

■ BVN series Full stainless steel helical bevel gearboxes

Riduttori a coppia conica completamente in acciaio inox

Section **5**
Sezione 5

The best high efficiency solution to resist corrosion. Suitable for all applications.

*La migliore soluzione ad alta efficienza per la resistenza alla corrosione.
Adatto a tutte le applicazioni.*

AISI 316L

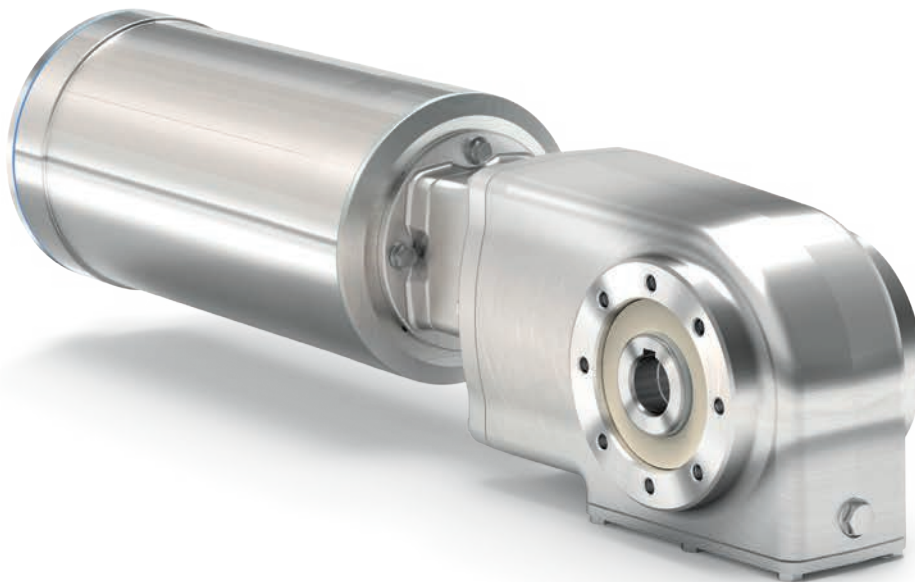
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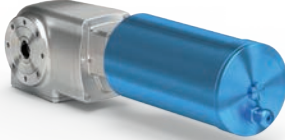













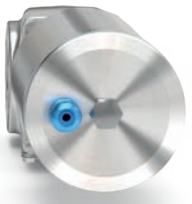



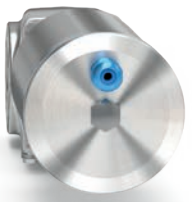

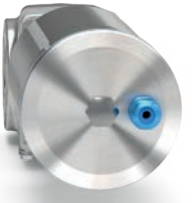



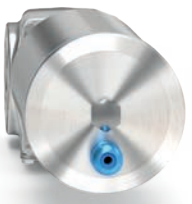



On req.
A rich.

IP69k






How to order Codifica

M	X42N	I	7.29	UD	BR
Type <i>Tipo</i>	Size <i>Grandezza</i>	Hub <i>Mozzo</i>	Ratio <i>Rapporto</i>	Output shaft <i>Albero uscita</i>	Type <i>Tipo</i>
P 	2 Stages 2 Riduzioni	I Stainless steel hollow output shaft <i>Foro albero uscita in acciaio inox</i> 	See technical data table <i>Vedi tabelle dati tecnici</i>	Hollow output shaft <i>Foro albero uscita</i>	FB Universal <i>Forma base</i> 
	X42N X62N			→ Standard X42N - X43N UD → ø1.000 X62N - X63N UG → ø1.375 X73N - X74N UH → ø1.500	
M 	3 Stages 3 Riduzioni	S Stainless steel single output shaft <i>Albero uscita singolo in acciaio inox</i> 	See technical data table <i>Vedi tabelle dati tecnici</i>	Single output shaft <i>Albero uscita singolo</i>	BR Reaction arm <i>Braccio di reazione</i> 
	X43N X63N X73N			→ Standard X42N - X43N UD → ø1.000 X62N - X63N UG → ø1.375 X73N - X74N UH → ø1.500	
B 	4 Stages 4 Riduzioni	I Stainless steel hollow output shaft <i>Foro albero uscita in acciaio inox</i> 	See technical data table <i>Vedi tabelle dati tecnici</i>	Single output shaft <i>Albero uscita singolo</i>	-F Output flange <i>Flangia uscita</i> 
	X74N			→ Standard X42N - X43N UD → ø1.000 X62N - X63N X73N - X74N UG → ø1.375	
					PA 
					PV 

