



## QUICK SELECTION / Selezione veloce

input speed ( $n_1$ ) = 1400 min<sup>-1</sup>

Output Speed $n_2$ [min <sup>-1</sup> ]	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	
							C	D	E	F	G	R	T	U	V			
							71	80	90	100 112	132	80	90	100 112	132			
45.6	<b>30.70</b>	7.5	1399	1.1	8.3	1600	B										30132913	01
37.9	<b>36.97</b>	7.5	1685	0.9	6.9	1600	B										30132911	02
29.0	<b>48.26</b>	5.5	1625	1.0	5.3	1600	B										20132915	03
24.2	<b>57.86</b>	4	1425	1.1	4.4	1600	B										20132913	04
21.5	<b>65.24</b>	4	1607	1.0	3.9	1600	B										16132915	05
20.1	<b>69.68</b>	4	1716	1.0	3.8	1650	B										20132911	06
17.9	<b>78.23</b>	3	1450	1.1	3.4	1650	B										16132913	07
16.5	<b>84.85</b>	3	1573	1.0	3.0	1600	B										13132915	08
14.9	<b>94.20</b>	3	1747	0.9	2.8	1650	B										16132911	09
13.8	<b>101.74</b>	3	1886	0.9	2.6	1650	B										13132913	10
11.4	<b>122.51</b>	2.2	1672	1.0	2.1	1650	B										13132911	11
9.3	<b>149.95</b>	1.5	1411	1.2	1.8	1650	B										11132911	12
7.8	<b>180.09</b>	1.5	1694	1.0	1.5	1650	B										8132913	13
6.8	<b>206.81</b>	1.1	1421	1.1	1.2	1600	B										6132915	14
6.5	<b>216.85</b>	1.1	1490	1.1	1.2	1650	B										8132911	15
5.6	<b>247.99</b>	1.1	1704	1.0	1.1	1650	B										6132913	16
4.7	<b>298.61</b>	0.75	1407	1.2	0.88	1650	B										6132911	17

The dynamic efficiency is 0.92 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 X94C 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.

**I** Il riduttore tipo X94C 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.

**D** Das Getriebe der Baugröße X94C 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.

**F** Le réducteur de type X94C est fourni sans lubrification et avec un bouchon de remplissage, de niveau et d'évacuation de l'huile. L'utilisateur peut y verser de l'huile minérale en conservant les bouchons existants. S'il y versera de l'huile synthétique, il devra substituer les bouchons existants avec d'autres bouchons de type fermé. Voir tableau 1 concernant les huiles et les quantités conseillées. Voir tableau 2 concernant les charges radiales et axiales applicables au réducteur

**E** El reductor tamaño X94C 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.

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
4.60 LT	3.90 LT	4.60 LT	5.30 LT	7.90 LT	5.60 LT	Ask
AGIP Blasias 460						

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

$F_{eq} = FR \cdot \frac{178.5}{X+228.5}$

$n_2$	FA	FR	$n_2$	FA	FR	$n_2$	FA	FR
300	1800	9000	140	2700	13500	70	3020	15100
250	2400	12000	120	2800	14000	40	3200	16000
200	2600	13000	85	2900	14500	15	3500	17500

**On request reinforced bearings to increase loads.**  
A richiesta cuscinetti rinforzati per aumentare i carichi.

**Input shaft**  
Albero di entrata

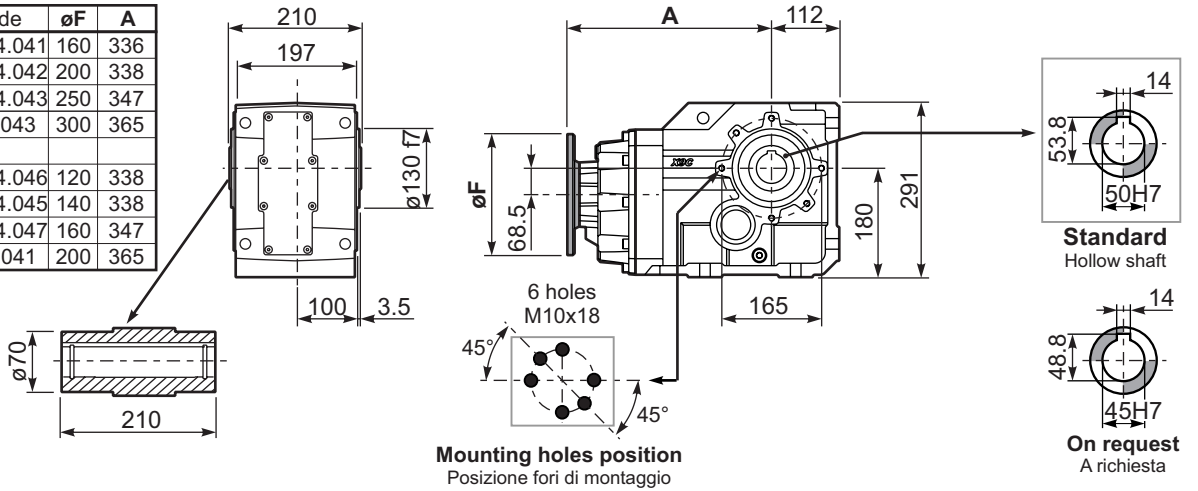
$n_1$	FA	FR
1400	450	2250
900	500	2500
500	600	3000

tab. 2

**PX94CC...** Basic Gearbox  
Riduttore base

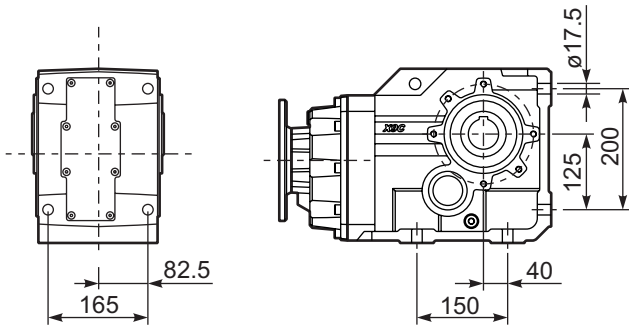
Gearbox weight **68.5 kg**  
peso riduttore

