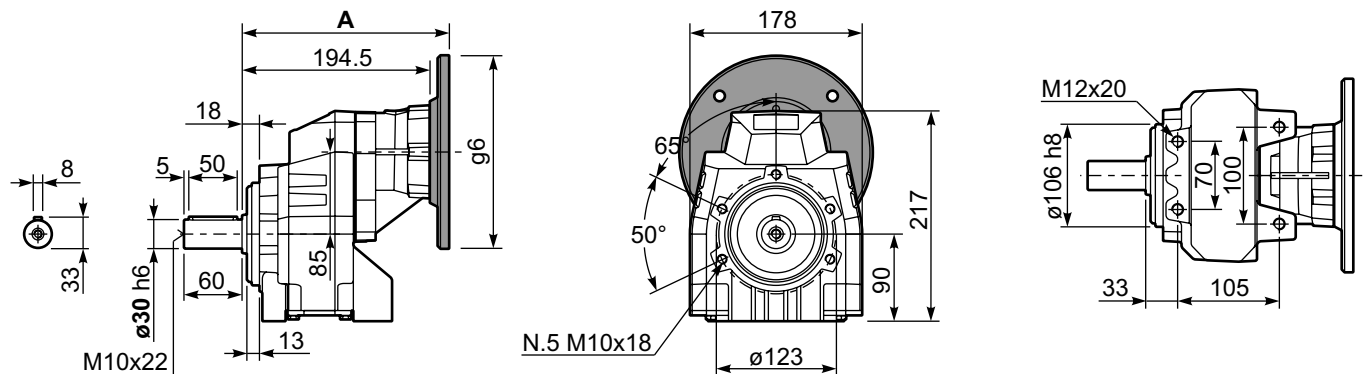
	Shaft - d1	p1	h1	x
Standard	ø 30x60	8	33	M10x22
On request A richiesta	ø 35x70	10	38	M10x22
	-	-	-	-

Available output flanges / flange di uscita

a1 ø	b1	c1	e1	f1	s1	kit code
160	110	14	130	3.5	9	KC50.9.011
200	130	13	165	3.5	11	KC50.9.012
250	180	15.5	215	4	14	KC50.9.013

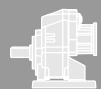
With flange and feet
only on request.
Ask for compatibility

P501C-N...

Basic gearbox
Riduttore base



B5 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
80/90 B5	215	300	200	215	KC023.4.042	221
100/112 B5	221	325	250	221	KC023.4.043	227

B14 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
80 B14	213	260	120	213	KC085.4.046	219
90 B14	213	270	140	213	KC085.4.045	219
100/112 B14	224	280	160	224	KC085.4.047	230



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft  \emptyset	Ratios code 
							B	C	D	E	Q	R	T	U		
							63	71	80	90	71	80	90	100 112		
167	8.38	4	215	1.0	4.0	220	B				C	C			2821	01
139	10.04	3	194	1.1	3.4	220	B				C	C			2818	02
114	12.33	3	238	1.0	3.0	240	B				C	C			2813	03
92	15.16	2.2	216	1.1	2.4	240	B				C	C			1921	04
80	17.57	2.2	250	1.0	2.2	250	B				C	C			1721	05
77	18.16	2.2	258	1.0	2.3	270	B				C	C			1918	06
67	21.05	2.2	299	1.0	2.2	300	B				C	C			1718	07
63	22.30	2.2	317	0.9	2.1	300	B				C	C			1913	08
57	24.70	1.5	242	1.2	1.9	300	B				C	C			1518	09
54	25.85	1.5	253	1.2	1.8	300	B				C	C			1713	10
47.5	29.49	1.5	289	1.0	1.6	300	B				C	C			1318	11
46.1	30.34	1.5	297	1.0	1.5	300	B				C	C			1513	12
41.7	33.60	1.1	240	1.0	1.1	250	B				C	C			1021	13
38.7	36.21	1.1	259	1.2	1.3	300	B				C	C			1313	14
34.8	40.25	1.1	288	1.0	1.1	300	B				C	C			1018	15
28.3	49.43	0.75	243	1.2	0.93	300	B				C	C			1013	16
26.7	52.53	0.75	258	1.0	0.73	250	B				C	C			918	17
21.7	64.51	0.55	234	1.3	0.71	300	B				C	C			913	18
20.2	69.37	0.37	168	1.1	0.40	180	B				C	C			718	19
16.4	85.19	0.37	206	1.1	0.39	220	B				C	C			713	20

The dynamic efficiency is **0.96** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione








C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **502C** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **502C** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **502C** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.
Per la documentazione completa consulta il nostro sito.

E El reductor tamaño **502C** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
1.25 LT	0.80 LT	0.80 LT	0.70 LT	1.40 LT	0.80 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web **tab. 1**

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{56.5}{X+26.5}$$

n_2	FA	FR
300	500	2500
250	540	2700
200	580	2900

n_2	FA	FR
140	640	3200
120	680	3400
85	760	3800

n_2	FA	FR
70	820	4100
40	1020	5100
15	1100	5500

On request reinforced bearings to increase loads.

A richiesta cuscinetti rinforzati per aumentare i carichi.

Input shaft

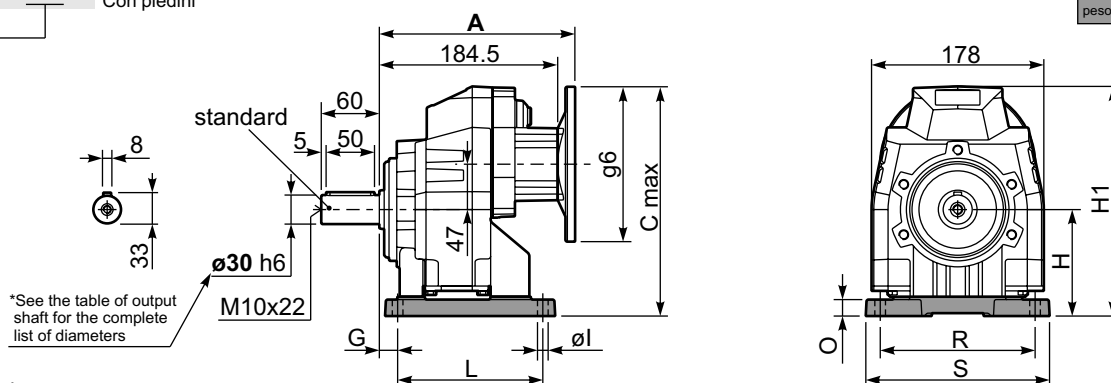
Albero in entrata

n_1	FA	FR
1400	240	1200
900	280	1400
500	340	1700

tab. 2

▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

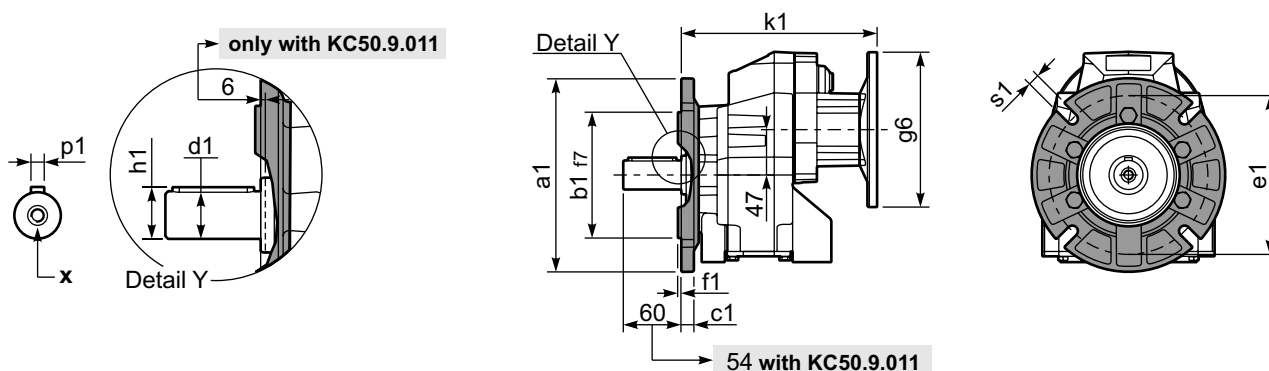
P502C-S4...

With feet
Con piediniGearbox weight
peso riduttore
With flange 15.0 kg
With feet 17.0 kg

Feet / piedini

Feet Code	Market reference	G	H	R	L	S	H1	O	Øl	B5 max. Flange	kit code
B3	312/3	18	110	160	130	190	237	17	11	-	C50C.9.022
S4	47	30	115	135	165	170	242	22	13.5	-	C50C.9.024
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

P502C-F...

Output flanges
flange di uscita

*Available output shaft / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	Ø 30x60	8	33	M10x22
On request A richiesta	Ø 35x70	10	38	M10x22
	-	-	-	-

Available output flanges / flange di uscita

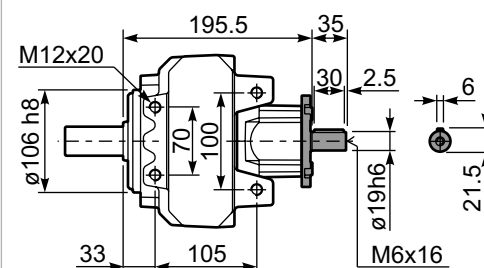
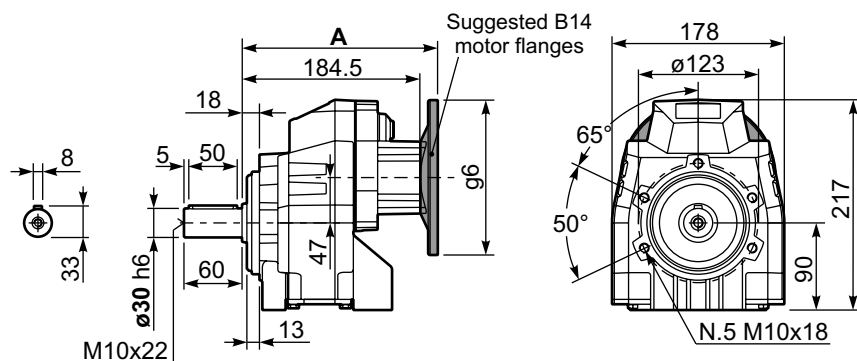
a1 Ø	b1	c1	e1	f1	s1	kit code
160	110	14	130	3.5	9	KC50.9.011
200	130	13	165	3.5	11	KC50.9.012
250	180	15.5	215	4	14	KC50.9.013

With flange and feet
only on request.
Ask for compatibility

P502C-N...

Basic gearbox
Riduttore base

R502C-N...

