


**QUICK SELECTION / Selezione veloce**

input speed (n<sub>1</sub>) = 1400 min<sup>-1</sup>

Output Speed n <sub>2</sub> [min <sup>-1</sup> ]	Ratio i	Motor power P <sub>1M</sub> [kW]	Output torque M <sub>2M</sub> [Nm]	Service factor f.s.	Nominal power P <sub>1R</sub> [kW]	Nominal torque M <sub>2R</sub> [Nm]	Available B5 motor flanges					Available B14 motor flanges				Output Shaft 	Ratios code	
							-C	-D	-E	-F	-G	-R	-T	-U	-V			
							71	80	90	100* 112	132*	80	90	100 112	132			
388	3.61	5.5	127	1.2	6.3	150	B										3018	01
331	4.23	5.5	148	1.1	6.1	170	B										3016	02
279	5.01	5.5	176	1.1	6.1	200	B										3014	03
231	6.07	5.5	213	1.2	6.3	250	B										3012	04
206	6.81	5.5	239	1.3	6.7	300	B										2018	05
176	7.96	5.5	279	1.2	6.3	330	B										2016	07
148	9.45	5.5	331	1.1	5.7	354	B										2014	08
122	11.43	4	293	1.1	4.4	326	B										2012	09
99	14.21	3	274	0.9	2.7	250	B										2010	10
84	16.62	3	321	1.1	3.3	354	B										1314	11
70	20.10	2.2	286	1.1	2.5	326	B										1312	12
57	24.61	2.2	350	0.9	2.0	326	B										1112	20
56	24.98	1.5	245	1.0	1.5	250	B										1310	13
47.6	29.41	1.5	288	1.2	1.8	354	B										814	14
39.3	35.58	1.5	349	0.9	1.4	326	B										812	15
34.6	40.50	1.1	290	1.0	1.1	295	B										614	16
31.7	44.23	1.1	316	0.8	0.86	250	B										810	17
28.6	49.00	1.1	351	0.9	1.0	326	B										612	18
23.0	60.90	0.75	299	0.8	0.63	250	B										610	19

standard  
ø30  
ø24  
ø25  
ø28  
ø35  
On request

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.

**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.

**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.

**F** Le réducteur 502A est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien. Voir tableau 1 concernant les huiles et les quantités conseillées. Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

**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.


Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
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 **tab. 1**  
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

### RADIAL AND AXIAL LOADS

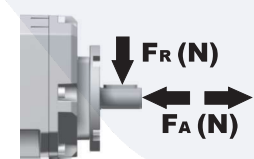
**Output shaft**  
Albero di uscita

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



n <sub>2</sub>	FA	FR	n <sub>2</sub>	FA	FR	n <sub>2</sub>	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

