

The dynamic efficiency is **0.96** for all ratiosInput speed (n_1) = 1400 min⁻¹

Output speed	Ratio	Motor power	Output torque	Service factor	Nominal power	Nominal torque	B5 motor flanges		B14 motor flanges				Output shaft	Ratio code
n_2 [min ⁻¹]	i	P_{1M} [kW]	M_{2M} [Nm]	f.s	P_{1R} [kW]	M_{2R} [Nm]	-	-	-Q	-R	-T			
									71	80	90		$\varnothing$	
192	7.29	1.5	71	1.1	1.7	80			C	C		2811	Standard ø25	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.

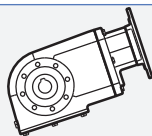
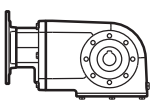
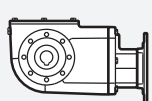
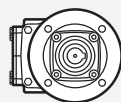
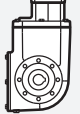
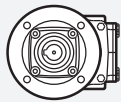
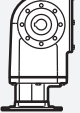
See Table 2 for possible radial and axial loads on the gearbox.

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

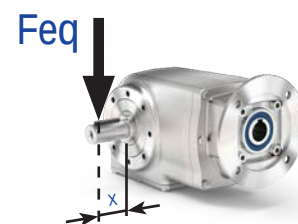
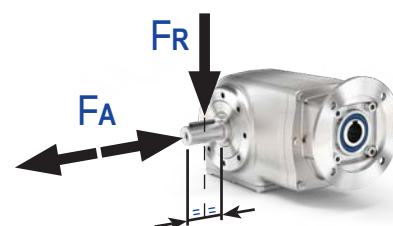
Carichi radiali e assiali

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

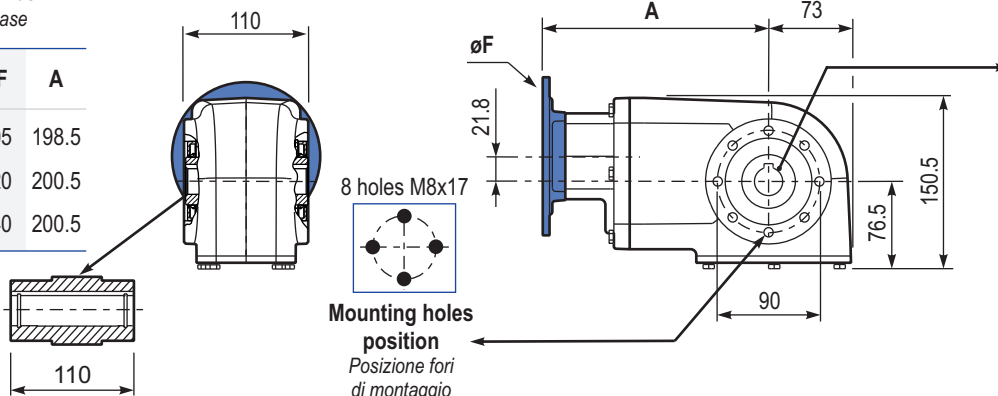
130
Nm

X42N

PX42N...FB

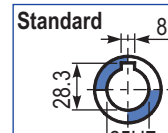
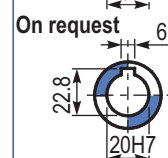
Basic gearbox
Riduttore base