N	-X	B3	ST	For M type specify terminal box position
Output flange <i>Flangia in uscita</i>	Motor size <i>Grandezza motore</i>	Mounting position <i>Posizione di montaggio</i>	Input bore <i>Foro entrata</i>	<i>Per tipo M specificare posizione morsettiera</i>
N Without flange <i>Senza flangia</i> 	Motor flanges <i>Flange motore</i> 	B3 	ST Standard bore <i>Foro standard</i> 	A 
	NEMA -W → 56C (ø6.5") -X → 143/5TC (ø6.5") -Y → 182/4TC (ø8.88") AA → 213/5TC (ø8.88")	B6 	With coupling <i>Con giunto</i>  -W → ø0.625 -X → ø0.875 -Y → ø1.125	B 
X42N - X43N 2 → ø6.890 X62N - X63N X73N - X74N	Without flange <i>Senza flangia</i> -M Ready for coupling <i>Predisposto per giunto</i>	B7 	Ready for input coupling <i>Predisposto per giunto</i>	C 
3 → ø8.071	 X43N -K → ø0.625	B8 	-0 Type B <i>Tipo B</i> 	D 
	X42N - X63N - X74N -K → ø0.625 -N → ø0.875	V5 		
	X62N - X73N -K → ø0.625 -N → ø0.875 -S → ø1.125	V6  V8 		

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	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.

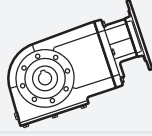
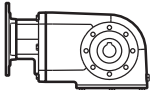
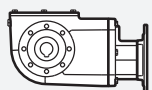

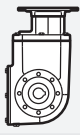

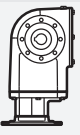
See Table 1 for lubrication and recommended quantity.

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

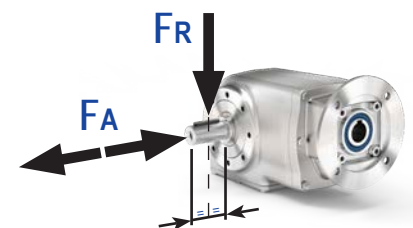
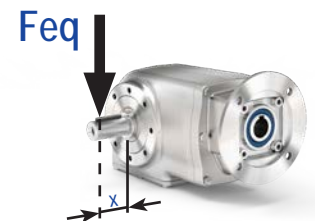
Carichi radiali e assiali

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

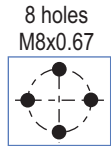
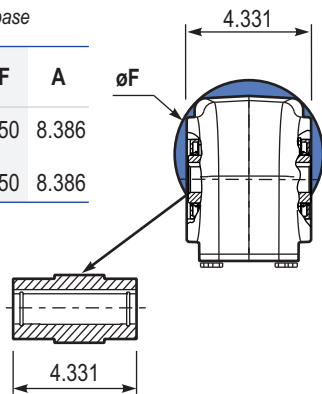
$$F_{eq} = F_R \cdot \frac{4.75}{X + 3.69}$$



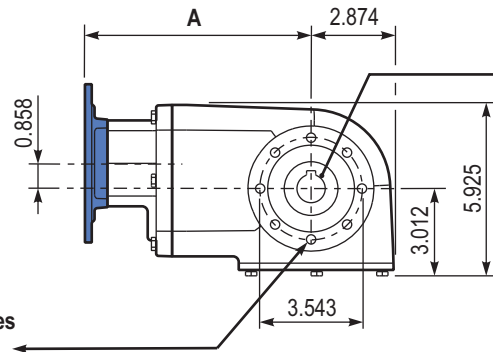
Tab. 2

PX42NI...FB Basic gearbox
Riduttore base

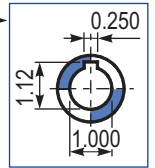
M. flanges	Kit code	øF	A
56C	KUI634041	6.50	8.386
143/5 TC	KUI634041	6.50	8.386



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

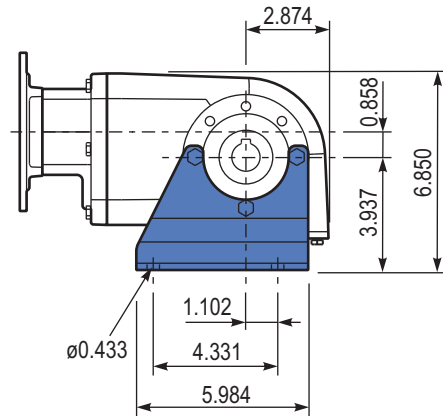
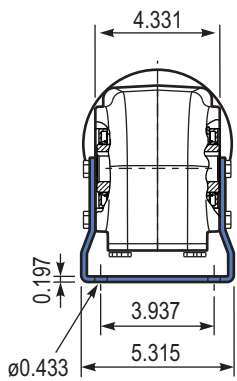


