

### 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]	B5 motor flanges			B14 motor flanges		Output Shaft 	Ratios code
							-F	-G	-H	-U	-V		
							100 112	132	160	100 112	132		
28.8	<b>48.57</b>	15	4390	1.0	<b>14.8</b>	<b>4500</b>					30142911	01	
20.5	<b>68.43</b>	11	4545	1.0	<b>10.7</b>	<b>4600</b>					20142914	02	
18.7	<b>74.95</b>	11	4977	0.9	<b>9.8</b>	<b>4600</b>					20142913	03	
15.1	<b>92.53</b>	7.5	4216	1.1	<b>7.9</b>	<b>4600</b>					16142914	04	
13.8	<b>101.33</b>	7.5	4617	1.0	<b>7.2</b>	<b>4600</b>					16142913	05	
11.6	<b>120.33</b>	5.5	4051	1.1	<b>6.1</b>	<b>4600</b>					13142914	06	
11.3	<b>123.75</b>	5.5	4166	1.1	<b>5.8</b>	<b>4500</b>					16142911	07	
10.6	<b>131.78</b>	5.5	4436	1.0	<b>5.6</b>	<b>4600</b>					13142913	08	
9.5	<b>147.28</b>	5.5	4958	0.9	<b>5.0</b>	<b>4600</b>					11142914	09	
8.7	<b>161.30</b>	4	3972	1.2	<b>4.5</b>	<b>4600</b>					11142913	10	
7.1	<b>196.98</b>	3	3652	1.2	<b>3.6</b>	<b>4500</b>					11142911	11	
6.6	<b>212.99</b>	3	3949	1.2	<b>3.4</b>	<b>4600</b>					8142914	12	
6.0	<b>233.26</b>	3	4324	1.1	<b>3.1</b>	<b>4600</b>					8142913	13	
4.9	<b>284.86</b>	2.2	3889	1.2	<b>2.5</b>	<b>4500</b>					8142911	14	

The dynamic efficiency is **0.92** for all ratios

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

**EN** Unit X114 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 X114 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 X114 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 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 X114 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 X114 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
14.50 LT	8.50 LT	16.50 LT	16.00 LT	23.00 LT	14.50 LT	Ask
SHELL Omala S2 GX 460			ENI Blasia 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

$$F_{eq} = F_R \cdot \frac{325.5}{X+255.5}$$

n <sub>2</sub>	FA	FR	n <sub>2</sub>	FA	FR	n <sub>2</sub>	FA	FR
300	2100	10500	140	3100	15500	70	4200	21000
250	2600	13000	120	3240	16200	40	5600	28000
200	3000	15000	85	3600	18000	15	8000	40000

**Input shaft**  
Albero in entrata

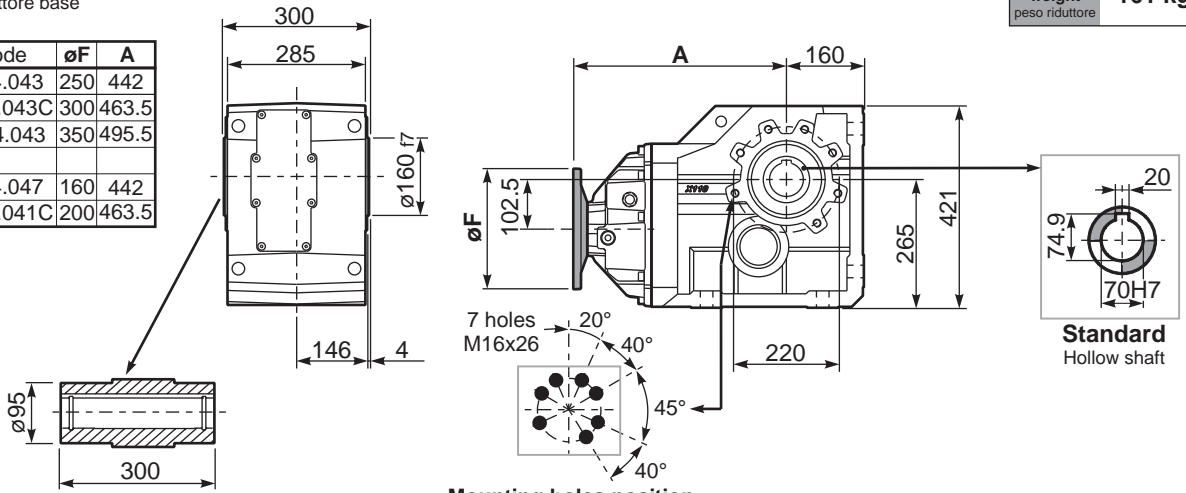
n <sub>1</sub>	FA	FR
1400	700	3500
900	840	4200
500	900	4500

