


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 71	-R 80	-T 90		
192	<b>7.29</b>	1.5	71	1.3	<b>2.0</b>	<b>95</b>			C	C		2811	01
125	<b>11.20</b>	1.5	110	1.4	<b>2.0</b>	<b>150</b>			C	C		288	02
106	<b>13.18</b>	1.5	129	1.2	<b>1.7</b>	<b>150</b>			C	C		1911	03
92	<b>15.27</b>	1.1	109	1.4	<b>1.5</b>	<b>150</b>			C	C		1711	04
78	<b>17.93</b>	1.1	128	1.2	<b>1.3</b>	<b>150</b>			C	C		1511	05
69	<b>20.25</b>	1.1	145	1.0	<b>1.1</b>	<b>150</b>			C	C		198	06
65	<b>21.40</b>	1.1	153	1.0	<b>1.1</b>	<b>150</b>			C	C		1311	07
60	<b>23.47</b>	0.75	115	1.3	<b>0.98</b>	<b>150</b>			C	C		178	08
51	<b>27.55</b>	0.75	135	1.1	<b>0.83</b>	<b>150</b>			C	C		158	09
47.9	<b>29.21</b>	0.75	143	1.0	<b>0.78</b>	<b>150</b>			C	C		1011	10
42.6	<b>32.88</b>	0.75	161	0.9	<b>0.70</b>	<b>150</b>			C	C		138	11
36.7	<b>38.12</b>	0.55	138	1.1	<b>0.60</b>	<b>150</b>			C	C		911	12
31.2	<b>44.89</b>	0.55	163	0.9	<b>0.51</b>	<b>150</b>			C	C		108	13
27.8	<b>50.34</b>	0.37	122	1.1	<b>0.40</b>	<b>131</b>			C	C		711	14
23.9	<b>58.58</b>	0.37	142	1.1	<b>0.39</b>	<b>150</b>			C	C		98	15
18.1	<b>77.36</b>	0.25	126	1.2	<b>0.30</b>	<b>150</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

Always specify the mounting position  
Specificare sempre la posizione di montaggio

Unit X42L 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.

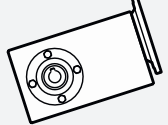
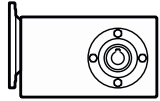
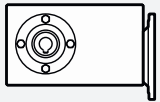
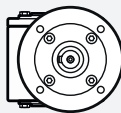
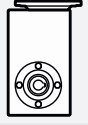
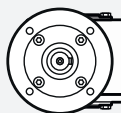
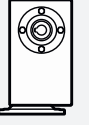
See Table 2 for possible radial and axial loads on the gearbox.

Il riduttore tipo X42L 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.

<b>Agip</b> Telium VSF 320	<b>Shell</b> Omala S4 WE 320	<b>V8</b> On request ASK	
<b>B3</b> Standard 0.60 LT		<b>B8</b> On request 0.70 LT	
<b>B6</b> On request 0.75 LT		<b>V5</b> On request 1.10 LT	
<b>B7</b> On request 0.50 LT		<b>V6</b> On request 0.60 LT	

Tab. 1

## Radial and axial loads

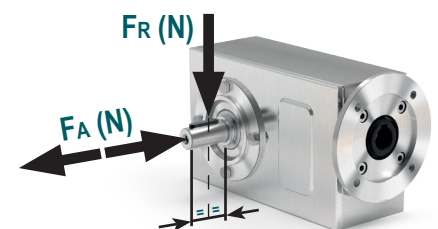
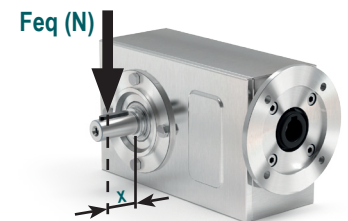
Carichi radiali e assiali