Gearbox weight
peso riduttore **28.2 lb**

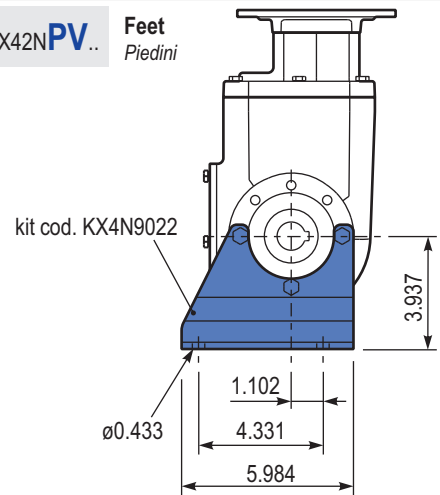


Standard Hollow shaft
Foro in uscita standard

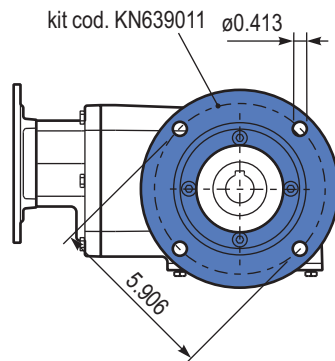
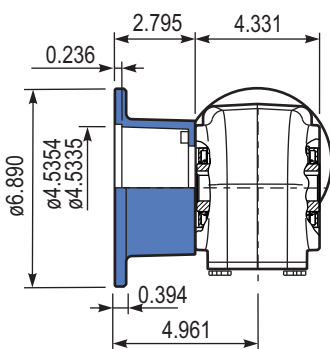
PX42NPA.. Feet
Piedini



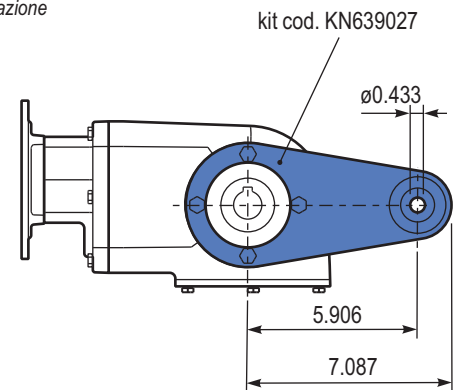
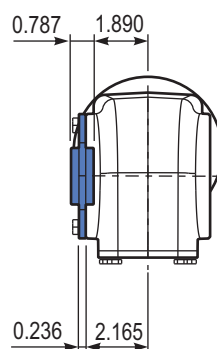
PX42NPV.. Feet
Piedini



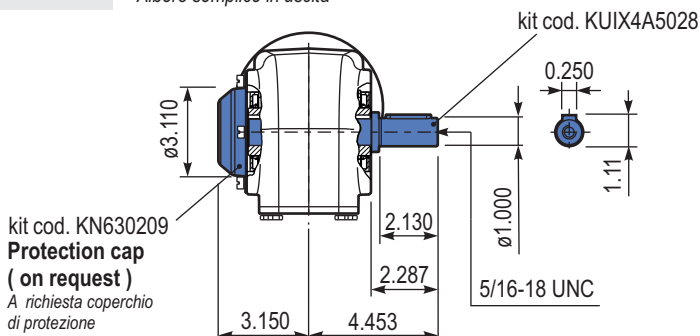
PX42N-FL.. Output flange
Flangia uscita



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



The dynamic efficiency is **0.94** 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	-		
34.8	50.35	0.75	1278	0.9	0.67	1151			171311	01
31.7	55.22	0.5	935	1.2	0.62	1151			17178	02
29.2	59.92	0.5	1014	1.1	0.57	1151			151311	03
26.6	65.72	0.5	1112	1.0	0.52	1151			15178	04
24.4	71.78	0.5	1215	0.9	0.47	1151			101711	05
22.0	79.44	0.5	1345	0.9	0.43	1151			13178	06
19.0	92.08	0.33	1029	1.1	0.37	1151			15138	07
18.4	95.03	0.33	1062	1.1	0.36	1151			91711	08
13.8	126.55	0.33	1414	0.9	0.28	1204			71711	09
13.1	133.15	0.25	1127	1.1	0.27	1204			91311	10
11.7	150.18	0.25	1271	0.9	0.24	1204			61711	11
9.9	177.30	0.25	1501	0.8	0.20	1204			71311	12
8.3	210.42	0.25*	1781	0.7	0.17	1204			61311	13
7.6	230.79	0.25*	1953	0.6	0.15	1204			6178	14
6.4	272.47	0.25*	2306	0.5	0.13	1204			7138	15
5.4	323.37	0.25*	2737	0.4	0.11	1204			6138	16

* Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}

* Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente M_{2R}

-  **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 X43N is supplied with synthetic oil to assure long life lubrication. Food grade oil is available on request.

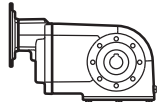
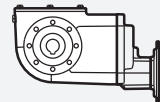
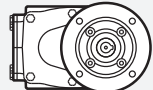
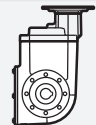

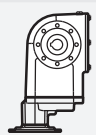
See Table 1 for lubrication and recommended quantity.

