



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

Input speed (n_1) = 1400 min⁻¹

Output speed n_2 [min ⁻¹]	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	7.29	1.5	71	1.1	1.7	80			C	C		2811	01
125	11.20	1.5	110	1.2	1.8	130			C	C		288	02
106	13.18	1.5	129	1.0	1.5	130			C	C		1911	03
92	15.27	1.1	109	1.2	1.3	130			C	C		1711	04
78	17.93	1.1	128	1.0	1.1	130			C	C		1511	05
69	20.25	1.1	145	0.9	0.98	130			C	C		198	06
65	21.40	0.75	105	1.2	0.93	130			C	C		1311	07
60	23.47	0.75	115	1.1	0.85	130			C	C		178	08
51	27.55	0.75	135	1.0	0.72	130			C	C		158	09
47.9	29.21	0.75	143	0.9	0.68	130			C	C		1011	10
42.6	32.88	0.55	119	1.1	0.60	130			C	C		138	11
36.7	38.12	0.55	138	0.9	0.52	130			C	C		911	12
31.2	44.89	0.37	109	1.2	0.44	130			C	C		108	13
27.8	50.34	0.37	122	0.9	0.33	110			C	C		711	14
23.9	58.58	0.37	142	0.9	0.34	130			C	C		98	15
18.1	77.36	0.25	126	1.0	0.26	130			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.

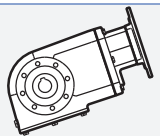
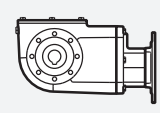
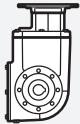
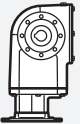
See Table 2 for possible radial and axial loads on the gearbox.

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

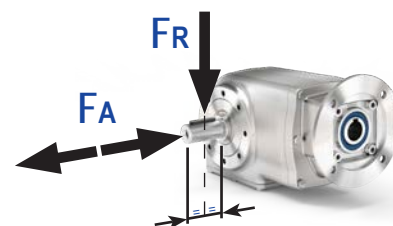
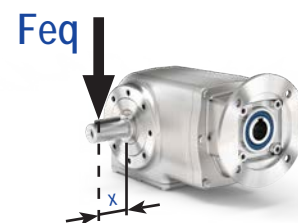
Carichi radiali e assiali

Output shaft

Albero di uscita

n_2 [min ⁻¹]	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

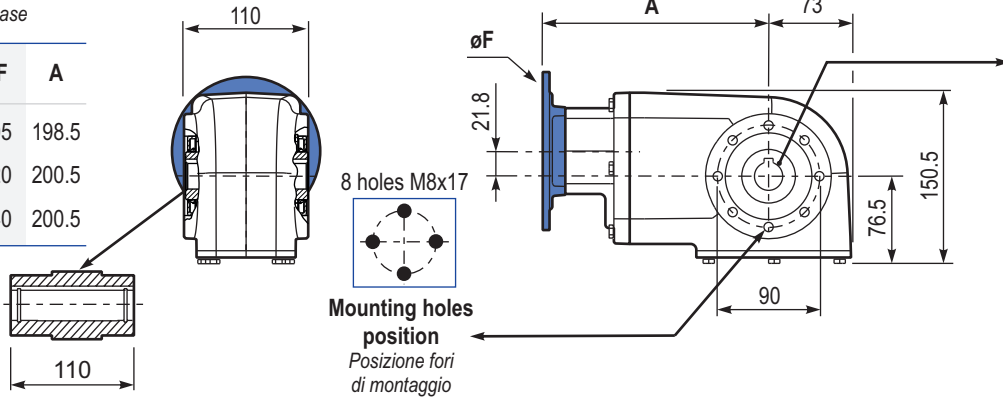
$$F_{eq} = F_R \cdot \frac{123}{X + 97}$$



Tab. 2

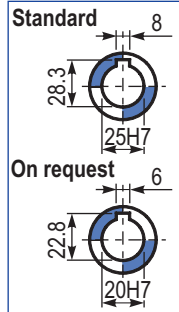
PX42NI...FB Basic gearbox
Riduttore base

