


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

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]	B5 motor flanges		B14 motor flanges			Output shaft 	Ratio code
							-	-	-Q	-R	-T		
							-	-	71	80	90		
192	<b>7.29</b>	1.5	71	1.1	<b>1.7</b>	<b>80</b>			C	C		2811	01
125	<b>11.20</b>	1.5	110	1.2	<b>1.8</b>	<b>130</b>			C	C		288	02
106	<b>13.18</b>	1.5	129	1.0	<b>1.5</b>	<b>130</b>			C	C		1911	03
92	<b>15.27</b>	1.1	109	1.2	<b>1.3</b>	<b>130</b>			C	C		1711	04
78	<b>17.93</b>	1.1	128	1.0	<b>1.1</b>	<b>130</b>			C	C		1511	05
69	<b>20.25</b>	1.1	145	0.9	<b>0.98</b>	<b>130</b>			C	C		198	06
65	<b>21.40</b>	0.75	105	1.2	<b>0.93</b>	<b>130</b>			C	C		1311	07
60	<b>23.47</b>	0.75	115	1.1	<b>0.85</b>	<b>130</b>			C	C		178	08
51	<b>27.55</b>	0.75	135	1.0	<b>0.72</b>	<b>130</b>			C	C		158	09
47.9	<b>29.21</b>	0.75	143	0.9	<b>0.68</b>	<b>130</b>			C	C		1011	10
42.6	<b>32.88</b>	0.55	119	1.1	<b>0.60</b>	<b>130</b>			C	C		138	11
36.7	<b>38.12</b>	0.55	138	0.9	<b>0.52</b>	<b>130</b>			C	C		911	12
31.2	<b>44.89</b>	0.37	109	1.2	<b>0.44</b>	<b>130</b>			C	C		108	13
27.8	<b>50.34</b>	0.37	122	0.9	<b>0.33</b>	<b>110</b>			C	C		711	14
23.9	<b>58.58</b>	0.37	142	0.9	<b>0.34</b>	<b>130</b>			C	C		98	15
18.1	<b>77.36</b>	0.25	126	1.0	<b>0.26</b>	<b>130</b>			C	C		78	16

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

## Lubrication

Lubrificazione

Unit X42N is supplied with synthetic oil to assure long life lubrication.  
Food grade oil is available on request.

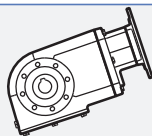
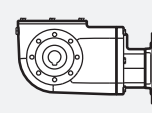
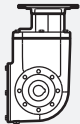
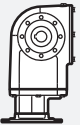
See Table 1 for lubrication and recommended quantity.

See Table 2 for possible radial and axial loads on the gearbox.

Il riduttore tipo X42N viene fornito con olio sintetico e lubrificazione tipo "long life".  
Disponibile a richiesta olio alimentare.

Vedi Tabella 1 per oli e quantità consigliati.

Vedi Tabella 2 per i carichi radiali e assiali applicabili al riduttore.

Shell	Eni	V8	
Omala S4 WE 320	Telium VSF 320	On request ASK	
B3		B8	
Standard 0.50 L		On request 0.85 L	
B6		V5	
On request 0.80 L		On request 1.30 L	
B7		V6	
On request 0.75 L		On request 0.90 L	

For more 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

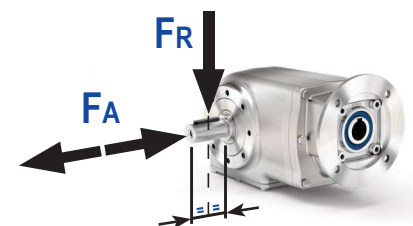
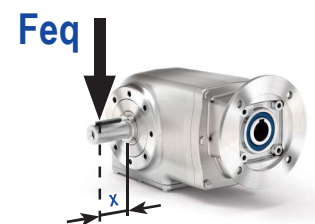
Carichi radiali e assiali

### Output shaft

Albero di uscita

$n_2$ [min <sup>-1</sup> ]	$F_A$ [N]	$F_R$ [N]
250	500	2500
150	600	3000
100	700	3500
75	800	4000
50	960	4800
25	960	4800
15	960	4800

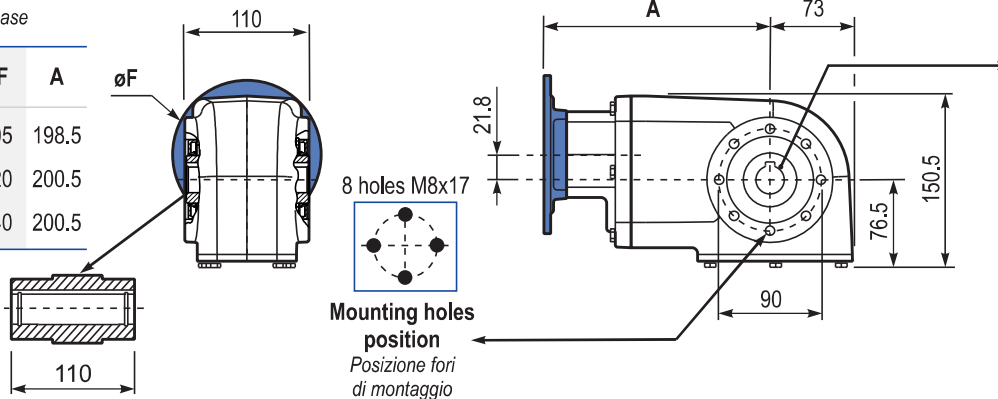
$$F_{eq} = F_R \cdot \frac{123}{X + 97}$$