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

Il riduttore tipo X43N 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 31.68 oz		B8 On request 29.92 oz	
B6 On request 33.44 oz		V5 On request 49.27 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

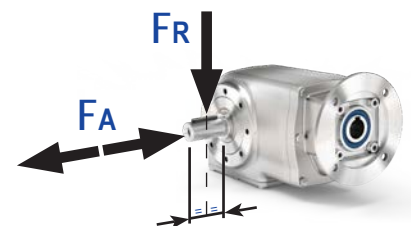
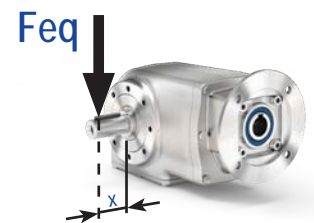
Carichi radiali e assiali

Output shaft

Albero di uscita

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

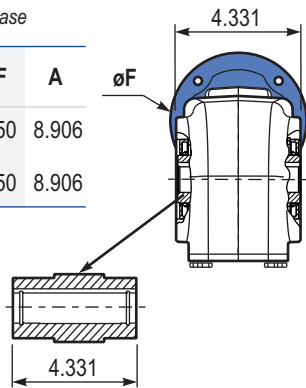
$$F_{eq} = F_R \cdot \frac{4.75}{X + 3.69}$$



Tab. 2

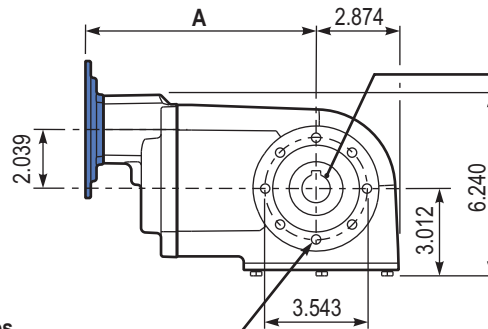
PX43NI...FB Basic gearbox
Riduttore base

M. flanges	Kit code	øF	A
56C	KUI504041	6.50	8.906
143/5 TC	KUI504041	6.50	8.906

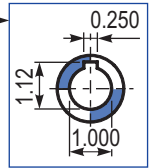


8 holes
M8x0.67

Mounting holes position
Posizione fori di montaggio

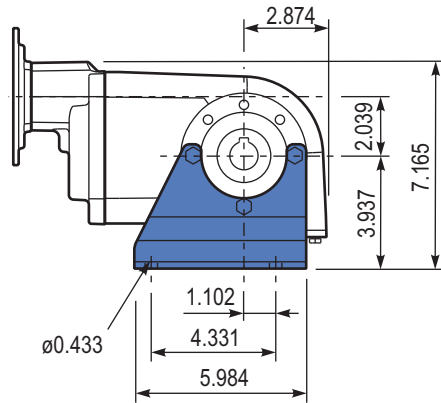
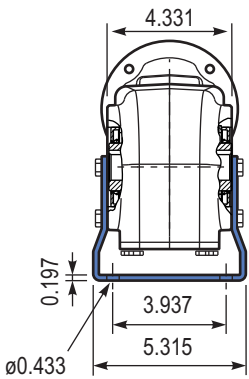


Gearbox weight
peso riduttore **28.7 lb**

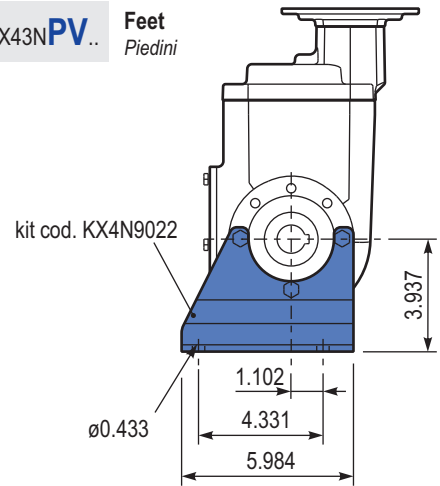


Standard Hollow shaft
Foro in uscita standard

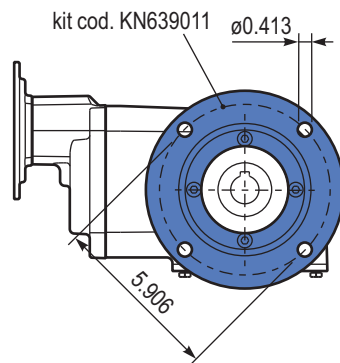
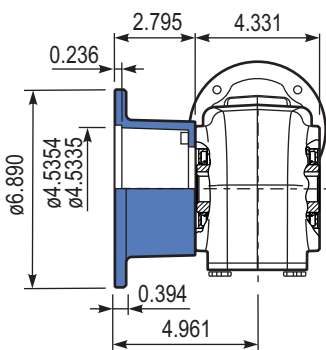
PX43NPA.. Feet
Piedini



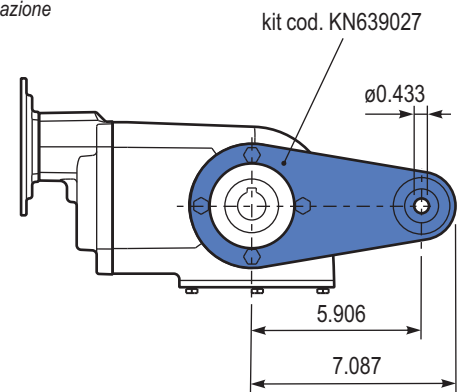
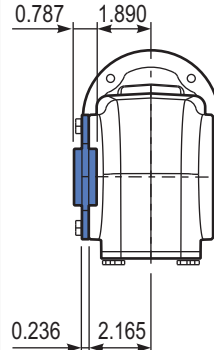
PX43NPV.. Feet
Piedini