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



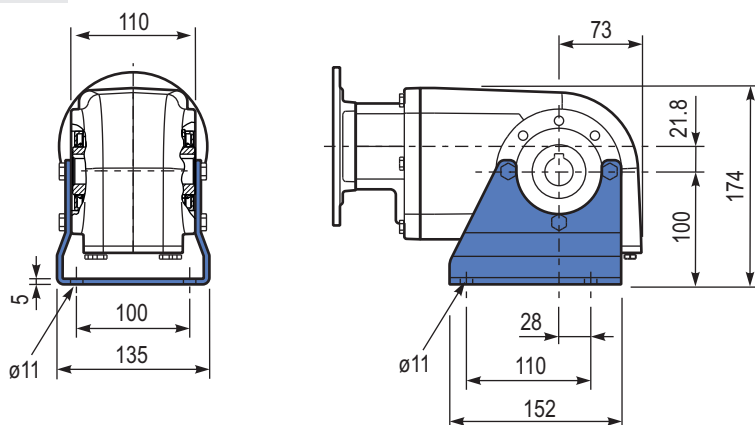
Gearbox weight
peso riduttore 12.8 kg

Hollow shaft
Foro in uscita



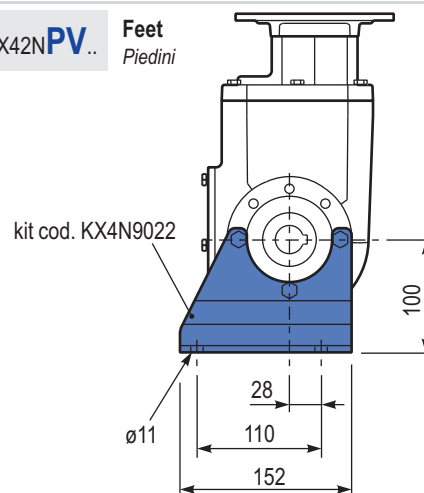
PX42N...PA..

Feet
Piedini



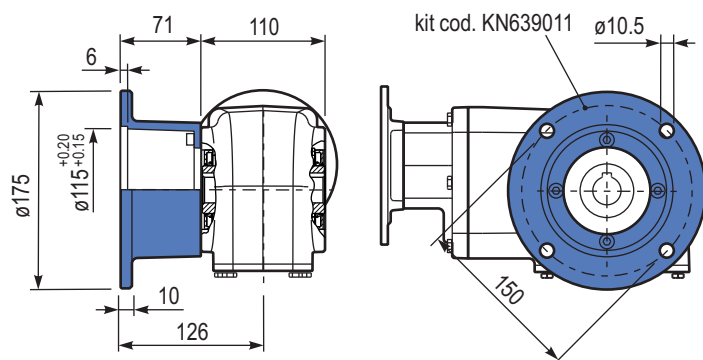
PX42N...PV..

Feet
Piedini



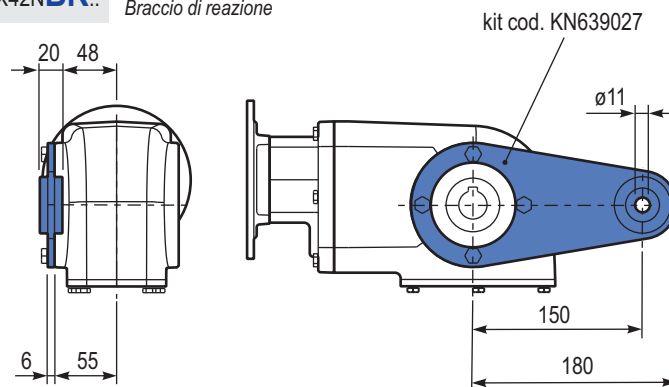
PX42N...FL..

Output flange
Flangia uscita



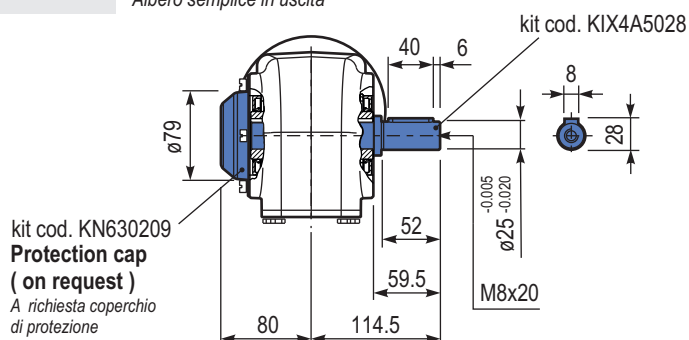
PX42N...BR..

Reaction Arm
Braccio di reazione



PX42N...A..

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

