




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

Input speed (n_1) = 1750 min⁻¹

Output speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [HP]	Output torque M_{2M} [lb in]	Service factor f.s	Nominal power P_{1R} [HP]	Nominal torque M_{2R} [lb in]	Available NEMA motor flanges			Output shaft 	Ratio code 
							-W 56C	-X 143-5TC			
240	7.29	2	504	1.4	2.81	708			2811		01
156	11.20	2	774	1.5	2.97	1151			288		02
133	13.18	2	911	1.3	2.53	1151			1911		03
115	15.27	2	1056	1.1	2.18	1151			1711		04
98	17.93	2	1240	0.9	1.86	1151			1511		05
86	20.25	1.5	1050	1.1	1.64	1151			198		06
82	21.40	1.5	1110	1.0	1.56	1151			1311		07
75	23.47	1.5	1217	0.9	1.42	1151			178	Standard ø1.000	08
64	27.55	1	953	1.2	1.21	1151			158		09
60	29.21	1	1010	1.1	1.14	1151			1011		10
53	32.88	1	1137	1.0	1.01	1151			138		11
45.9	38.12	1	1318	0.9	0.87	1151			911		12
39.0	44.89	0.75	1164	1.0	0.74	1151			108		13
34.8	50.34	0.5	870	1.1	0.56	974			711		14
29.9	58.58	0.5	1013	1.1	0.57	1151			98		15
22.6	77.36	0.5	1337	0.9	0.43	1151			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.

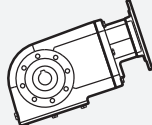
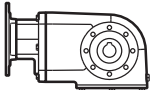
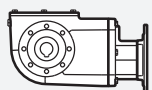
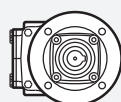
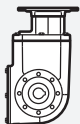
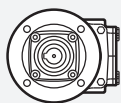
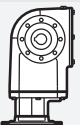
See Table 1 for lubrication and recommended quantity.

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 Omala S4 WE 320	Eni Telium VSF 320	V8 On request ASK	
B3 Standard 17.60 oz		B8 On request 29.92 oz	
B6 On request 28.16 oz		V5 On request 45.75 oz	
B7 On request 26.40 oz		V6 On request 31.68 oz	

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

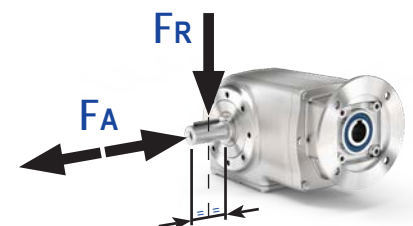
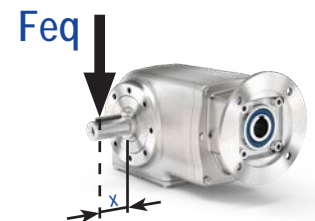
Carichi radiali e assiali

Output shaft

Albero di uscita

n_2 [min ⁻¹]	F_A [lb]	F_R [lb]
250	112	562
150	135	674
100	157	786
75	180	899
50	216	1079
25	216	1079
15	216	1079

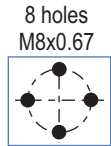
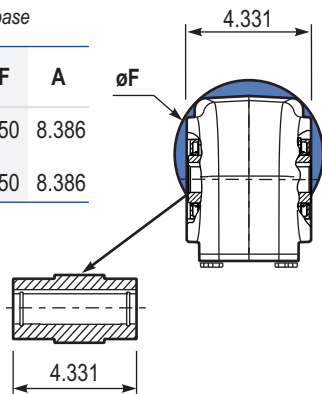
$$F_{eq} = F_R \cdot \frac{4.75}{X + 3.69}$$



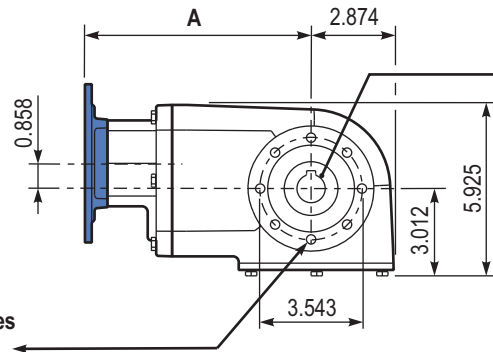
Tab. 2

PX42NI...FB Basic gearbox
Riduttore base

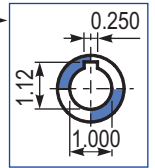
M. flanges	Kit code	øF	A
56C	KUI634041	6.50	8.386
143/5 TC	KUI634041	6.50	8.386