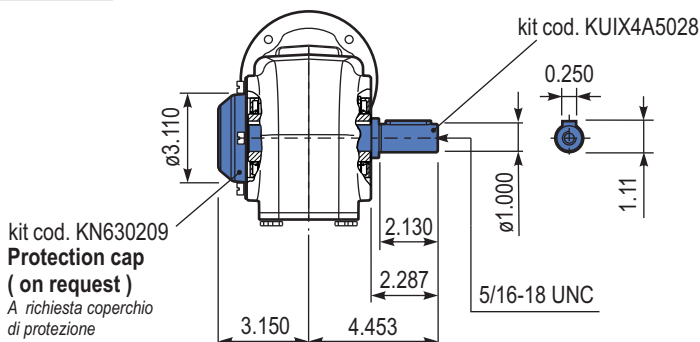
PX43N-FL.. Output flange
Flangia uscita



PX43NBR.. Reaction Arm
Braccio di reazione



PX43N.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



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  Standard ø1.375	Ratio code 
							-W 56C	-X 143-5TC	-Y 182/4TC			
290	6.03	5	1042	2.0	10.19	2124				3011	01	
189	9.26	5	1601	1.5	7.46	2390				308	02	
154	11.36	5	1964	1.6	7.89	3098				2011	03	
114	15.36	5	2655	1.3	6.42	3408				1611	04	
100	17.46	5	3018	1.2	5.87	3540				208	05	
88	19.97	5	3453	1.1	5.25	3629				1311	06	
74	23.60	5	4080	0.9	4.45	3629				168	07	
72	24.45	5	4226	0.9	4.29	3629				1111	08	
57	30.69	3	3184	1.1	3.42	3629				138	09	
49.5	35.35	3	3667	1.0	2.97	3629				811	10	
46.6	37.57	3	3897	0.9	2.79	3629				118	11	
35.9	48.68	2	3366	1.0	1.92	3231				611	12	
32.2	54.33	2	3757	1.0	1.93	3629				88	13	
23.4	74.81	1	2587	1.2	1.23	3186				68	14	

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 X43N 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.

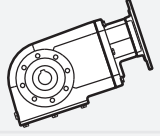
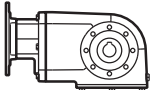
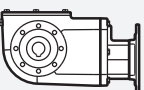

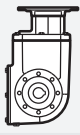
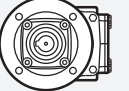
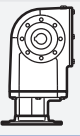
See Table 2 for possible radial and axial loads on the gearbox.

Il riduttore tipo X43N 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 36.95 oz		B8 On request 66.87 oz	
B6 On request 65.11 oz		V5 On request 112.62 oz	
B7 On request 59.83 oz		V6 On request 79.19 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

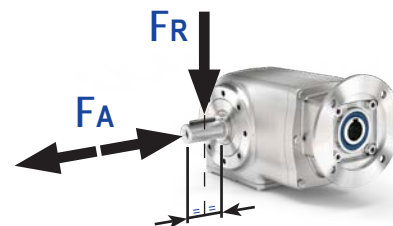
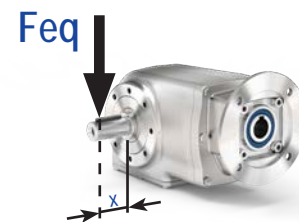
Carichi radiali e assiali

Output shaft

Albero di uscita

n_2 [min ⁻¹]	F_A [lb]	F_R [lb]
250	135	674
150	157	787
100	175	877
75	200	1000
50	256	1281
25	299	1495
15	373	1866

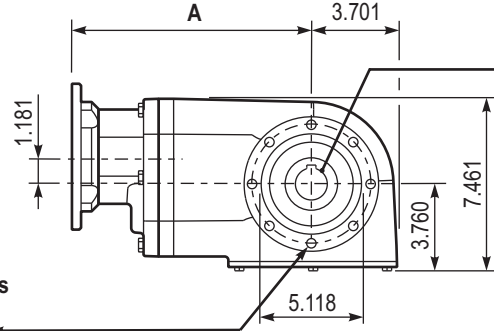
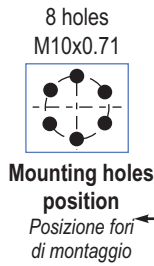
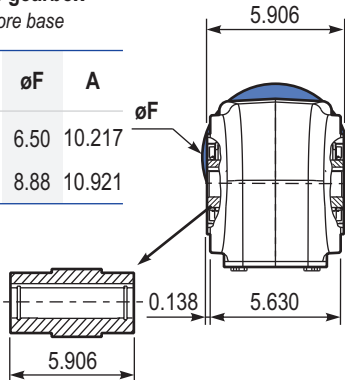
$$F_{eq} = F_R \cdot \frac{6.60}{X + 5.22}$$