Input Shaft
Albero in entrata


B5 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
63 B5	205	232	140	205	K063.4.041	211
71 B5	203	242	160	203	K063.4.042	209
80/90 B5	205	262	200	205	K063.4.043	211

B14 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
71 B14	203	214.5	105	203	K063.4.047	209
80 B14	204	222	120	204	K063.4.046	210
90 B14	205	232	140	205	K063.4.041	211
100/112 B14	220.5	242	160	220.5	KC40.4.041	226.5



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges		Available B14 motor flanges			Output Shaft 	Ratios code
							B	C	O	P	Q		
							63	71	56	63	71		
18.8	74.33	0.37	176	1.7	0.63	300			C	C		191313	01
17.0	82.56	0.37	196	1.5	0.57	300			C	C		151318	02
16.0	87.48	0.37	208	1.4	0.53	300			C	C		131713	03
13.8	101.40	0.37	241	1.2	0.46	300			C	C		151313	04
11.4	122.57	0.37	291	1.0	0.38	300			C	C		131313	05
10.1	138.59	0.37	329	0.9	0.34	300			C	C		101318	06
8.7	160.82	0.25	257	1.2	0.29	300			C	C		91713	07
8.2	170.20	0.25	272	1.1	0.27	300			C	C		101313	08
7.6	183.48	0.25	294	1.0	0.25	300			C	C		91318	09
6.5	214.15	0.18	262	1.1	0.22	300			C	C		71713	10
6.2	225.33	0.18	276	1.1	0.21	300			C	C		91313	11
5.7	244.32	0.18	299	1.0	0.19	300			C	C		71318	12
5.5	254.15	0.18	311	1.0	0.18	300			C	C		61713	13
4.8	289.96	0.12	229	1.3	0.16	300			C	C		61318	14
4.7	300.05	0.12	237	1.3	0.16	300			C	C		71313	15
3.9	356.09	0.12	282	1.1	0.13	300			C	C		61313	16

The dynamic efficiency is **0.94** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione








C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **503C** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **503C** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

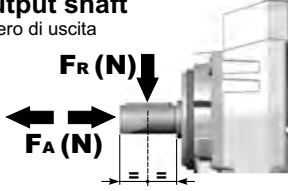
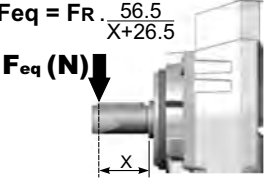
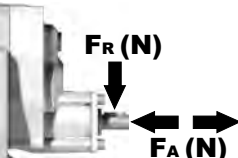
D Das Getriebe **503C** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **503C** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
1.35 LT	0.80 LT	0.80 LT	0.70 LT	1.50 LT	0.85 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

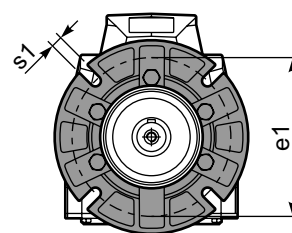
tab. 1

RADIAL AND AXIAL LOADS									
Output shaft Albero di uscita					$F_{eq} = F_R \cdot \frac{56.5}{X+26.5}$				
									
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR	
300	500	2500	140	640	3200	70	820	4100	
250	540	2700	120	680	3400	40	1020	5100	
200	580	2900	85	760	3800	15	1100	5500	
On request reinforced bearings to increase loads. A richiesta cuscinetti rinforzati per aumentare i carichi.									
Input shaft Albero in entrata									
n_1	FA	FR	n_1	FA	FR	n_1	FA	FR	
1400	140	700	900	160	800	500	190	950	

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

Gearbox weight peso riduttore	With flange	15.0 kg
	With feet	17.0 Kg

P503C-F...

a1 Ø	b1	c1	e1	f1	s1	kit code
160	110	14	130	3.5	9	KC50.9.011
200	130	13	165	3.5	11	KC50.9.012
250	180	15.5	215	4	14	KC50.9.013

With flange and feet only on request. Ask for compatibility

P503C-N...

R503C-N..

Technical drawing of the B14 motor flange, showing side and front views with dimensions.

Side View Dimensions:

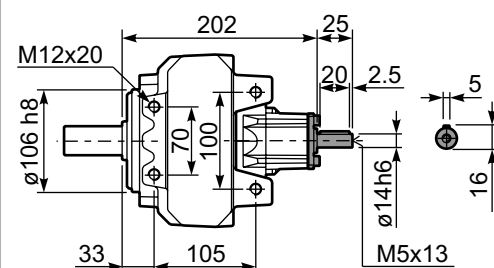
- Overall width: 192
- Distance from mounting face to centerline: 18
- Mounting face thickness: 5
- Distance from mounting face to centerline of flange: 50
- Flange thickness: 17
- Distance from mounting face to centerline of motor flange: 60
- Motor flange thickness: 13
- Motor flange diameter: $\varnothing 30$ h6
- Motor flange thread: M10x22
- Motor flange hole diameter: 8
- Motor flange hole offset: 33

Front View Dimensions:

- Overall width: 178
- Mounting face diameter: $\varnothing 123$
- Mounting face thickness: 90
- Mounting face hole diameter: 65
- Mounting face hole offset: 50
- Mounting face thread: N.5 M10x18

Other Dimensions:

- Motor flange diameter: $\varnothing 6$



B5 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
63 B5	208.5	202	140	208.5	K050.4.041	214.5
71 B5	206.5	212	160	206.5	K050.4.042	212.5

B14 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
56 B14	208	172	80	208	KC40.4.049	214
63 B14	210.5	177	90	210.5	K050.4.047	216.5
71 B14	208	184.5	105	208	K050.4.045	214



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges G 132	B14 motor flanges - - - - - - - -	Output Shaft \emptyset	Ratios code
508	2.76	9	166	1.5	13.3	245	not available	not available	2980	01
395	3.54	9	213	1.2	10.8	255			2485	02
277	5.06	7.5	245	1.1	7.7	260			1891	03
241	5.81	7.5	281	1.1	7.7	300			1693	04
206	6.79	7.5	329	1.1	8.0	360			1495	05

The dynamic efficiency is **0.98** for all ratios

On request

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **701C** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

For complete documentation please visit our web site.

I Il riduttore **701C** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore. Per la documentazione completa consulta il nostro sito.

D Das Getriebe **701C** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **701C** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor. Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
B3	B6	B7	B8	V5	V6	V8
1.85 LT	1.40 LT	1.40 LT	1.30 LT	2.25 LT	1.60 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website

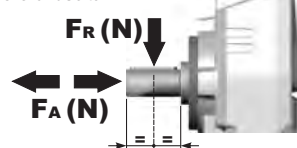
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

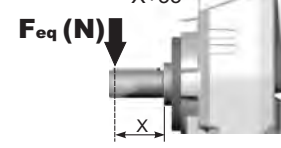
RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita



$$F_{eq} = F_R \cdot \frac{70}{X+35}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	680	3400	140	960	4800	70	1300	6500
250	760	3800	120	1040	5200	40	1460	7300
200	900	4500	85	1120	5600	15	1800	9000

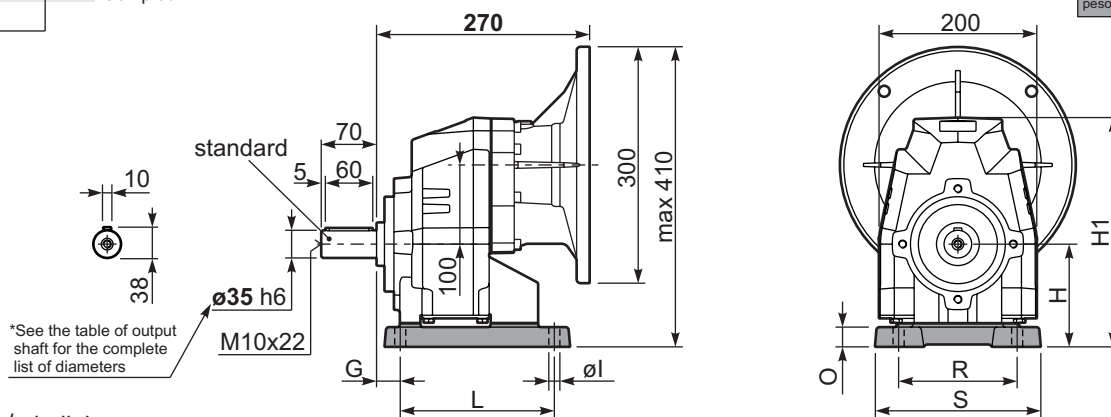
On request reinforced bearings to increase loads.

A richiesta cuscinetti rinforzati per aumentare i carichi.

tab. 2

▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

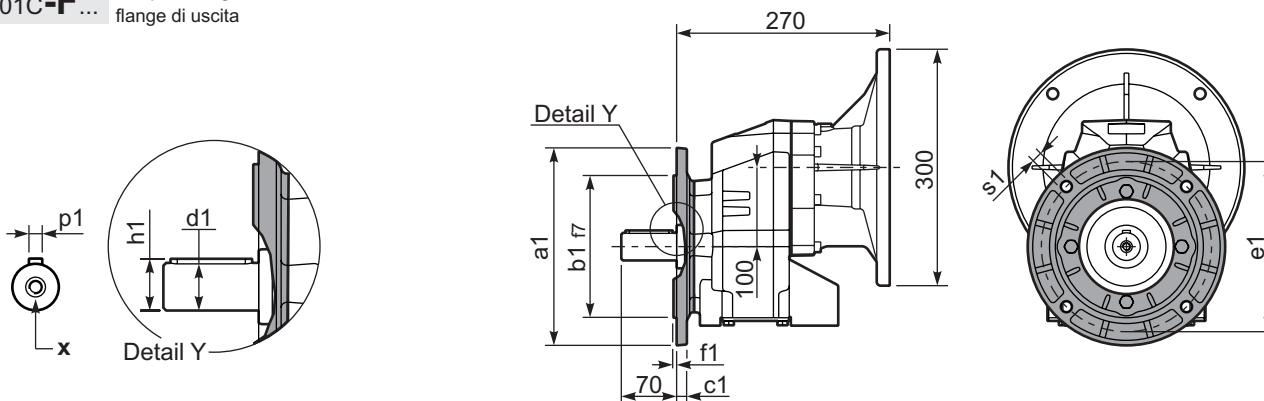
P701C-S6...

With feet
Con piediniGearbox weight
peso riduttore
With flange 36.0 kg
With feet 39.5 kg

Feet / piedini

Feet Code	Market reference	G	H	R	L	S	H1	O	Øl	B5 max. Flange	kit code
B4	412/3	19.5	130	180	149.5	216	290	25	14	-	KC70.9.022
S6	67	30	130	150	195	210	290	25	14	-	KC70.9.024
H5	025/253	35	160	170	175	220	320	30	16	-	KC70.9.023
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

P701C-F...

Output flanges
flange di uscita

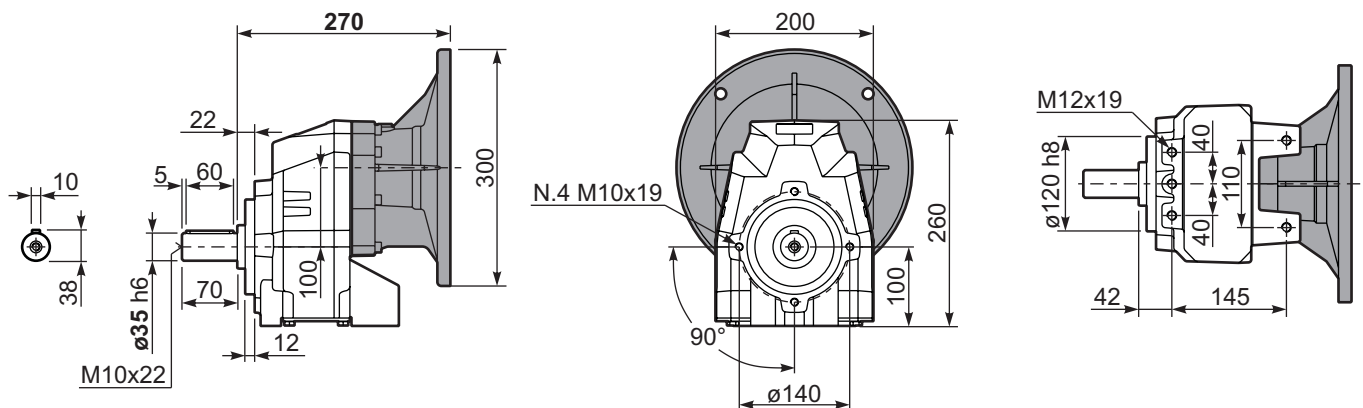
*Available output shaft / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	Ø 35x70	10	38	M10x22
On request A richiesta	Ø 38x70	10	41	M10x25
	Ø 40x80	12	43	M12x28

Available output flanges / flange di uscita

a1 Ø	b1	c1	e1	f1	s1	kit code	
200	130	11	165	3.5	11	KC70.9.012	 With flange and feet only on request. Ask for compatibility
250	180	13	215	4	14	KC70.9.013	
-	-	-	-	-	-	-	




P701C-N...