M. flanges	Kit code	øF	A
<b>71B5</b>	KC023.4.041	160	336
<b>80/90B5</b>	KC023.4.042	200	338
<b>100/112B5</b>	KC023.4.043	250	347
<b>132B5</b>	KC50.4.043	300	365
<b>80B14</b>	KC085.4.046	120	338
<b>90B14</b>	KC085.4.045	140	338
<b>100/112B14</b>	KC085.4.047	160	347
<b>132B14</b>	KC50.4.041	200	365

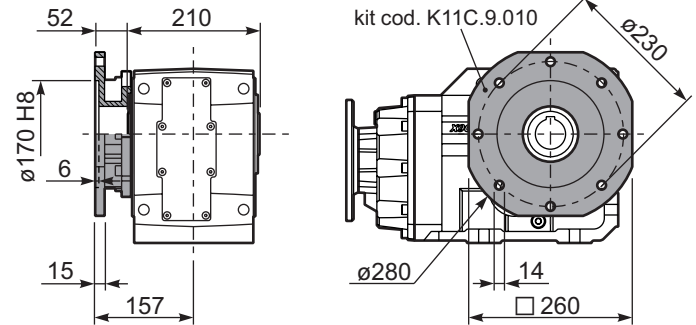


**Mounting holes position**  
Posizione fori di montaggio

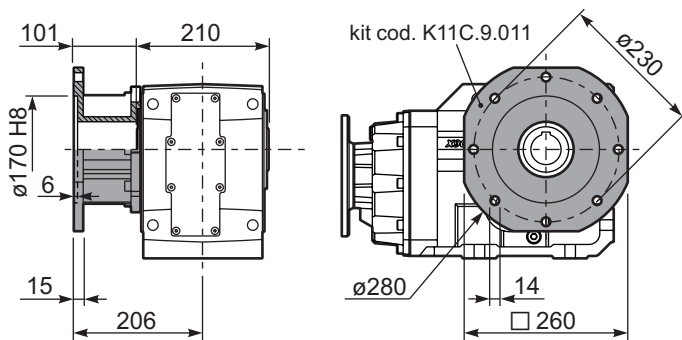
**PX94C...FB..** Feet  
Piedini



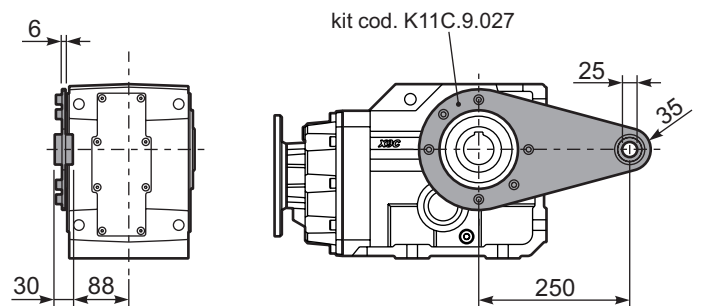
**PX94C...-FC..** Output flange  
Flangia uscita



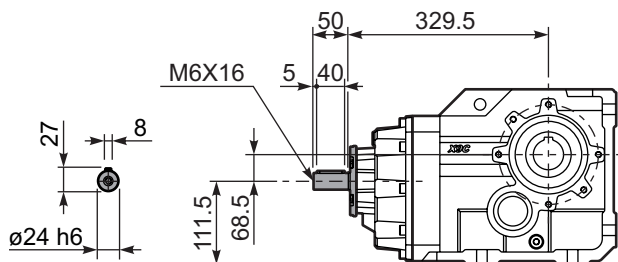
**PX94C...-FL..** Output flange  
Flangia uscita



**PX94C...BR..** Reaction Arm  
Braccio di reazione

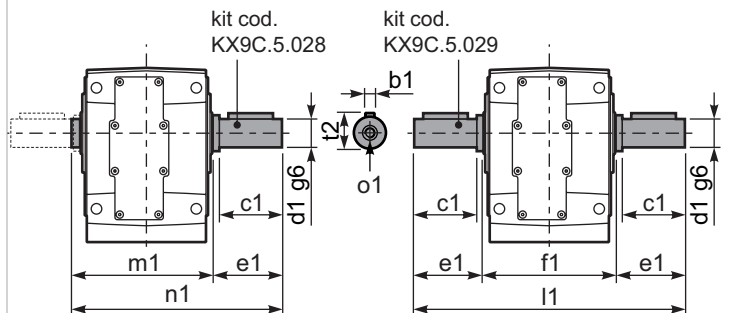


**RX94C...** Input shaft  
Albero in entrata



**PX94CA...** Single shaft  
Albero lento semplice

**PX94CB...** Double shaft  
Albero lento bisp.



	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
<b>Standard</b>	14	100	50	105	210	420	218	323	53.5	M16
-	-	-	-	-	-	-	-	-	-	-