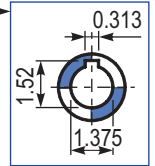
Tab. 2

PX62NI...FB Basic gearbox
Riduttore base

M. flanges	Kit code	øF	A
56C-143/5TC	KUI854041	6.50	10.217
182/4TC	KUI854042	8.88	10.921

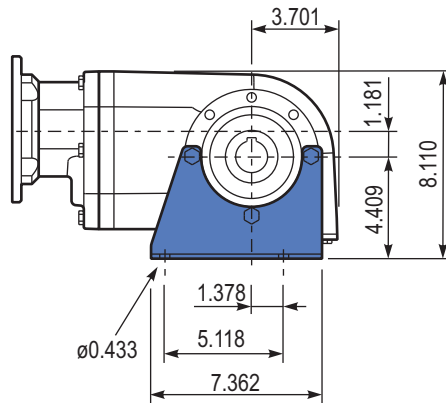
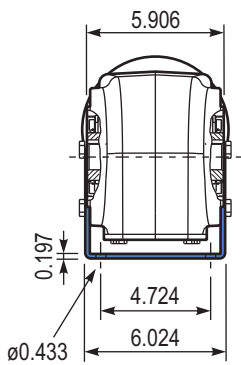


Gearbox weight
peso riduttore **51.1 lb**

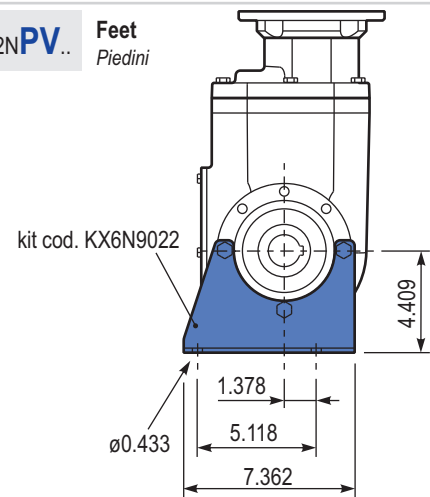


Standard Hollow shaft
Foro in uscita standard

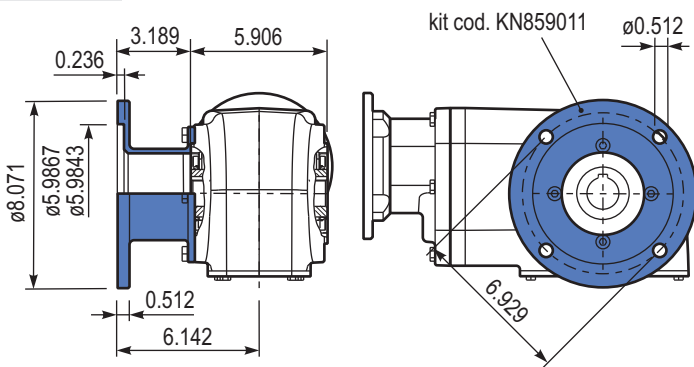
PX62NPA.. Feet
Piedini



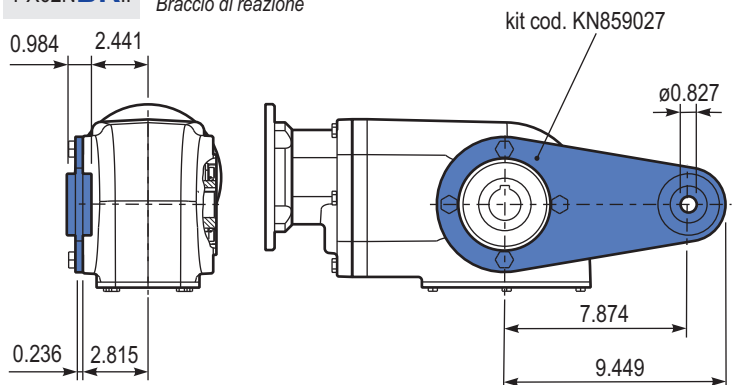
PX62NPV.. Feet
Piedini



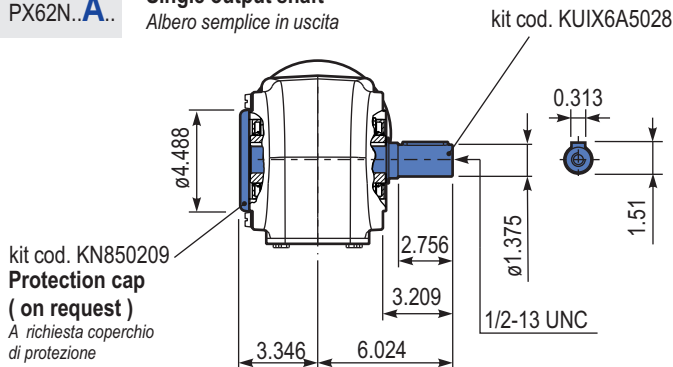
PX62NFL.. Output flange
Flangia uscita



PX62NBR.. Reaction Arm
Braccio di reazione



PX62NA.. Single output shaft
Albero semplice in uscita



kit cod. KN850209
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. KN850209