Basic gearbox
Riduttore base



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft 	Output Shaft 	Ratios code 
							C	D	E	F	R	T	U	V			
							71	80	90	100 112	80	90	100 112	132			
213	6.57	7.5	312	1.2	8.4	360	B								3018		01
185	7.56	7.5	359	1.0	7.5	370	B								3016		02
159	8.82	7.5	419	0.9	6.7	385	B								3014		03
113	12.39	7.5	588	0.9	6.8	550	B								2018		04
98	14.24	5.5	499	1.1	6.1	570	B								2016		05
84	16.75	5.5	587	1.0	5.5	600	B								1618	standard ø35	06
73	19.25	4	494	1.2	4.8	600	B								1616		07
64	21.78	4	558	1.1	4.2	600	B								1318	ø38	08
56	25.04	4	642	0.9	3.7	600	B								1316	ø40	09
47.9	29.23	3	564	1.1	3.1	600	B								1314	On request	10
45.7	30.65	3	592	1.0	3.0	600	B								1116		11
39.1	35.78	2.2	509	1.2	2.6	600	B								1114		12
36.3	38.55	2.2	548	1.1	2.3	580	B								818		13
31.6	44.32	2.2	630	1.0	2.1	600	B								816		14
27.1	51.74	1.5	507	1.2	1.8	600	B								814		15
22.9	61.03	1.1	437	1.1	1.2	460	B								616		16
19.6	71.25	1.1	510	1.0	1.2	535	B								614		17

The dynamic efficiency is 0.96 for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione








C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit 702C is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

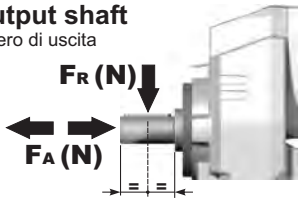
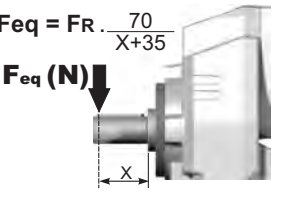
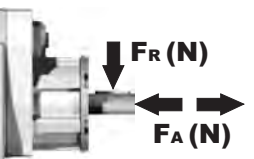
I Il riduttore 702C viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe 702C ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño 702C se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
2.10 LT	1.40 LT	1.40 LT	1.30 LT	2.25 LT	1.60 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web **tab. 1**

RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{70}{X+35}$					
								
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	680	3400	140	960	4800	70	1300	6500
250	760	3800	120	1040	5200	40	1460	7300
200	900	4500	85	1120	5600	15	1800	9000
On request reinforced bearings to increase loads. A richiesta cuscinetti rinforzati per aumentare i carichi.								
Input shaft Albero in entrata								
n_1	FA	FR	n_1	FA	FR	n_1	FA	FR
1400	400	2000	900	440	2200	500	440	2200

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

Gearbox weight peso riduttore	With flange	30.0 kg
	With feet	33.5 kg



P702C-F...[illegible]

B14 Motor Flanges	A	C _{max}	g6	k1	kit code
80 B14	247.5	270	120	247.5	KC085.4.04
90 B14	247.5	280	140	247.5	KC085.4.04
100/112 B14	258.5	290	160	258.5	KC085.4.04
132 B14	277	310	200	277	KC50.4.04



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft  \varnothing	Ratios code 
							B	C	D	E	Q	R	T		
							63	71	80	90	71	80	90		
22.6	61.89	1.5	594	1.0	1.5	600	B				C	C		191318	01
19.7	71.16	1.5	683	0.9	1.3	600	B				C	C		191316	02
17.0	82.48	1.1	578	1.0	1.1	600	B				C	C		171316	03
14.5	96.29	1.1	675	0.9	0.97	600	B				C	C		171314	04
13.9	100.51	0.75	483	1.2	0.93	600	B				C	C		131318	05
12.1	115.56	0.75	556	1.1	0.81	600	B				C	C		131316	06
11.1	125.96	0.75	606	1.0	0.74	600	B				C	C		190816	07
10.4	134.91	0.75	649	0.9	0.69	600	B				C	C		131314	08
9.5	147.05	0.55	522	1.1	0.64	600	B				C	C		190814	09
8.2	170.44	0.55	605	1.0	0.55	600	B				C	C		170814	10
7.6	184.15	0.55	653	0.9	0.51	600	B				C	C		101314	11
6.8	205.87	0.37	488	1.2	0.45	600	B				C	C		91316	12
5.8	240.34	0.37	570	1.1	0.39	600	B				C	C		91314	13
5.0	279.22	0.37	662	0.9	0.34	600	B				C	C		100816	14
4.3	325.97	0.25	522	1.2	0.29	600	B				C	C		100814	15
3.8	364.41	0.25	583	1.0	0.26	600	B				C	C		90816	16
3.3	425.43	0.18	521	1.2	0.22	600	B				C	C		90814	17
2.9	481.19	0.18	589	1.0	0.19	600	B				C	C		70816	18
2.5	561.76	0.18	687	0.9	0.17	600	B				C	C		70814	19

The dynamic efficiency is **0.94** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione








C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **703C** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **703C** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

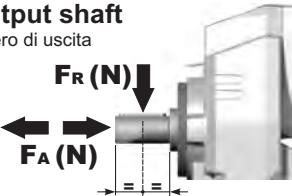
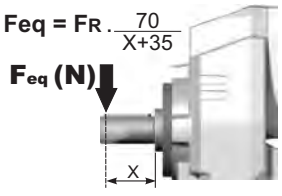
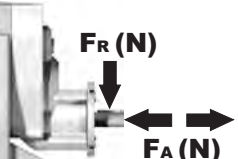
D Das Getriebe **703C** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **703C** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio						
							
B3	B6	B7	B8	V5	V6	V8	
2.20 LT	1.40 LT	1.40 LT	1.30 LT	2.40 LT	1.70 LT	Ask	
AGIP Telium VSF 320				SHELL Omala S4 WE 320			

For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{70}{X+35}$					
								
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	680	3400	140	960	4800	70	1300	6500
250	760	3800	120	1040	5200	40	1460	7300
200	900	4500	85	1120	5600	15	1800	9000
On request reinforced bearings to increase loads. A richiesta cuscinetti rinforzati per aumentare i carichi.								
Input shaft Albero in entrata								
n_1	FA	FR	n_1	FA	FR	n_1	FA	FR
1400	240	1200	900	280	1400	500	310	1700

tab. 2

▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

With feet
Con piedini

Gearbox weight peso riduttore	With flange	30.0 kg
	With feet	33.5 kg

P703C-F...

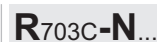
Output flanges
flange di uscita



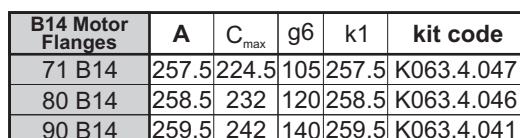
Available output flanges / flange di uscita

P703C-N...

Basic gearbox
Riduttore base



Input Shaft
Albero in entrata





QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges G 132	B14 motor flanges - - - - - - - -	Output Shaft \emptyset Ratios code
227	6.17	9	371	1.2	10.9	450		not available	18111 standard 01
198	7.06	9	425	1.4	12.7	600			16113 ø40 02
170	8.21	9	494	1.4	12.2	670			14115 ø50 03
On request									

The dynamic efficiency is **0.98** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **801C** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.

See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

For complete documentation please visit our web site.

I Il riduttore tipo **801C** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.

Tab.1 per oli e quantità consigliati.

Tab.2 carichi radiali e assiali applicabili al riduttore.

Per la documentazione completa consulta il nostro sito.

D Das Getriebe der Baugröße **801C** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.

In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben

In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

Die komplette Dokumentation, Wartungs - und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **801C** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Para documentación completa, consultar nuestra Web.

B3	B6	B7	B8	V5	V6	V8
3.20 LT	1.90 LT	1.90 LT	1.55 LT	3.20 LT	2.20 LT	Ask

AGIP Blasias 460

For all details on lubrication and plugs check our website

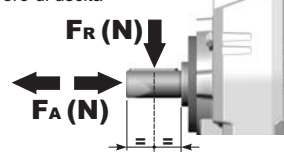
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

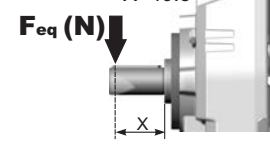
RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita



$$F_{eq} = F_R \cdot \frac{80.5}{X+40.5}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	1200	6000	140	1600	8000	70	2200	11000
250	1400	7000	120	1800	9000	40	2600	13000
200	1500	7500	85	2000	10000	15	3000	15000

On request reinforced bearings to increase loads.

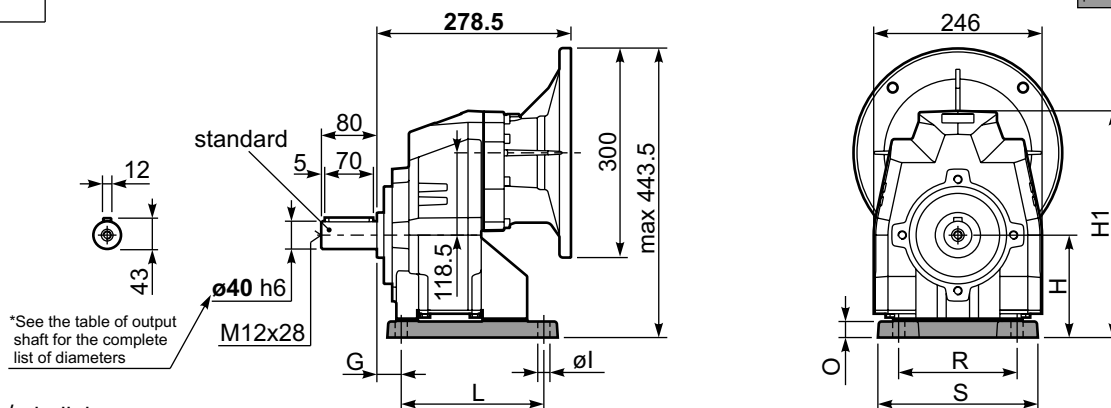
A richiesta cuscinetti rinforzati per aumentare i carichi.

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.

Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

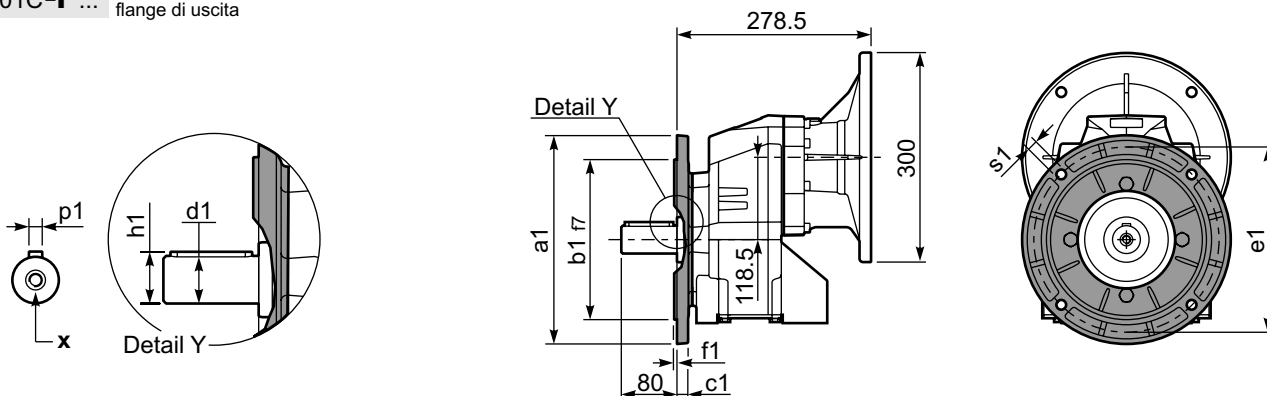
P801C-S7...