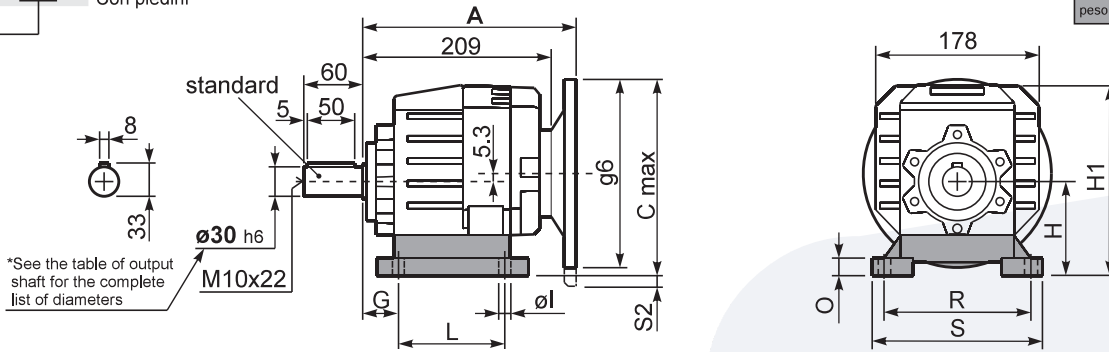


n <sub>1</sub>	FA	FR
1400	450	2250
900	500	2500
500	600	3000

**tab. 2**

**P502A-B1** ... With feet  
Con piedini

Gearbox weight  
peso riduttore With flange **11.7 kg**  
With feet **11.9 kg**



**Feet / piedini**

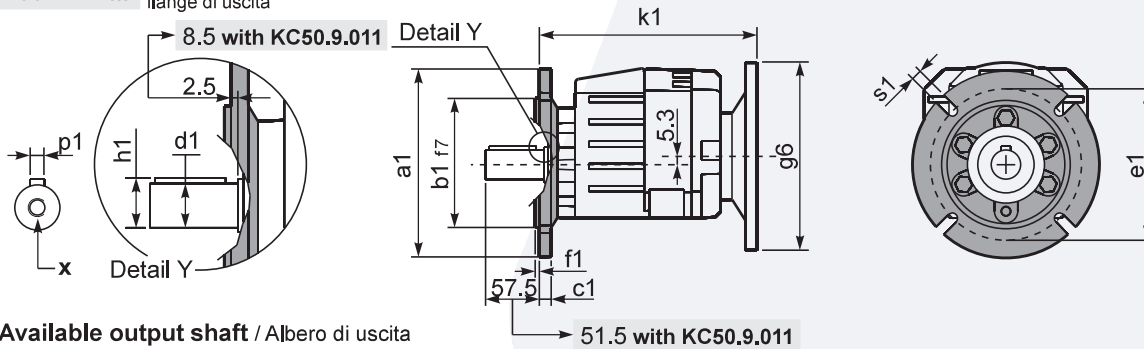
Feet Code	Market reference	G	H	R	L	S	H1	O	øl	S2 only with motor flange	B5 max. Flange	kit code
B3	312/3	18	110	160	130	190	211.5	20	11	10 100/112B5 35 132B5	-	KC50.9.024
B4	30/35	20	130	180	149.5	216	231.5	18	14	15 132B5	-	KC60.9.024
S4	47-57	30	115	135	165	170	216.5	24	13.5	5 100/112B5 30 132B5	-	KC50.9.022
H3	023-233	30	130	135	135	185	231.5	25	14	15 132B5	-	KC50.9.025
M2	52/3	30	110	135-150	100	190	211.5	18	11	10 100/112B5 35 132B5	-	KC50.9.023
L6	06	19	125	160	106	205	226.5	8	14	20 132B5	-	KC50.9.026LM
E2	2202/3	13	100	135	192	164	201.5	6	14	20 100/112B5 45 132B5	-	KC50.9.027LM

Other feet are available, please contact Alpathek for information.

**A see on page bottom**

Most popular types  
Tipi più diffusi

**P502A-F** ... Output flanges  
flange di uscita



\*Available output shaft / Alberi di uscita

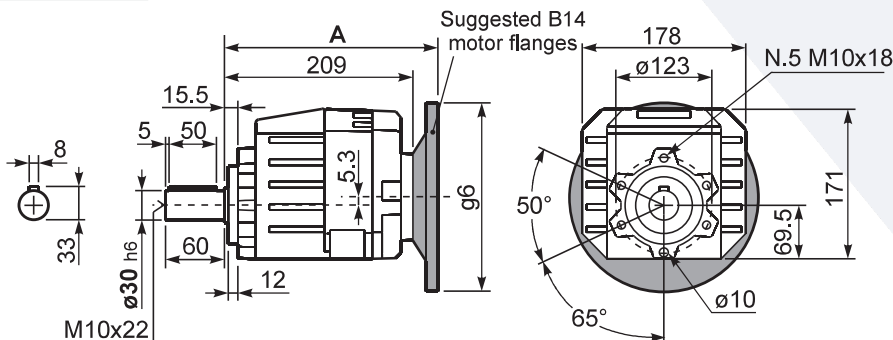
	Shaft - d1	p1	h1	x
Standard	ø 30x60	8	33	M10x22
On request A richiesta	ø 24x50	8	27	M8x19
	ø 25x50	8	28	M8x19
	ø 28x60	8	31	M8x19
	ø 35x60	10	38	M10x22

Available output flanges / flange di uscita

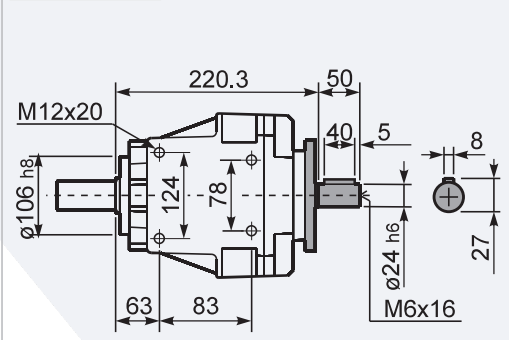
a1 ø	b1	c1	e1	f1	s1	kit code
160	110	14	130	3.5	11	KC50.9.011
200	130	13	165	3.5	11	KC50.9.012
250	180	15.5	215	4	14	KC50.9.013

With flange and feet only on request. Ask for compatibility

**P502A-N** ... Basic gearbox  
Riduttore base



**R502A-N** ... Input Shaft  
Albero in entrata



B5 Motor Flanges	A	C <sub>max</sub>	g6	k1	kit code	k1 with KC50.9.011	B14 Motor Flanges	A	C <sub>max</sub>	g6	k1	kit code	k1 with KC50.9.011
71 B5	227.5	227.3	160	230	K023.4.041	236	80 B14	229.5	207.3	120	232	K085.4.046	238
80/90 B5	229.5	247.3	200	232	K023.4.042	238	90 B14	229.5	217.3	140	232	K085.4.045	238
100/112 B5	238.5	272.3	250	241	K023.4.043	247	100/112 B14	238.5	227.3	160	241	K085.4.047	247
132 B5	256.5	297.3	300	259	KC50.4.043	265	132 B14	256.5	247	200	259	KC50.4.041	265