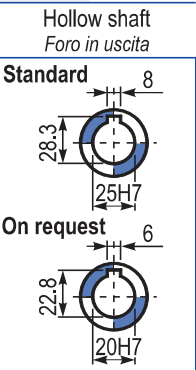
Tab. 2

**PX42N...FB** Basic gearbox  
Riduttore base

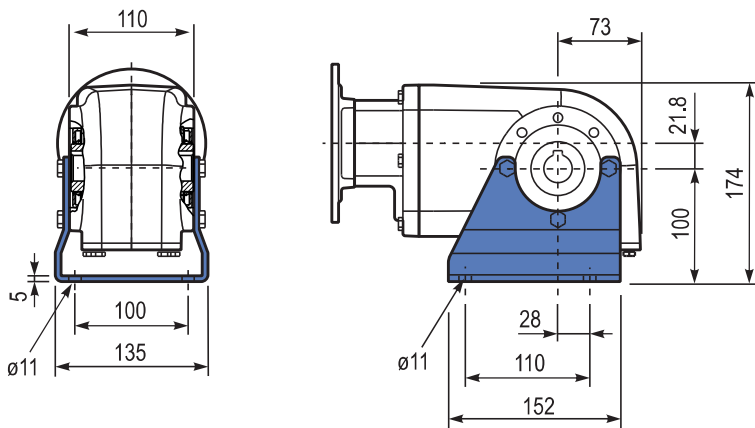
M. flanges	Kit code	øF	A
71B14	KI634047	105	198.5
80B14	KI634046	120	200.5
90B14	KI634041	140	200.5



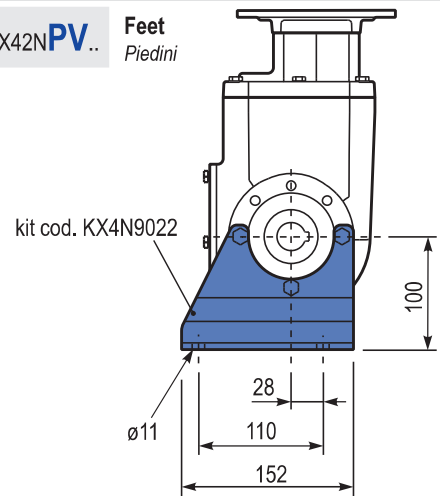
Gearbox weight  
peso riduttore **12.8 kg**



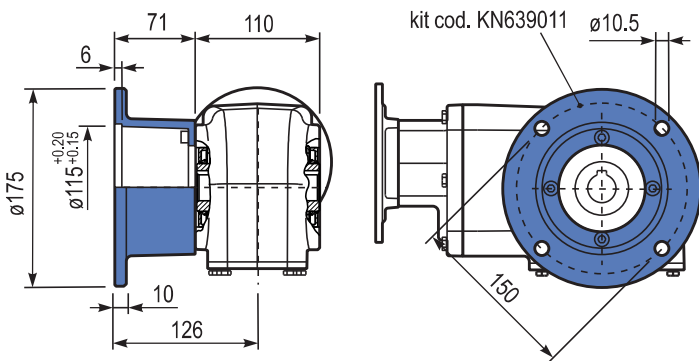
**PX42NPA..** Feet  
Piedini



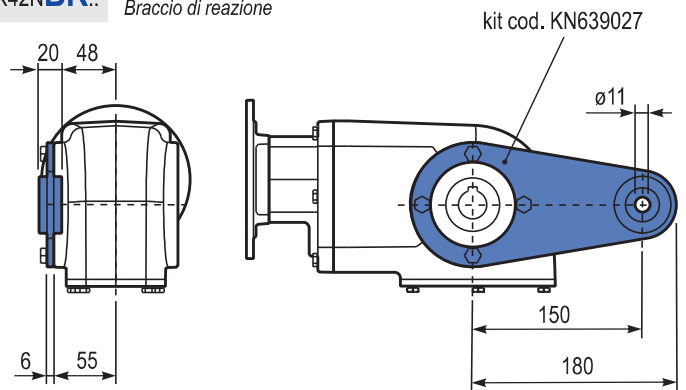
**PX42NPV..** Feet  
Piedini



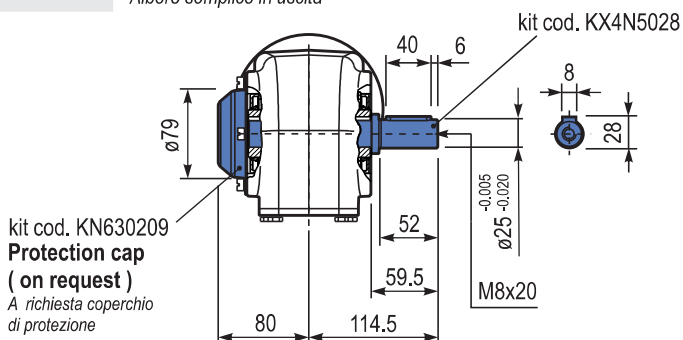
**PX42NFL..** Output flange  
Flangia uscita



**PX42NBR..** Reaction Arm  
Braccio di reazione



**PX42NA..** Single output shaft  
Albero semplice in uscita



kit cod. KN630209  
**Protection cap**  
(on request)  
A richiesta coperchio di protezione

**Suggested**  
Suggerito

**Stainless steel protection cap**  
(on request).

Coperchio di protezione in acciaio inox a richiesta.

Kit cod. KN630209