With feet
Con piediniGearbox weight
peso riduttore
With flange 45.5 kg
With feet 49.5 kg

Feet / piedini

Feet Code	Market reference	G	H	R	L	S	H1	O	øI	B5 max. Flange	kit code
B5	512/3	25	155	225	156	270	333.5	30	18	-	KC80.9.022
S7	77	35	140	170	205	230	318.5	18	17.5	-	KC80.9.024
H6	026/263	40	175	215	215	265	353.5	30	16	-	KC80.9.023
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

P801C-F...

Output flanges
flange di uscita

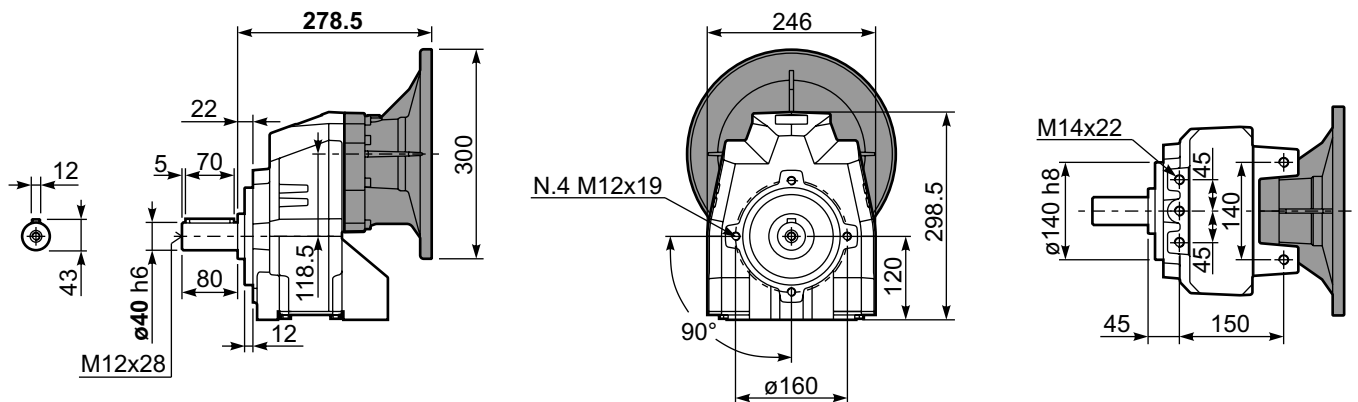
*Available output shaft / Albero di uscita

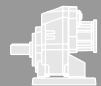
	Shaft - d1	p1	h1	x
Standard	ø 40x80	12	43	M12x28
On request A richiesta	ø 50x100	14	53.5	M16x36
	-	-	-	-

Available output flanges / flange di uscita

a1 ø	b1	c1	e1	f1	s1	kit code	
250	180	13	215	4	14	KC80.9.013	With flange and feet only on request. Ask for compatibility
300	230	16	265	4	14	KC80.9.014	
-	-	-	-	-	-	-	




P801C-N...

Basic gearbox
Riduttore base



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft 	Output Shaft 	Ratios code 
							C	D	E	F	R	T	U	V			
							71	80	90	100 112	80	90	100 112	132			
175	8.02	9	473	1.0	9.3	490	B								3018		01
153	9.18	9	541	1.0	9.3	560	B								3016		02
131	10.68	9	630	1.0	9.3	650	B								3014		03
93	15.11	7.5	717	1.1	7.6	755	B								2018		04
81	17.30	7.5	821	1.1	7.6	865	B								2016		05
70	20.13	7.5	955	0.9	6.8	900	B								2014	standard	06
60	23.39	5.5	820	1.1	5.9	900	B								1616	ø40	07
52	27.21	5.5	954	0.9	5.1	900	B								1614		08
46.0	30.42	4	780	1.2	4.5	900	B								1316	ø50	09
39.6	35.38	4	907	1.0	3.9	900	B								1314	On request	10
37.6	37.24	3	719	1.0	3.1	750	B								1116		11
32.3	43.31	3	836	1.0	3.1	870	B								1114		12
29.8	47.02	2.2	668	1.1	2.3	705	B								818		13
26.0	53.85	2.2	765	1.1	2.3	810	B								816		14
22.4	62.63	2.2	890	1.0	2.2	900	B								814		15
18.9	74.16	1.1	531	1.0	1.2	556	B								616		16
16.2	86.25	1.1	617	1.0	1.2	647	B								614		17

The dynamic efficiency is **0.96** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

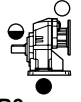
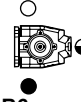
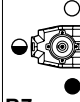
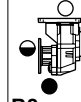
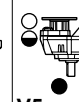
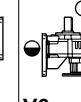
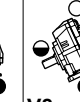
C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **802C** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore tipo **802C** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe der Baugröße **802C** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs - und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **802C** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

						
B3	B6	B7	B8	V5	V6	V8
3.20 LT	1.90 LT	1.90 LT	1.55 LT	3.20 LT	2.20 LT	Ask

AGIP Blasias 460

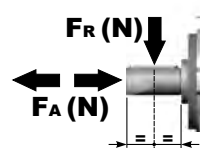
For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

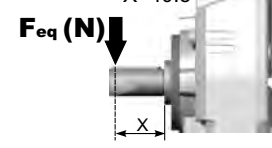
RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita



$$F_{eq} = F_R \cdot \frac{80.5}{X+40.5}$$



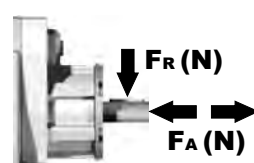
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	1200	6000	140	1600	8000	70	2200	11000
250	1400	7000	120	1800	9000	40	2600	13000
200	1500	7500	85	2000	10000	15	3000	15000

On request reinforced bearings to increase loads.

A richiesta cuscinetti rinforzati per aumentare i carichi.

Input shaft

Albero in entrata



n_1	FA	FR
1400	450	2250
900	500	2500
500	600	3000

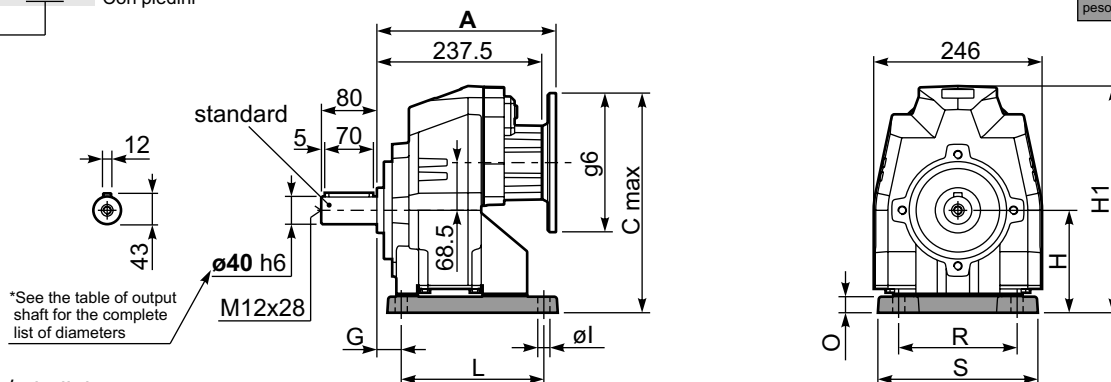
tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.

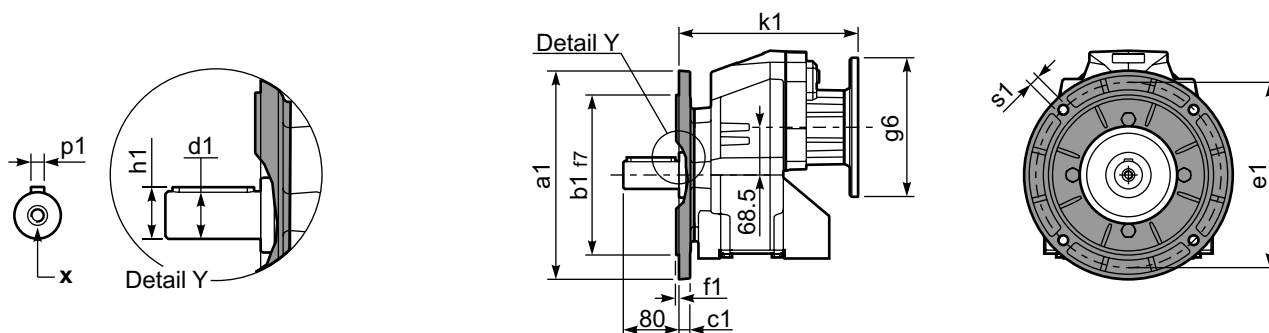
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

With feet
Con piedini

Gearbox weight peso riduttore	With flange	39.5 kg
	With feet	43.5 kg

[illegible]

Output flanges
flange di uscita



	Shaft - d1	p1	h1	x
Standard	ø 40x80	12	43	M12x28
On request A richiesta	ø 50x100	14	53.5	M16x36
	-	-	-	-

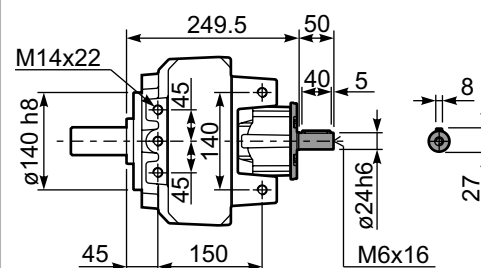
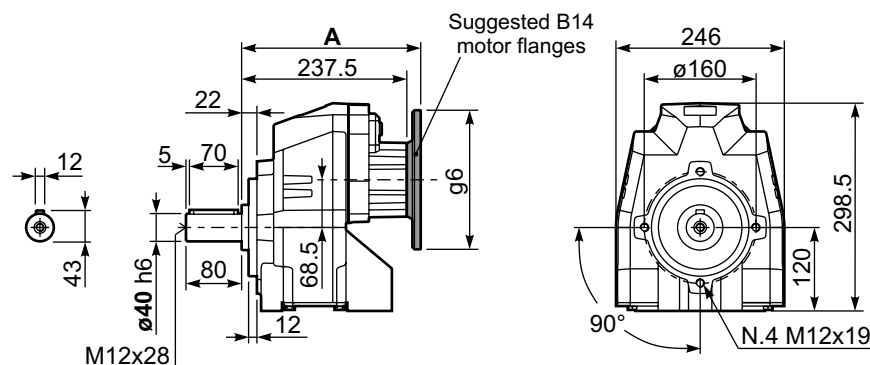
a1 Ø	b1	c1	e1	f1	s1	kit code
250	180	13	215	4	14	KC80.9.013
300	230	16	265	4	14	KC80.9.014
-	-	-	-	-	-	-



With flange and feet
only on request.
Ask for compatibility

Basic gearbox
Riduttore base

Input Shaft
Albero in entrata



B5 Motor Flanges	A	C _{max}	g6	k1	kit code
71 B5	256	323.5	160	256	KC023.4.041
80/90 B5	258	343.5	200	258	KC023.4.042
100/112 B5	264	368.5	250	264	KC023.4.043

B14 Motor Flanges	A	C_{max}	g6	k1	kit code
80 B14	256	303.5	120	256	KC085.4.04
90 B14	256	313.5	140	256	KC085.4.04
100/112 B14	267	323.5	160	267	KC085.4.04
132 B14	285.5	343.5	200	285.5	KC50.4.041