tab. 2

**PX114C...** Basic Gearbox  
Riduttore base

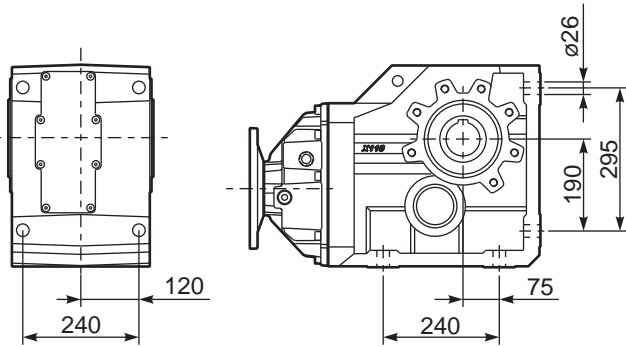
Gearbox weight **161 kg**  
peso riduttore

M. flanges	Kit code	øF	A
100/112B5	K023.4.043	250	442
132B5	KC51.4.043C	300	463.5
160B5	KC86.4.043	350	495.5
100/112B14	K085.4.047	160	442
132B14	KC51.4.041C	200	463.5

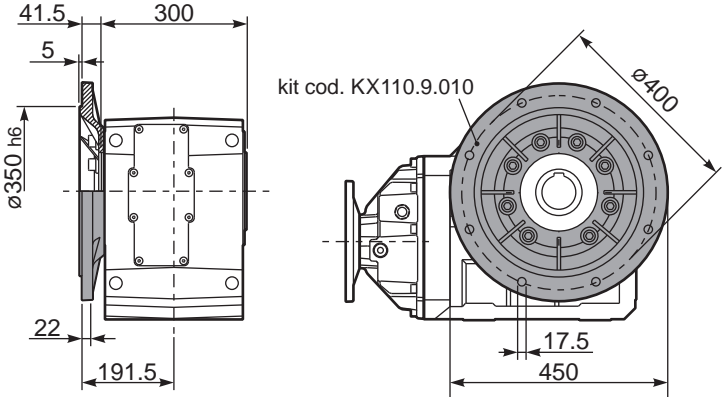


**Mounting holes position**  
Posizione fori di montaggio

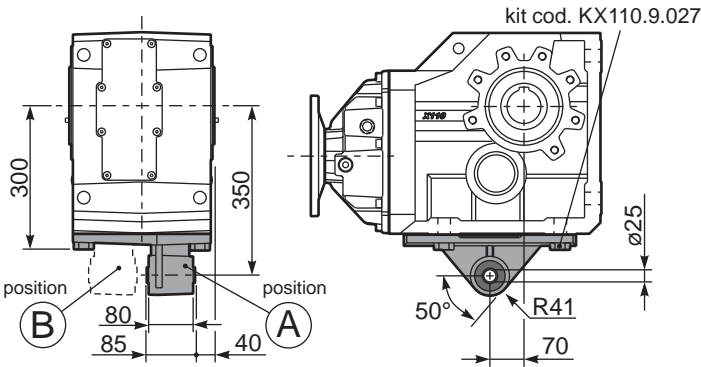
**PX114...FB..** Feet  
Piedini



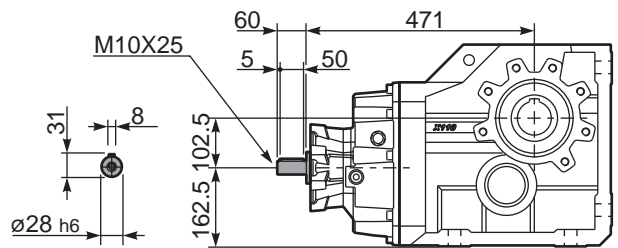
**PX114...-F7..** Output flange  
Flangia uscita



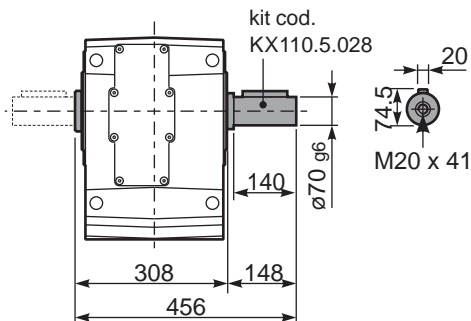
**PX114...BR..** Reaction Arm  
Braccio di reazione



**RX114...** Input shaft  
Albero in entrata



**PX114A...** Single shaft  
Albero lento semplice



**PX114B...** Double shaft  
Albero lento bisp.