### 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

$$F_{eq} = F_R \cdot \frac{54}{X + 28}$$



Tab. 2

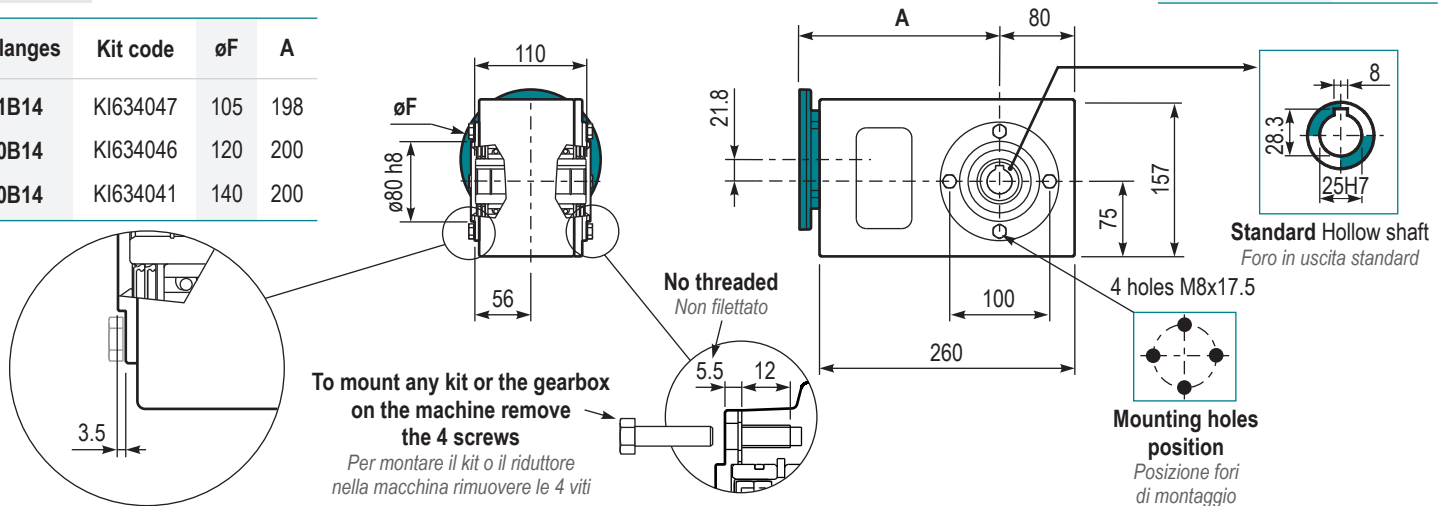
150  
Nm

X42L

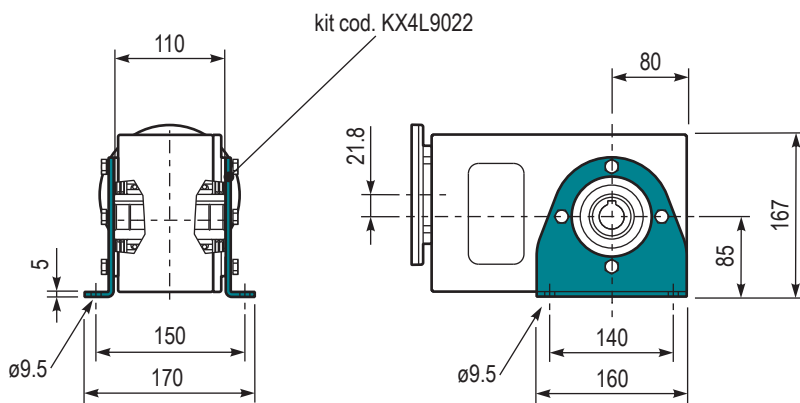
**P**X42L... **Basic gearbox**  
*Riduttore base*

M. flanges	Kit code	øF	A
71B14	KI634047	105	198
80B14	KI634046	120	200
90B14	KI634041	140	200

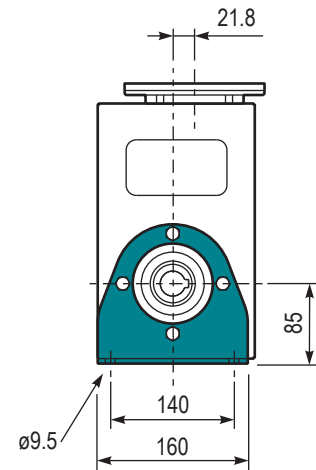
**Gearbox weight** 10.5 kg  
*Peso riduttore*



PX42L **PA..** **Feet**  
*Piedini*

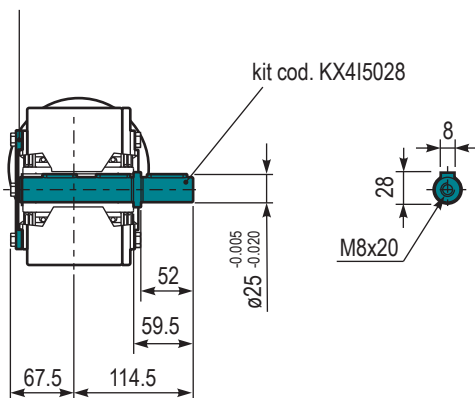


PX42L **PV..** **Feet**  
*Piedini*



PX42L **A..** **Single output shaft**  
*Albero semplice in uscita*

cod. X4L0209  
**Protection cap ( on request )**  
*A richiesta coperchio di protezione*



PX42L **BR..** **Reaction Arm**  
*Braccio di reazione*