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft \varnothing	Ratios code
							B	C	D	E	Q	R	T			
							63	71	80	90	71	80	90			
18.5	75.50	1.5	725	1.1	1.7	825	B				C	C		191318	standard $\varnothing 40$ $\varnothing 50$ On request	01
16.2	86.47	1.5	830	1.1	1.6	900	B				C	C		191316		02
14.0	100.22	1.5	962	0.9	1.4	900	B				C	C		171316		03
12.0	116.56	1.1	817	1.1	1.2	900	B				C	C		171314		04
10.2	136.82	1.1	959	0.9	1.0	900	B				C	C		151314		05
9.1	153.05	0.75	736	1.1	0.83	810	B				C	C		190816		06
8.6	163.31	0.75	786	1.1	0.86	900	B				C	C		131314		07
7.9	178.01	0.75	856	1.1	0.79	900	B				C	C		190814		08
7.3	191.67	0.75	922	1.0	0.73	900	B				C	C		101316		09
6.8	206.32	0.75	992	0.9	0.68	900	B				C	C		170814		10
6.3	222.92	0.55	791	1.1	0.63	900	B				C	C		101314		11
5.8	242.18	0.55	859	1.0	0.58	900	B				C	C		150814		12
5.6	250.15	0.55	888	1.0	0.56	900	B				C	C		91316		13
4.8	289.08	0.55	1026	0.9	0.49	900	B				C	C		130814		14
4.2	330.31	0.37	783	1.1	0.41	860	B				C	C		71316		15
3.5	394.59	0.37	936	1.0	0.36	900	B				C	C		100814		16
2.7	514.99	0.25	824	1.1	0.27	900	B				C	C		90814		17
2.1	680.03	0.18	832	1.1	0.21	900	B				C	C		70814		18

The dynamic efficiency is **0.94** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **803C** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore tipo **803C** è fornito privo di lubrificazione con tappi di sfogo, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe der Baugröße **803C** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **803C** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

B3	B6	B7	B8	V5	V6	V8
3.30 LT	1.90 LT	1.90 LT	1.55 LT	3.40 LT	2.30 LT	Ask

AGIP Blasias 460

For all details on lubrication and plugs check our website

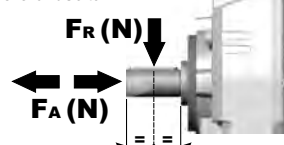
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

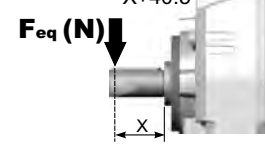
RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita



$$F_{eq} = F_R \cdot \frac{80.5}{X+40.5}$$



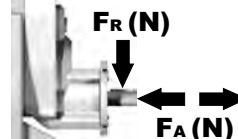
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	1200	6000	140	1600	8000	70	2200	11000
250	1400	7000	120	1800	9000	40	2600	13000
200	1500	7500	85	2000	10000	15	3000	15000

On request reinforced bearings to increase loads.

A richiesta cuscinetti rinforzati per aumentare i carichi.

Input shaft

Albero in entrata



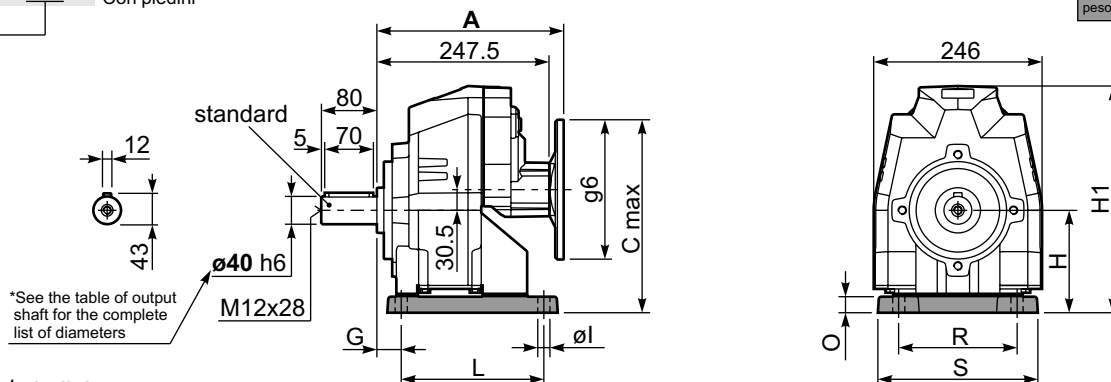
n_1	FA	FR
1400	400	2000
900	440	2200
500	440	2200

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.

Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

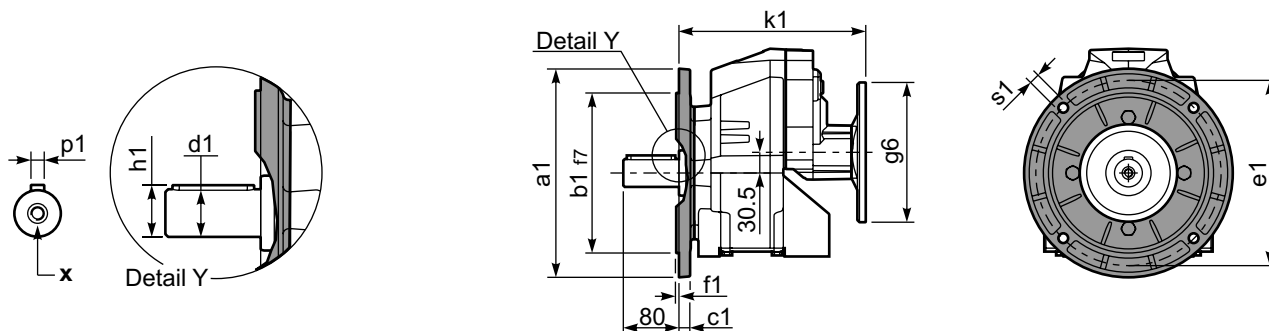
P803C-S7 ...

With feet
Con piediniGearbox
weight
peso riduttore
With flange **39.5 kg**
With feet **43.5 kg**

Feet / piedini

Feet Code	Market reference	G	H	R	L	S	H1	O	Øl	B5 max. Flange	kit code
B5	512/3	25	155	225	156	270	333.5	30	18	-	KC80.9.022
S7	77	35	140	170	205	230	318.5	18	17.5	-	KC80.9.024
H6	026/263	40	175	215	215	265	353.5	30	16	-	KC80.9.023
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

P803C-F ...

Output flanges
flange di uscita

*Available output shaft / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	Ø 40x80	12	43	M12x28
On request A richiesta	Ø 50x100	14	53.5	M16x36
	-	-	-	-

Available output flanges / flange di uscita

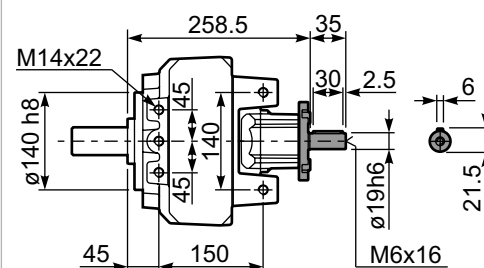
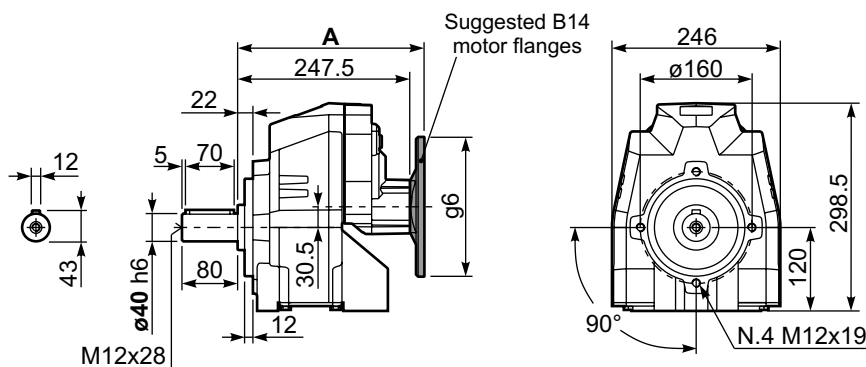
a1 Ø	b1	c1	e1	f1	s1	kit code
250	180	13	215	4	14	KC80.9.013
300	230	16	265	4	14	KC80.9.014
-	-	-	-	-	-	-

With flange and feet only on request. Ask for compatibility

P803C-N...

Basic gearbox
Riduttore base

R803C-N...

Input Shaft
Albero in entrata



B5 Motor Flanges	A	C _{max}	g6	k1	kit code
63 B5	268	275.5	140	268	K063.4.041
71 B5	266	285.5	160	266	K063.4.042
80/90 B5	268	305.5	200	268	K063.4.043

B14 Motor Flanges	A	C _{max}	g6	k1	kit code
71 B14	266	258	105	266	K063.4.047
80 B14	267	265.5	120	267	K063.4.046
90 B14	268	275.5	140	268	K063.4.041



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges		B14 motor flanges				Output Shaft  \emptyset	Ratios code 
							H	I	-	-	-	-		
528	2.65	22	374	1.5	31	550			not available				2361	01
409	3.42	22	483	1.2	25	570							1965	02
304	4.60	22	649	1.0	21.5	660							1569	03
256	5.46	22	771	1.0	20.5	750							1371	04
211	6.64	22	937	1.0	20.3	900							1173	05
													On request	

The dynamic efficiency is **0.98** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione








C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **901C** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore tipo **901C** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe der Baugröße **901C** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs - und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **901C** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

						
B3	B6	B7	B8	V5	V6	V8
5.90 LT	3.80 LT	3.80 LT	3.50 LT	6.80 LT	4.50 LT	Ask

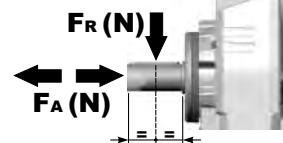
AGIP Blasias 460

For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

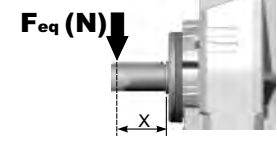
tab. 1

RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita



$$F_{eq} = F_R \cdot \frac{88.5}{X+38.5}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	1800	9000	140	2400	12000	70	3000	15000
250	2000	10000	120	2600	13000	40	3200	16000
200	2200	11000	85	2800	14000	15	4000	20000

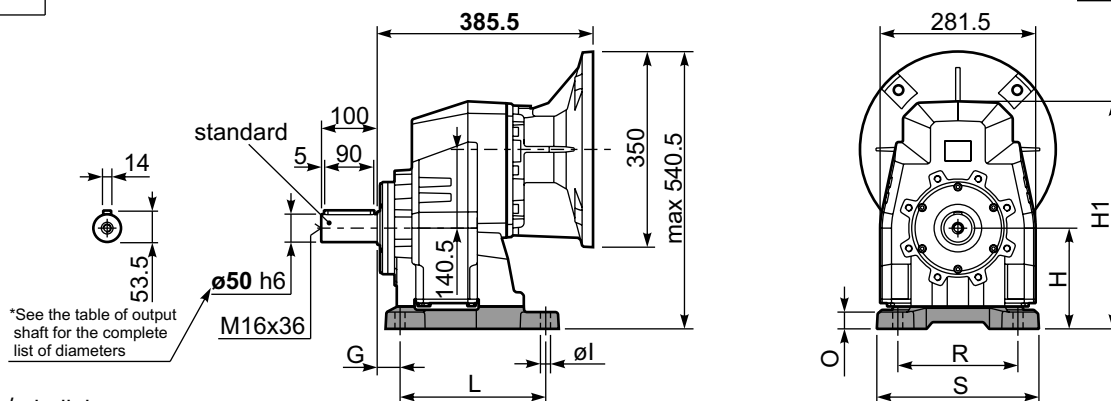
On request reinforced bearings to increase loads.