8 holes
M8x0.67
Mounting holes position
Posizione fori di montaggio

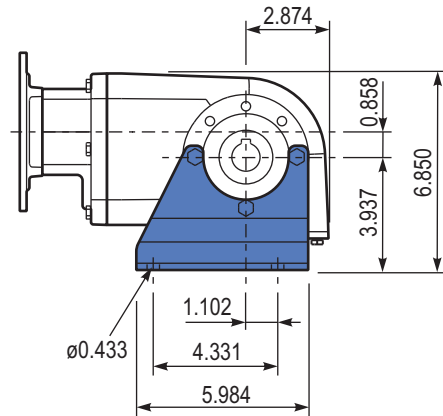
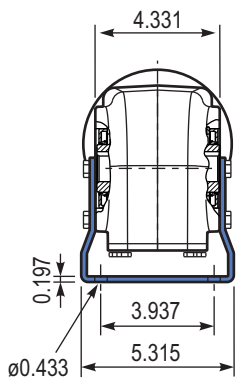


Gearbox weight
peso riduttore **28.2 lb**

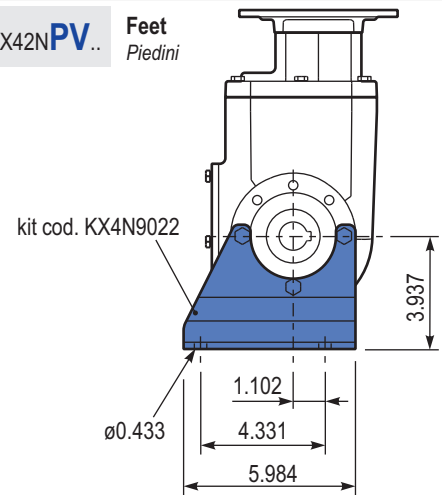


Standard Hollow shaft
Foro in uscita standard

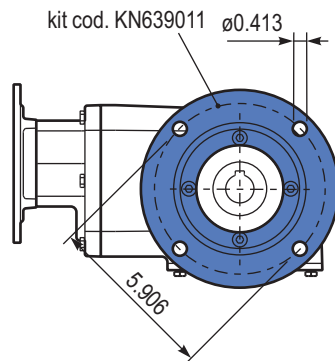
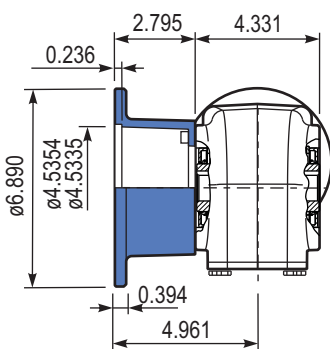
PX42NPA.. Feet
Piedini



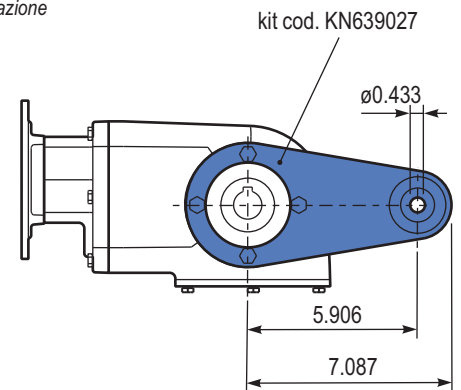
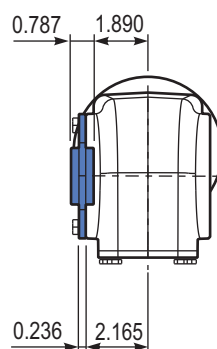
PX42NPV.. Feet
Piedini



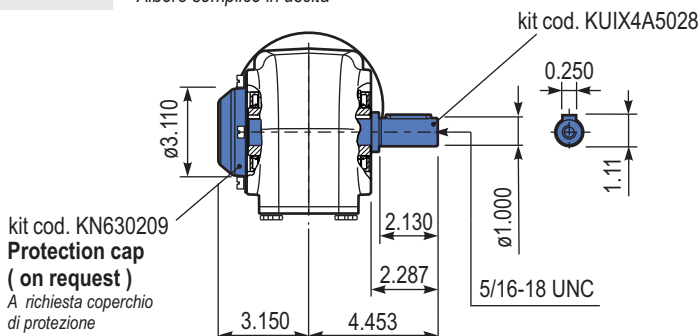
PX42N-FL.. Output flange
Flangia uscita



PX42NBR.. Reaction Arm
Braccio di reazione



PX42N..A.. 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

