

**QUICK SELECTION / Selezione veloce** The dynamic efficiency is **0.94** for all ratios **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 
							-B	-C	-O	-P	-Q		
							63	71	56	63	71		
38.7	<b>36.17</b>	0.37	86	1.2	<b>0.43</b>	<b>100</b>			C	C		17179	02
31.7	<b>44.21</b>	0.37	105	1.0	<b>0.35</b>	<b>100</b>			C	C		19139	03
27.6	<b>50.68</b>	0.25	81	1.2	<b>0.31</b>	<b>100</b>			C	C		17139	04
25.3	<b>55.36</b>	0.25	89	1.1	<b>0.28</b>	<b>100</b>			C	C		17177	05
23.2	<b>60.31</b>	0.25	96	1.0	<b>0.26</b>	<b>100</b>			C	C		15139	06
21.2	<b>65.88</b>	0.25	105	0.9	<b>0.24</b>	<b>100</b>			C	C		15177	07
19.4	<b>72.25</b>	0.18	88	1.1	<b>0.22</b>	<b>100</b>			C	C		10179	<b>standard</b> 08
17.6	<b>79.64</b>	0.18	97	1.0	<b>0.20</b>	<b>100</b>			C	C		13177	09
15.2	<b>92.31</b>	0.18	113	0.9	<b>0.17</b>	<b>100</b>			C	C		15137	10
14.6	<b>95.65</b>	0.18	117	0.9	<b>0.16</b>	<b>100</b>			C	C		9179	11
13.8	<b>101.23</b>	0.12	80	1.2	<b>0.15</b>	<b>100</b>			C	C		10139	12
11.0	<b>127.37</b>	0.12	101	1.0	<b>0.12</b>	<b>100</b>			C	C		7179	On request 13
9.3	<b>151.16</b>	0.09	95	1.0	<b>0.10</b>	<b>100</b>			C	C		6179	14
7.8	<b>178.46</b>	0.09	113	0.9	<b>0.09</b>	<b>100</b>			C	C		7139	15
6.6	<b>211.79</b>	0.06	88	1.1	<b>0.07</b>	<b>100</b>			C	C		6139	16
6.1	<b>231.37</b>	0.06	96	1.0	<b>0.07</b>	<b>100</b>			C	C		6177	17
5.1	<b>273.16</b>	0.06	113	0.9	<b>0.06</b>	<b>100</b>			C	C		7137	18
4.3	<b>324.18</b>	0.06	134	0.7	<b>0.05</b>	<b>100</b>			C	C		6137	19

**A** Motor Flanges Available Flange Motore Disponibili **B** Supplied with Reduction Bushing Fornito con Bussola di Riduzione **C** Available on Request without reduction bushing Disponibile a Richiesta senza Bussola di Riduzione **D** Motor Flange Holes Position Posizione Fori Flangia Motore

**EN** Unit **X33S** 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 **X33S** 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 **X33S** 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 **X33S** 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 **X33S** 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					
B3	B6	B7	B8	V5	V6	V8
0.70 LT	0.65 LT	0.40 LT	0.65 LT	0.95 LT	0.65 LT	Ask
<b>SHELL</b> Omala S4 WE 320				<b>ENI</b> Telium VSF 320		

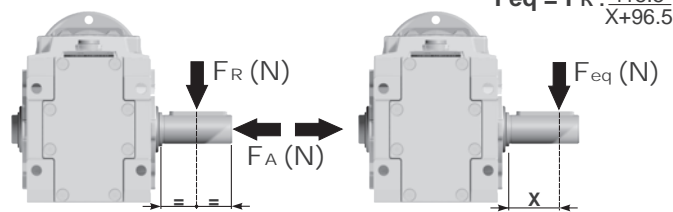
For all details on lubrication and plugs check our website **tab. 1**  
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

### RADIAL AND AXIAL LOADS

#### Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{115.5}{X+96.5}$$

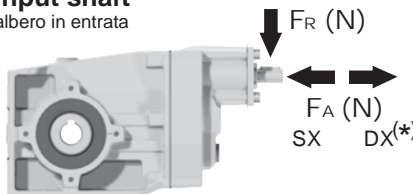


n <sub>2</sub> [min <sup>-1</sup> ]	FA	FR	n <sub>2</sub> [min <sup>-1</sup> ]	FA	FR	n <sub>2</sub> [min <sup>-1</sup> ]	FA	FR
250	400	2000	75	560	2800	15	560	2800
150	450	2250	50	560	2800			
100	500	2500	25	560	2800			

**F<sub>R</sub>** On request taper roller bearings to increase radial loads.  
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

#### Input shaft

albero in entrata



n <sub>1</sub> [min <sup>-1</sup> ]	FA	FR
1400	140	700
900	160	800
500	190	950

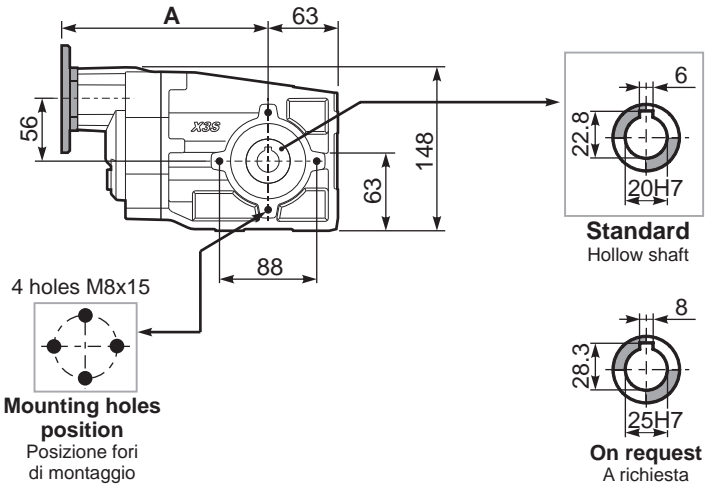
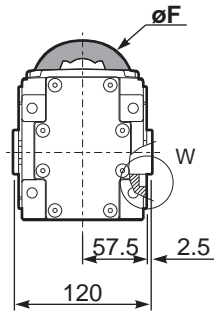
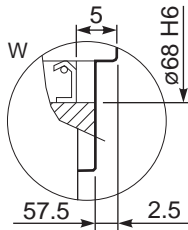
**\*Strong axial loads in the DX direction are not allowed.**  
Non sono consentiti forti carichi assiali con direzione DX