A richiesta cuscinetti rinforzati per aumentare i carichi.

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

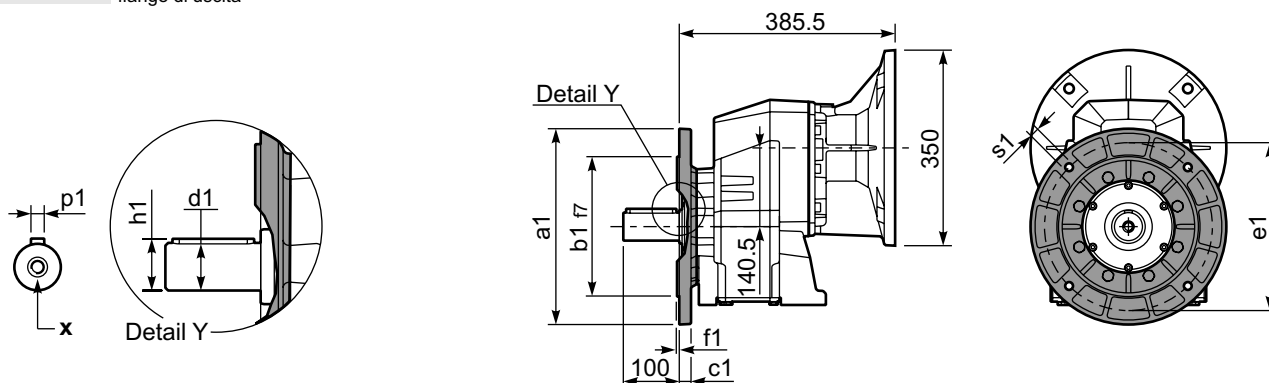
P901C-S8...

With feet
Con piediniGearbox
weight
peso riduttoreWith flange **102 kg**
With feet **110.5 kg**

Feet / piedini

Feet Code	Market reference	G	H	R	L	S	H1	O	Øl	B5 max. Flange	kit code
B6	612/3	25	195	250	180	300	422	25	18	-	KC90.9.022
S8	87	40	180	215	260	290	407	30	18	-	KC90.9.024
H7	027/273	40	225	250	245	300	452	55	22	-	KC90.9.023
HS	-	40	175	215	260	290	402	25	18	-	KC90.9.025
-	-	-	-	-	-	-	-	-	-	-	-

P901C-F...

Output flanges
flange di uscita

*Available output shaft / Albero di uscita

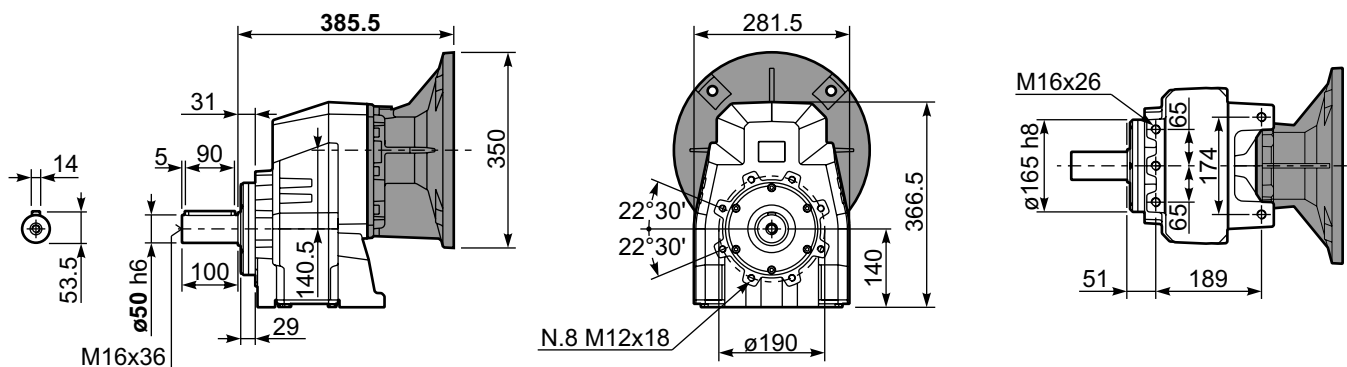
	Shaft - d1	p1	h1	x
Standard	Ø 50x100	14	53.5	M16x36
On request A richiesta	Ø 60x120	18	64	M20x42
	-	-	-	-

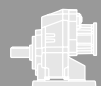
Available output flanges / flange di uscita

a1 Ø	b1	c1	e1	f1	s1	kit code
300	230	21	265	4	14	KC90.9.014
350	250	21	300	5	18	KC90.9.015
-	-	-	-	-	-	-

With flange and feet
only on request.
Ask for compatibility



P901C-N...

Basic gearbox
Riduttore base



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges			B14 motor flanges				Output Shaft 	Ratios code 
							G	H	I	-	-	-	-		
							132	160	180	-	-	-	-		
234	5.98	22	827	1.1	23.0	900				not available				3015	01
197	7.10	22	982	1.0	21.0	975								3013	02
162	8.63	18.5	1003	1.1	19.5	1100								3011	03
124	11.27	18.5	1310	1.0	18.0	1330								2015	04
105	13.38	15	1259	1.1	16.2	1420								2013	05
92	15.24	15	1434	1.0	15.0	1500								1615	06
86	16.26	15	1530	1.0	14.5	1545								2011	07
77	18.09	11	1251	1.2	13.0	1545								1613	08
71	19.82	11	1370	1.2	12.3	1600								1315	09
64	21.98	11	1520	1.1	11.5	1650								1611	10
60	23.53	11	1627	1.0	10.7	1650								1313	11
58	24.25	9	1430	1.2	10.4	1650								1115	12
48.6	28.80	9	1698	1.0	9.0	1700								1113	13
40.0	34.99	7.5	1660	1.0	7.4	1700								1111	14
33.6	41.64	7.5	1976	0.9	6.2	1700								813	15
27.7	50.60	5.5	1774	1.0	5.1	1700								811	16

The dynamic efficiency is **0.96** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

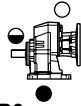
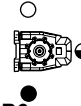
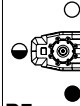
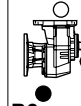
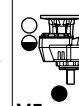
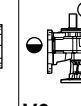
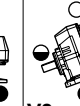
C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **902C** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore tipo **902C** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe der Baugröße **902C** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs - und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **902C** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

						
B3	B6	B7	B8	V5	V6	V8
5.90 LT	3.80 LT	3.80 LT	3.40 LT	6.70 LT	4.40 LT	Ask

AGIP Blasias 460

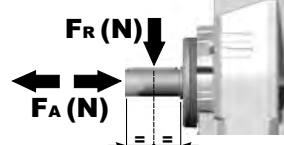
For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

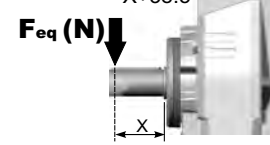
RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita



$$F_{eq} = F_R \cdot \frac{88.5}{X+38.5}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	1800	9000	140	2400	12000	70	3000	15000
250	2000	10000	120	2600	13000	40	3200	16000
200	2200	11000	85	2800	14000	15	4000	20000

On request reinforced bearings to increase loads.

A richiesta cuscinetti rinforzati per aumentare i carichi.

Input shaft

Albero in entrata



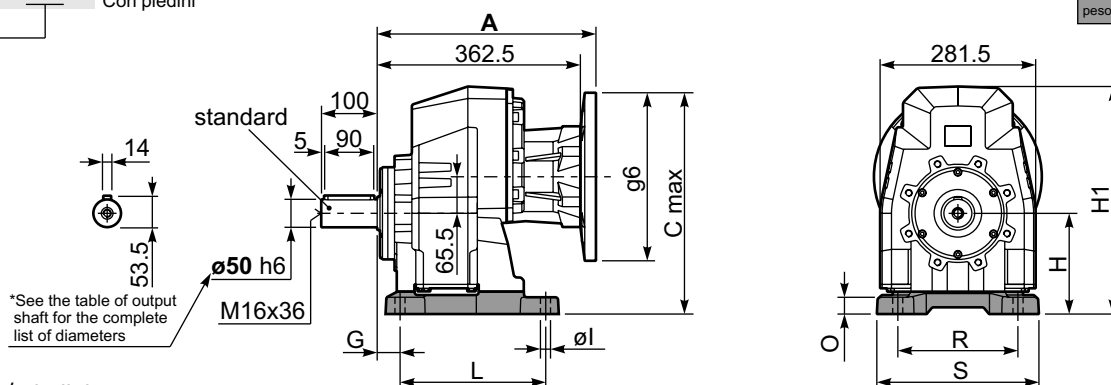
n_1	FA	FR
1400	700	3500
900	840	4200
500	900	4500

tab. 2

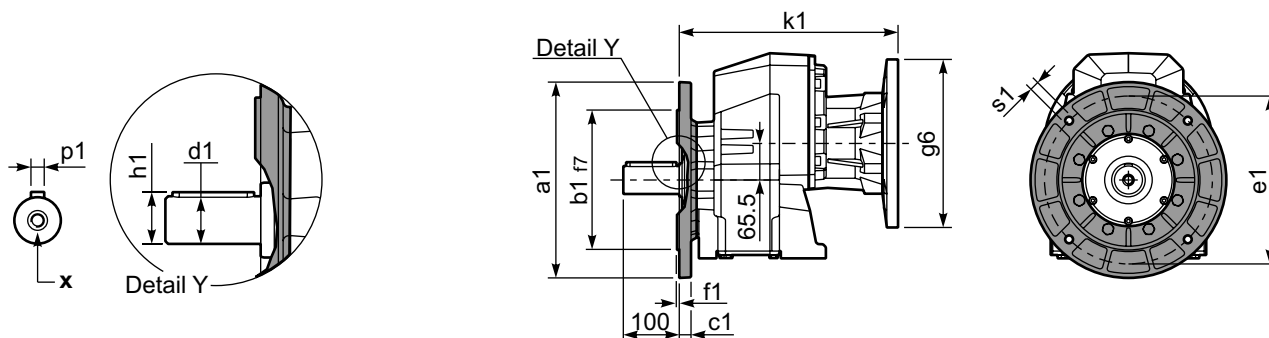
SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

With feet
Con piedini

Gearbox weight peso riduttore	With flange 98.5 kg
	With feet 107.0 kg

[illegible]

Output flanges
flange di uscita



	Shaft - d1	p1	h1	x
Standard	ø 50x100	14	53.5	M16x36
On request A richiesta	ø 60x120	18	64	M20x42
	-	-	-	-

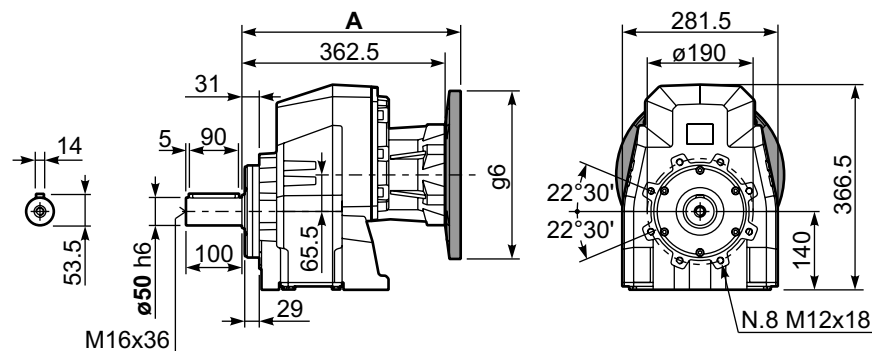
a1 Ø	b1	c1	e1	f1	s1	kit code
300	230	21	265	4	14	KC90.9.014
350	250	21	300	5	18	KC90.9.015
-	-	-	-	-	-	-