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

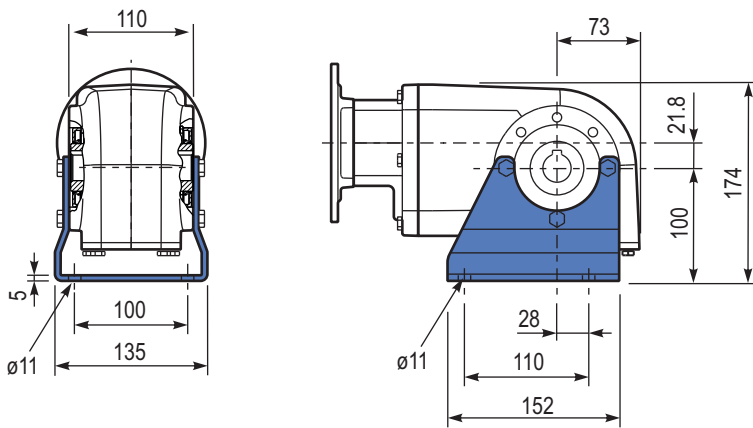


Gearbox weight
peso riduttore **12.8 kg**

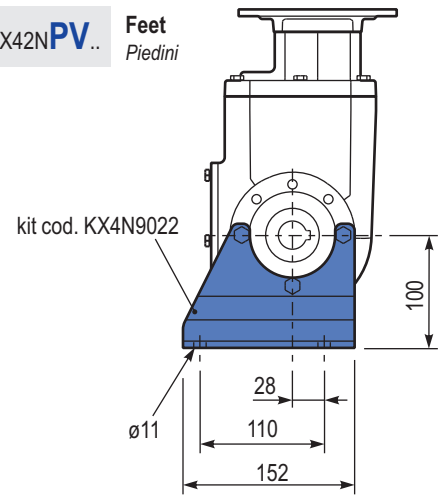
Hollow shaft
Foro in uscita



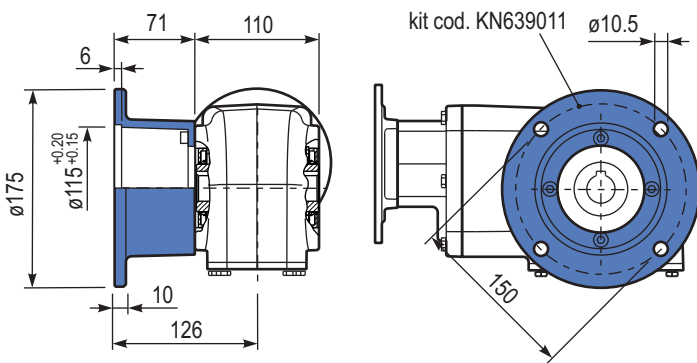
PX42NPA.. Feet
Piedini



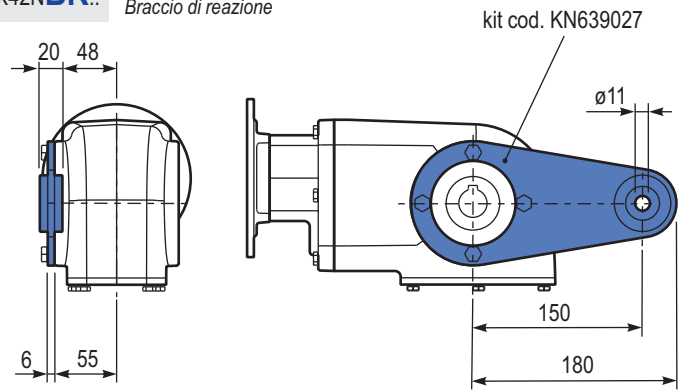
PX42NPV.. Feet
Piedini



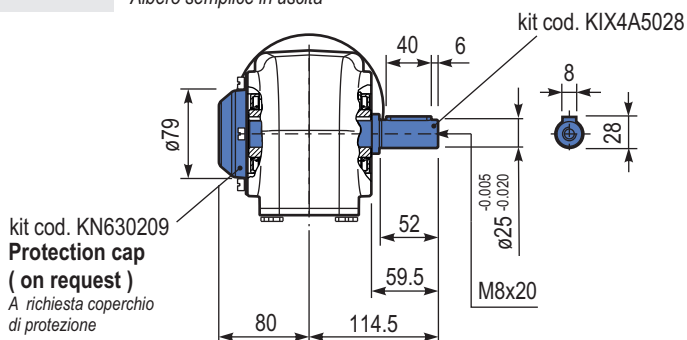
PX42NFL.. Output flange
Flangia uscita



PX42NBR.. Reaction Arm
Braccio di reazione



PX42NA.. Single output shaft
Albero semplice in uscita



Suggested
Suggerito

Stainless steel protection cap
(on request).

Coperchio di protezione in acciaio inox a richiesta.

Kit cod. KN630209