The dynamic efficiency is **0.94** 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			
30.8	56.76	1.5	2883	1.3	1.89	3629			191311		01
26.6	65.79	1.5	3341	1.1	1.63	3629			171311		02
22.7	77.23	1.5	3922	0.9	1.39	3629			151311		03
20.1	87.23	1	2953	1.2	1.23	3629			19138		04
19.0	92.18	1	3121	1.2	1.16	3629			131311		05
17.4	100.47	1	3402	1.1	1.07	3629			19811		06
15.0	116.45	1	3943	0.9	0.92	3629			17811		07
13.9	125.82	0.75	3195	1.1	0.85	3629			101311		08
12.4	141.66	0.75	3597	1.0	0.76	3629			13138		09
10.7	163.16	0.5	2762	1.3	0.66	3629			13811	Standard ø1.375	10
9.8	178.96	0.5	3030	1.2	0.60	3629			1788		11
9.1	193.36	0.5	3273	1.1	0.55	3629			10138		12
8.1	216.84	0.5	3671	1.0	0.49	3629			71311		13
6.9	252.36	0.33	2819	1.3	0.42	3629			9138		14
6.0	290.67	0.33	3248	1.1	0.37	3629			9811		15
5.3	333.23	0.33	3723	1.0	0.32	3629			7138		16
4.6	383.82	0.25	3249	1.1	0.28	3629			7811		17
3.9	446.70	0.25	3781	1.0	0.24	3629			988		18
3.0	589.85	0.25*	4992	0.7	0.18	3629			788		19

* Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}

* Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente M_{2R}

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 X63N 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.

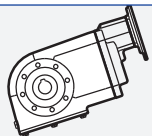
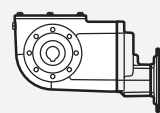
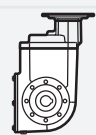
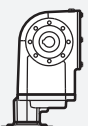
See Table 2 for possible radial and axial loads on the gearbox.

Il riduttore tipo X63N 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 72.15 oz		B8 On request 66.87 oz	
B6 On request 65.11 oz		V5 On request 117.90 oz	
B7 On request 59.83 oz		V6 On request 80.95 oz	

For more details on lubrication and plugs check our website.

Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web.

Radial and axial loads

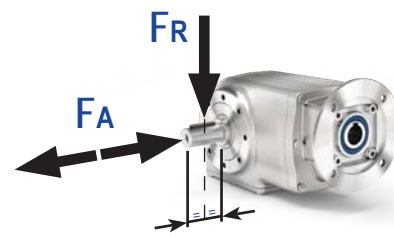
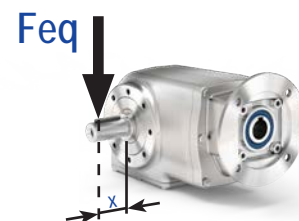
Carichi radiali e assiali

Output shaft

Albero di uscita

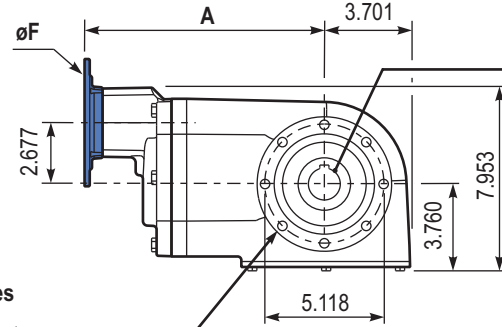
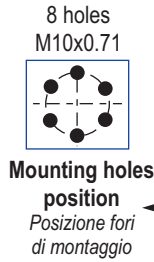
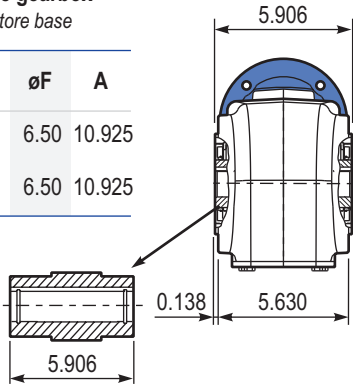
n_2 [min ⁻¹]	FA [lb]	FR [lb]
250	135	674
150	157	787
100	175	877
75	200	1000
50	256	1281
25	299	1495
15	373	1866

$$F_{eq} = F_R \cdot \frac{6.60}{x + 5.22}$$

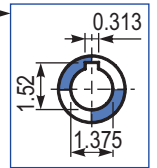


PX63NI...FB Basic gearbox
Riduttore base

M. flanges	Kit code	øF	A
56C	KUI634041	6.50	10.925
143/5 TC	KUI634041	6.50	10.925

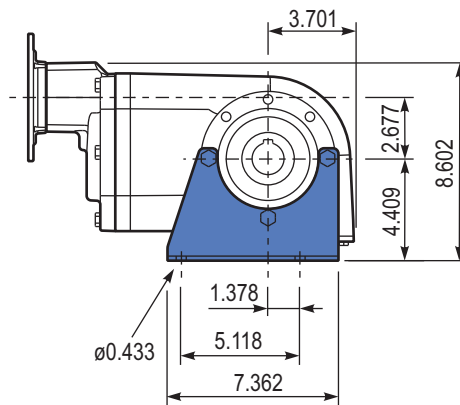
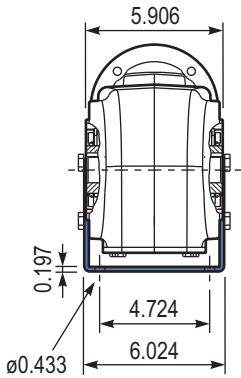