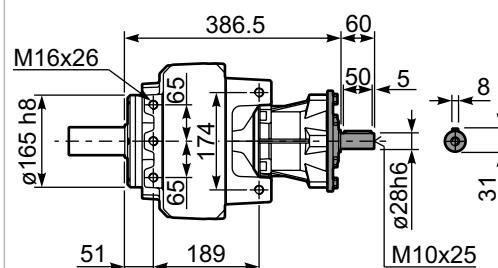
With flange and feet
only on request.
Ask for compatibility

Basic gearbox
Riduttore base

Input Shaft
Albero in entrata





B5 Motor Flanges	A	C_{max}	g6	k1	kit code
132 B5	391	440.5	300	391	KC90.4.042
160/180 B5	402	465.5	350	402	KC90.4.043





QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft  \varnothing	Ratios code 
							C	D	E	F	R	T	U	V		
							71	80	90	100 112	80	90	100 112	132		
28.8	48.55	5.5	1668	1.0	5.6	1750	B								201315	01
24.3	57.64	4	1449	1.2	4.9	1800	B								201313	02
21.3	65.64	4	1650	1.1	4.2	1750	B								161315	03
20.0	70.04	4	1760	1.0	4.0	1800	B								201311	04
18.0	77.93	3	1474	1.2	3.6	1800	B								161313	05
16.4	85.36	3	1615	1.1	3.2	1750	B								131315	06
14.8	94.70	3	1792	1.0	3.0	1800	B								161311	07
13.8	101.35	3	1917	0.9	2.8	1800	B								131313	08
11.4	123.15	2.2	1715	1.0	2.3	1800	B								131311	09
9.3	150.73	1.5	1447	1.2	1.9	1800	B								111311	10
7.8	179.39	1.5	1722	1.0	1.6	1800	B								81313	11
6.4	217.98	1.1	1528	1.2	1.3	1800	B								81311	12
5.7	247.03	1.1	1732	1.0	1.1	1800	B								61313	13
4.7	300.17	1.1	2105	0.9	0.94	1800	B								61311	14

The dynamic efficiency is **0.94** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **903C** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.

See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

For complete documentation please visit our web site.

I Il riduttore tipo **903C** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.

Tab.1 per oli e quantità consigliati.

Tab.2 carichi radiali e assiali applicabili al riduttore.

Per la documentazione completa consulta il nostro sito.

D Das Getriebe der Baugröße **903C** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.

In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben








In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

Die komplette Dokumentation, Wartungs - und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **903C** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. Ver tabla 1, para cantidades y aceites recomendados.

En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Para documentación completa, consultar nuestra Web.

						
B3	B6	B7	B8	V5	V6	V8
6.00 LT	4.10 LT	4.10 LT	3.70 LT	7.30 LT	4.90 LT	Ask

AGIP Blasias 460

For all details on lubrication and plugs check our website

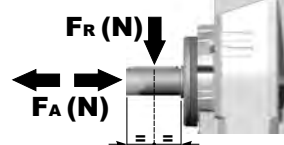
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

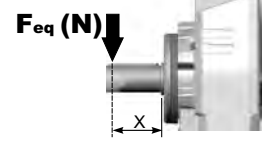
RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita



$$F_{eq} = F_R \cdot \frac{88.5}{X+38.5}$$



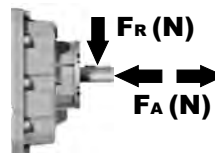
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	1800	9000	140	2400	12000	70	3000	15000
250	2000	10000	120	2600	13000	40	3200	16000
200	2200	11000	85	2800	14000	15	4000	20000

On request reinforced bearings to increase loads.

A richiesta cuscinetti rinforzati per aumentare i carichi.

Input shaft

Albero in entrata



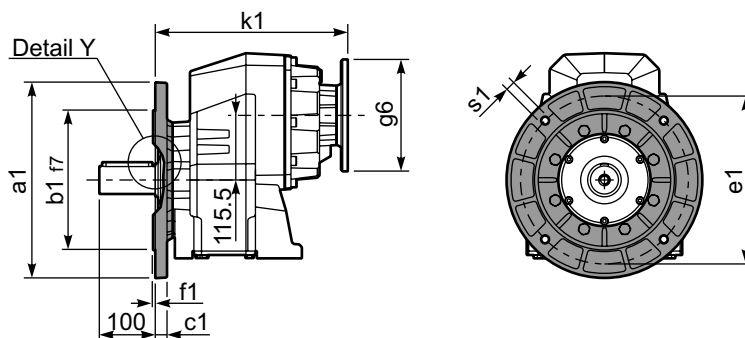
n_1	FA	FR
1400	450	2250
900	500	2500
500	600	3000

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.

Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

Gearbox weight	With flange 86.0 kg
peso riduttore	With feet 94.5 Kg

P903C-F...

	Shaft - d1	p1	h1	x
Standard	ø 50x100	14	53.5	M16x36
On request A richiesta	ø 60x120	18	64	M20x42
	-	-	-	-

a1 Ø	b1	c1	e1	f1	s1	kit code
300	230	21	265	4	14	KC90.9.014
350	250	21	300	5	18	KC90.9.015
-	-	-	-	-	-	-

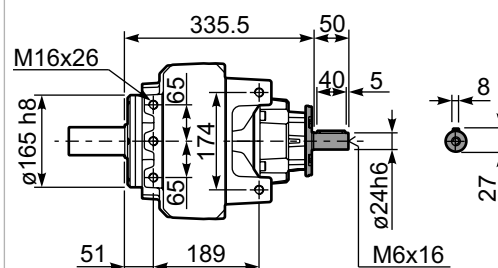
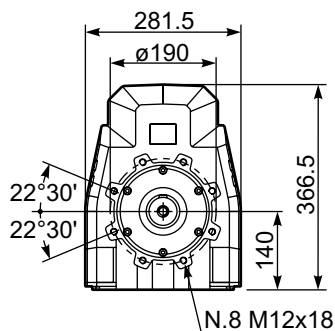


With flange and feet
only on request.
Ask for compatibility

P903C-N...

R903C-N...

Technical drawing of a mechanical component. The drawing shows a side view and a top view. The side view dimensions are: total length 323.5, base width 14, top flange width 96, base height 53.5, main body height 115.5, and a central section with a diameter of 100 and a length of 100. The top view shows a circular base with a diameter of 100 and a central hole with a diameter of 14. The component is labeled with the dimensions 100, 115.5, 323.5, 14, 53.5, 96, and 100. The drawing is labeled with the dimensions 100, 115.5, 323.5, 14, 53.5, 96, and 100.



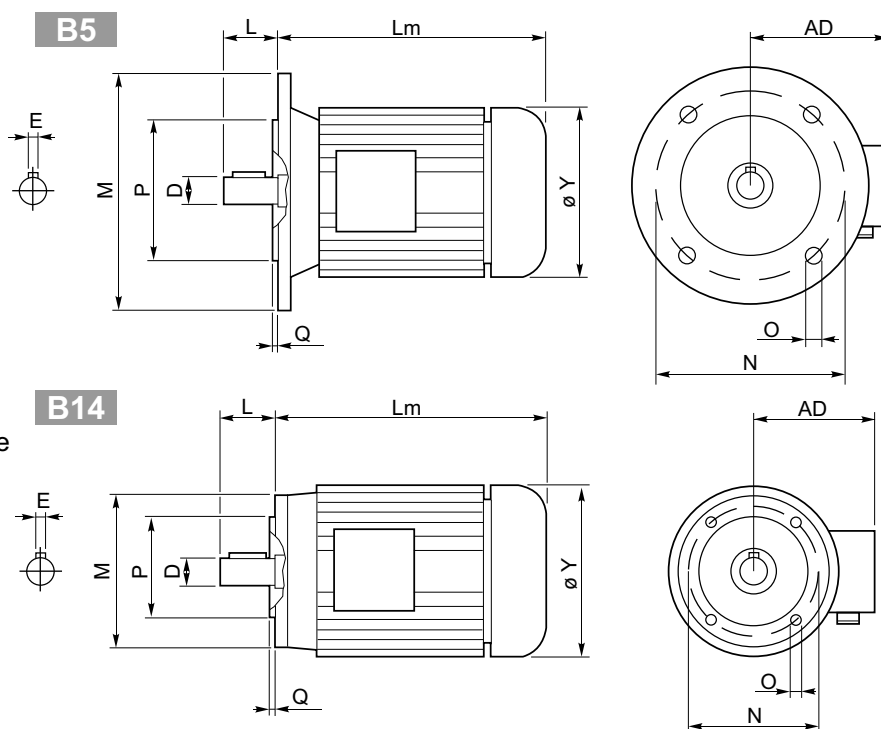
B5 Motor Flanges	A	C _{max}	g6	k1	kit code
71 B5	342	420.5	160	342.5	KC023.4.041
80/90 B5	344	440.5	200	344.5	KC023.4.042
100/112 B5	350	465.5	250	350.5	KC023.4.043

B14 Motor Flanges	A	C_{max}	g6	k1	kit code
80 B14	342	400.5	120	342	KC085.4.04
90 B14	342	410.5	140	342	KC085.4.04
100/112 B14	353	420.5	160	353	KC085.4.04
132 B14	371.5	440.5	200	371.5	KC50.4.041



- 1) 230/400V - 50Hz three-phase asynchronous induction motor
- 2) Class F insulation
- 3) S1 duty
- 4) IP 55 protection
- 5) Not painted
- 6) Hard plastic sleeve to protect output shaft during the transportation

- 1) 230/400V - 50Hz motore trifase asincrono
- 2) Isolamento Classe F
- 3) S1 servizio continuo
- 4) Protezione IP 55
- 5) Non verniciato
- 6) Manicotto di protezione per l'albero motore



Outside dimensions may be different according to manufacturers.

Le dimensioni esterne sono indicative, possono variare tra i vari costruttori.

	2 poli / poles			4 poli / poles			6 poli / poles			B5-B14						B5					B14					Kg
	kW	Nm	A (400V)	kW	Nm	A (400V)	kW	Nm	A (400V)	D	E	L	Lm	Y	AD	P	N	M	O	Q	P	N	M	O	Q	
56 A	0.09	0.32	0.38	0.06	0.44	0.27	—	—	—	9	3	20	179	108	96	80	100	120	7	2.5	50	65	80	M5	2.5	2.7
56 B	0.12	0.42	0.46	0.09	0.67	0.37	—	—	—																	2.9
63 A	0.18	0.63	0.60	0.12	0.84	0.50	0.09	0.99	0.57	11	4	23	185	120	99	95	115	140	9.5	3	60	75	90	M5	2.5	3.8
63 B	0.25	0.87	0.76	0.18	1.30	0.69	0.12	1.32	0.74																	4.2
71 A	0.37	1.30	1.00	0.25	1.70	0.91	0.18	1.90	0.80	14	5	30	-	130	104	110	130	160	9.5	3.5	70	85	105	M6	2.5	5.9
71 B	0.55	1.90	1.54	0.37	2.52	1.14	0.25	2.72	1.10				225	141	107											6.5
80 A	0.75	2.60	1.85	0.55	3.77	1.51	0.37	3.84	1.18	19	6	40	256	159	127	130	165	200	11.5	3.5	80	100	120	M6	3	8.5
80 B	1.1	3.90	2.64	0.75	5.11	2.57	0.55	5.84	1.80																	10
90 S	1.5	5.00	3.31	1.1	7.45	2.78	0.75	7.92	2.32	24	8	50	-	170	135	130	165	200	11.5	3.5	95	115	140	M8	3	12.5
90 L	2.2	7.50	4.46	1.5	10.2	3.61	1.1	11.6	3.45				280													15
100 LA	3.0	10.0	6.28	2.2	14.8	5.07	1.5	15.4	3.88	28	8	60	-	190	148	180	215	250	13	4	110	130	160	M8	3.5	20
100 LB	—	—	—	3.0	20.1	6.66	—	—	—																	22
112 M	4.0	13.4	8.10	4.0	26.7	8.55	2.2	22.6	5.30				321	210	164											35
132 S	5.5	18.3	11.2	5.5	36.5	11.4	3.0	30.2	7.20	38	10	80	375			230	265	300	14	4	130	165	200	M10	4	41
	7.5	24.9	15.3											244	180											51
132 M	—	—	—	7.5	49.4	15.0	4.0	40.0	9.13				420													51
				9.2	61.4	18.5																				
160 M	—	—	—	11	72	21.5	—	—	—	42	12	110	503	335	246	250	300	350	18	5	—	—	—	—	—	79.2
160 L	—	—	—	15	98	29	—	—	—				547													97.5
180 M	—	—	—	18.5	121	35.5	—	—	—	48	14	110	602	366	266	250	300	350	19	5	—	—	—	—	—	170
180 L	—	—	—	22	144	42	—	—	—																	



Metric electric motors are in aluminum.
On request they can be supplied with different
Level of protection and painted with 2 or 3
level of anticorrosive paint.