**tab. 2**

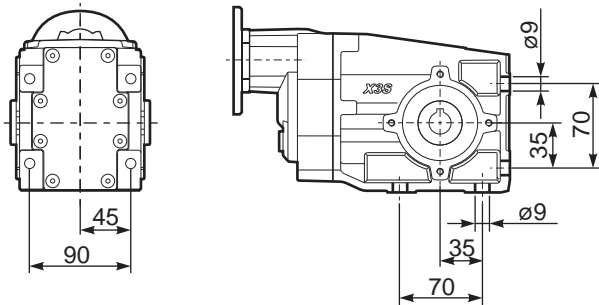
**PX33SC...** Basic Gearbox  
Riduttore base

Gearbox weight **6.55 kg**  
peso riduttore

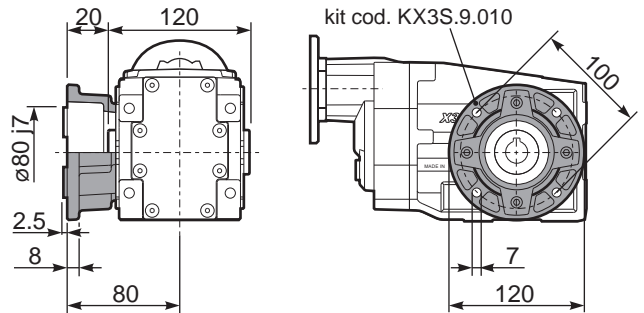
M. flanges	Kit code	øF	A
<b>63B5</b>	K050.4.041	138	189.5
<b>71B5</b>	K050.4.042	160	187
<b>56B14</b>	KC40.4.049	80	187
<b>63B14</b>	K050.4.047	90	189.5
<b>71B14</b>	K050.4.045	105	187



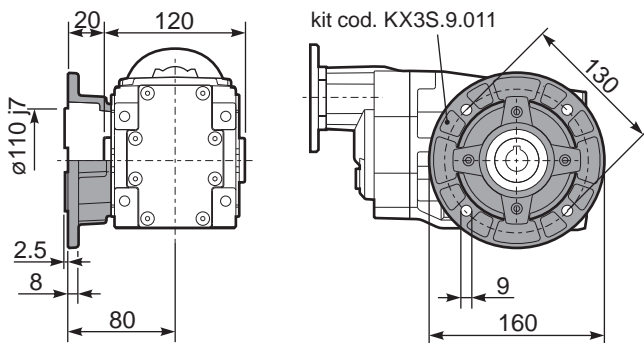
**PX33S...FB..** Feet  
Piedini



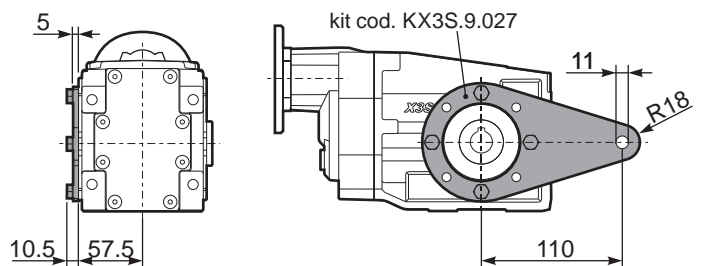
**PX33S...-F1..** Output flange  
Flangia uscita



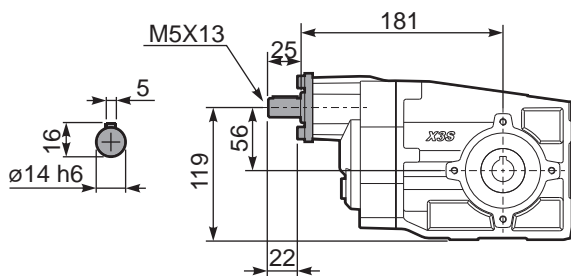
**PX33S...-F2..** Output flange  
Flangia uscita



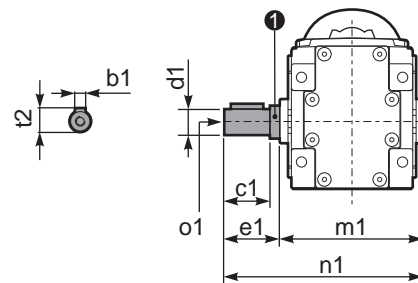
**PX33S...BR..** Reaction Arm  
Braccio di reazione



**RX33S...** Input shaft  
Albero in entrata



**PX33SA..** Single output shaft  
Albero semplice in uscita



d1	b1	c1	e1	m1	n1	t2	o1	① kit code
ø20 k6	6	37.5	40	120	160	22.5	M8x20	KX2S.5.028
ø25 <sup>-0.005</sup> <sub>-0.020</sub>	8	60	63.2	126.8	190	28	M8x20	K063.5.028