I motori metrici sono in alluminio,
su richiesta possono essere forniti
con differenti livelli di protezione e
verniciati con vernice
anticorrosiva.

**Protection**

Standard IP55
Please specify on purchase orders if you need a higher IP protection class.

Grado di protezione

IP55 Standard
Specificare in sede di ordinazione per IP superiore.

Schutzart

IP55 Standard.
Höheren IP Grad bitte im Auftrag angeben.

Grado de protección

IP55 standard.
Especificar en el pedido cuando necesiten protección IP superior.

Insulation

Standard Cl.F
To be specified upon placing the order if different insulation is required.

Isolamento

Cl.F Standard
Specificare in sede di ordinazione classe di isolamento diversa

Isolierung

Cl.F Standard.
Davon abweichende Isolierungsklas se im Auftrag angeben

Aislamiento

Cl.F standard.
Especificar al efectuar el pedido la clase diferente de aislamiento.

Insulation / Isolamento Isolierung / Aislamiento		E	B	F	H
Max. temp.	C°	120°	130°	155°	175°
	F*	248°	266°	311°	347°

Connections

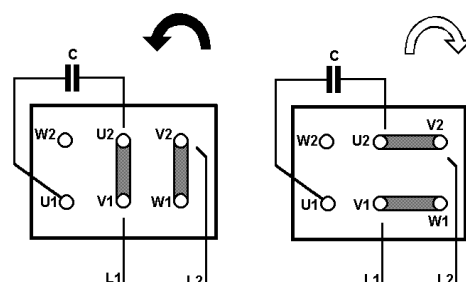
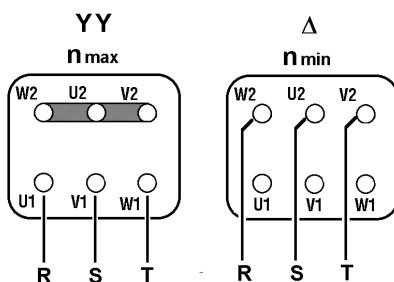
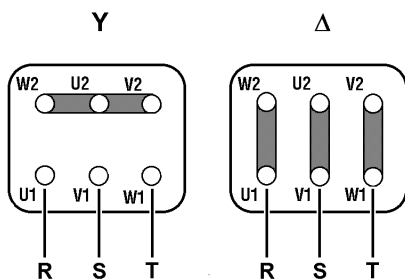
Threephase asynchronous single polarity
Asincrono trifase singola polarità
Asynchronmotor 3-ph eine Drehzahl
Asincrono trifasico de una velocidad

Collegamenti

Threephase asynchronous double polarity
Asincrono trifase doppia polarità
Asynchronmotor 3-ph doppelte Drehzahl
Asincrono trifasico de dos velocidades

Verbindungselemente**Conexiones**

Single phase asynchronous
Asincrono monofase
Einphasen-Asynchronmotor
Asincrono monofasico



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Please Read Carefully

The following WARNING and CAUTION information is supplied to you for your protection and to provide you with many years of trouble free and safe operation of your product.

Read ALL instructions prior to operating reducer. Injury to personnel or reducer failure may be caused by improper installation, maintenance or operation.

WARNING:

- Written authorization required to operate or use reducers in man lift or people moving devices.
- Check to make sure that certain applications do not exceed the allowable load capacities published in the current catalog.
- Buyer shall be solely responsible for determining the adequacy of the product for any and all uses to which Buyer shall apply the product. The application by Buyer shall not be subject to any implied warranty of fitness for a particular purpose.
- For safety, Buyer or User should provide protective guards over all shaft extensions and any moving apparatus mounted thereon. The User is responsible for checking all applicable safety codes in his area and providing suitable guards. Failure to do so may result in bodily injury and/or damage to equipment.
- Hot oil and reducers can cause severe burns. Use extreme care when removing lubrication plugs and vents.
- Make certain that the power supply is disconnected before attempting to service or remove any components. Lock out the power supply and tag it to prevent unexpected application power.
- Reducers are not to be considered fail safe or self-locking devices. If these features are required, a properly sized, independent holding device should be utilized. Reducers should not be used as a brake.
- Any brakes that are used in conjunction with a reducer must be sized or positioned in such a way so as to not subject the reducer to loads beyond the catalog rating.
- Lifting supports including eyebolts are to be used for vertically lifting the gearbox only and not other associated attachments or motors.
- Use of an oil with an EP additive on units with backstops may prevent proper operation of the backstop. Injury to personnel, damage to the reducer or other equipment may result.
- Overhung loads subject shaft bearings and shafts to stress which may cause premature bearing failure and or shaft breakage from bending fatigue, if not sized properly.

SELLING CONDITIONS

Warranty for manufacturing defects will expire one-year the invoicing date. Hydro-Mec will replace or repair defective parts but will not accept any further changes for direct or indirect damages of any kind. The warranty will become null and void if repairs or changes are carried out without our prior written authorization.

Our company will not be responsible for any direct or indirect damages, caused by a wrong use of the products or for not observing the catalogue/web indication

Leggere attentamente

Le seguenti raccomandazioni sono fondamentali per la vostra protezione e per garantirvi molti anni di sicuro funzionamento del vostro prodotto senza alcun problema.

Leggere attentamente tutte le istruzioni prima di azionare il riduttore. L'inappropriata installazione, manutenzione o funzionamento del riduttore può causare incidenti al personale addetto e danni al riduttore stesso.

ATTENZIONE!

- E' richiesta autorizzazione scritta per azionare riduttori in ascensori o dispositivi per il movimento delle persone.
- Controllare che alcune applicazioni non eccedano la massima capacità di carico ammessa pubblicata in questo catalogo.
- L'acquirente è l'unico responsabile per la determinazione dell'adeguatezza del prodotto per qualcuna o tutte le utilizzazioni che l'acquirente stesso farà del riduttore. L'applicazione dell'acquirente non potrà essere soggetta ad alcuna implicita garanzia di montaggio per uno scopo particolare.
- Per ragioni di sicurezza l'acquirente dovrà provvedere a porre protezioni adeguate su tutta la lunghezza dell'albero a tutti gli organi in movimento. L'utilizzatore è responsabile del controllo di tutti i codici di sicurezza e la predisposizione di protezioni adeguate. In assenza di tali precauzioni si possono verificare incidenti alle persone e danni agli apparati.
- Olio e riduttori bollenti possono causare gravi ustioni. Usare estrema cautela nella rimozione dei tappi e delle ventole.
- Assicurarsi che la corrente di alimentazione sia scollegata prima di riparare o rimuovere alcun componente. Chiudere l'alimentazione e contrassegnare tale operazione per evitare accensioni accidentali.
- I riduttori non devono essere considerati esenti da guasti o a bloccaggio automatico. Se sono indispensabili queste caratteristiche, deve essere utilizzato un dispositivo indipendente della dimensione adatta. I riduttori non devono essere utilizzati come freni.
- Qualsiasi freno sia utilizzato insieme al riduttore deve essere della giusta grandezza e posizionato in modo da non causare carichi eccessivi non previsti dai dati forniti nel catalogo.
- I dispositivi di sollevamento come le golfare devono essere usati solo per sollevare verticalmente il riduttore e non altri dispositivi associati o motori.
- L'utilizzo di un olio con un additivo EP su gruppi provvisti di dispositivo di arresto possono inficiare l'uso corretto del freno e provocare danni alle persone, alle cose ed al riduttore stesso nonché ad altri apparecchi.
- I Carichi sospesi assoggettano i cuscinetti della vite e la vite stessa a sollecitazioni che possono causare, se non adeguatamente dimensionati, l'usura prematura dei cuscinetti e/o la rottura della vite a causa della resistenza alla flessione.

CONDIZIONI DI VENDITA

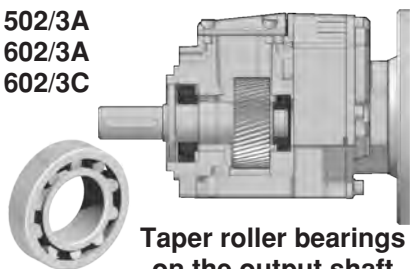
La garanzia relativa a difetti di costruzione ha la durata di un anno dalla data di fatturazione della merce. Tale garanzia comporta per Hydro-mec l'onere della sostituzione o riparazione delle parti difettose ma non ammette ulteriori addebiti per eventuali danni diretti o indiretti di qualsiasi natura.

La garanzia decade nel caso in cui siano state eseguite riparazioni o apportate modifiche senza nostro consenso scritto.

La nostra ditta non si ritiene responsabile per eventuali danni diretti o indiretti derivanti da un uso improprio dei prodotti e dalla mancata osservanza delle indicazioni riportate a catalogo o web..

New options available

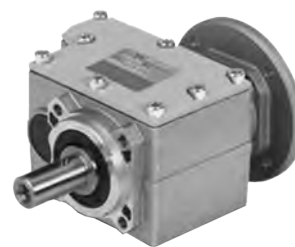
502/3A
602/3A
602/3C



Taper roller bearings
on the output shaft



Special
output shaft



202A
302A
452A

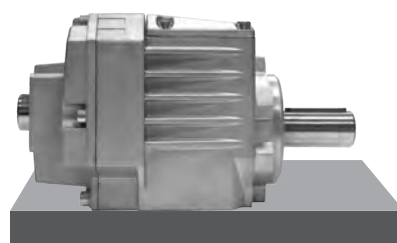
Special Compact types



Special
Flanges



Special
Feet



Compact base locking

Others HYDRO-MEC products



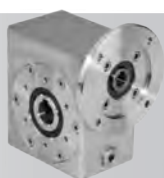
Worm gearboxes
Rid. a vite senza fine



S series square worm gearboxes
Rid. a vite senza fine quadro serie S



Square worm gearboxes
Rid. a vite senza fine quadro



Stainless steel worm gearboxes
Rid. a vite senza fine Inox



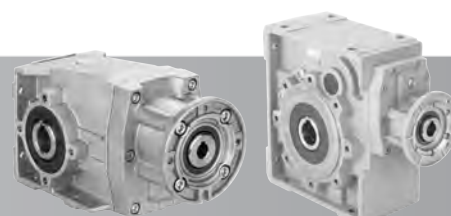
Stainless steel coaxial gearboxes
Riduttori coassiali Inox



Shaft mounted gearboxes
Riduttori pendolari



Shaft mounted gearboxes
Riduttori pendolari



Helical bevel gearboxes
Rid. a coppia conica

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