Gearbox weight
peso riduttore **51.1 lb**

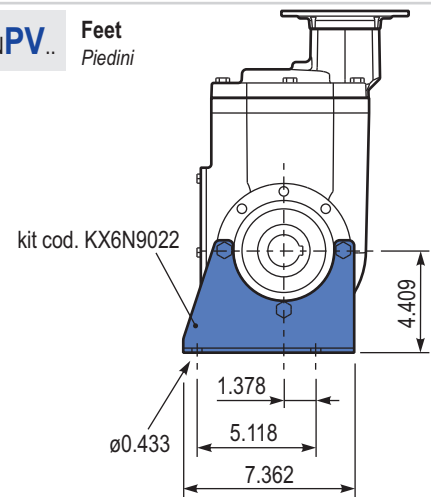


Standard Hollow shaft
Foro in uscita standard

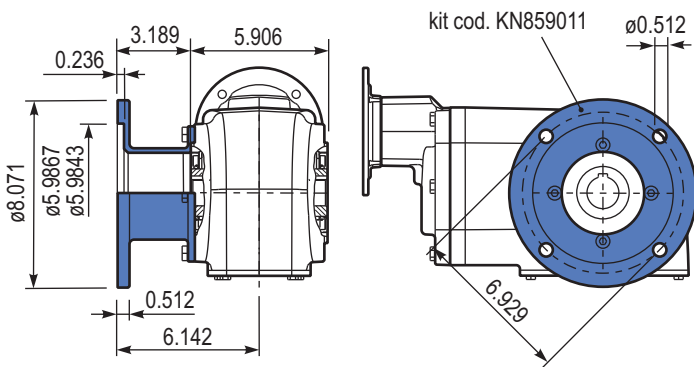
PX63NPA.. Feet
Piedini



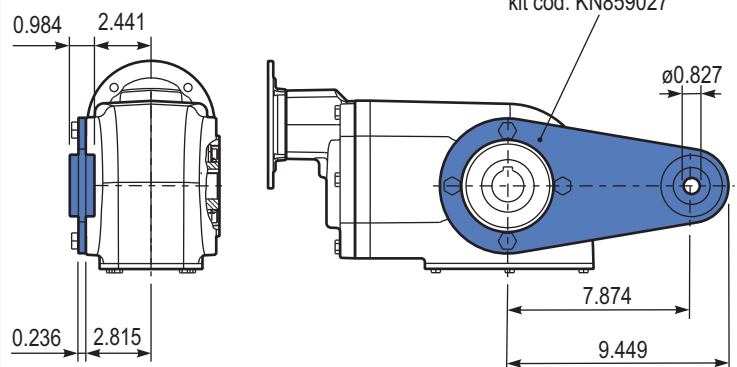
PX63NPV.. Feet
Piedini



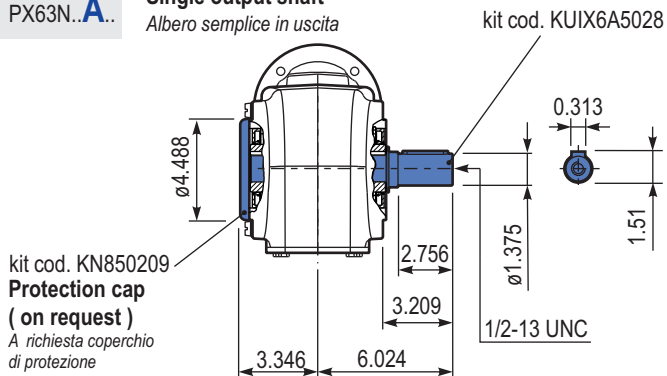
PX63NFL.. Output flange
Flangia uscita



PX63NBR.. Reaction Arm
Braccio di reazione



PX63NA.. Single output shaft
Albero semplice in uscita



kit cod. KN850209
Protection cap
(on request)
A richiesta coperchio di protezione

Suggested
Sugerito

Stainless steel protection cap
(on request).




Coperchio di protezione in acciaio inox a richiesta.

Kit cod. KN850209



The dynamic efficiency is **0.94** 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	-Y 182/4TC			
220	7.94	5	1344	2.5	12.51	3363				302418	Standard ø1.500	01
192	9.13	5	1546	2.2	11.17	3452				302416		02
164	10.66	5	1804	2.0	10.06	3629				302414		03
117	14.97	5	2534	2.0	10.13	5133				202418		04
102	17.21	5	2913	1.8	9.12	5310				202416		05
86	20.24	5	3425	1.7	8.72	5974				162418		06
75	23.27	5	3938	1.5	7.58	5974				162416		07
67	26.31	5	4455	1.3	6.71	5974				132418		08
58	30.25	5	5122	1.2	5.83	5974				132416		09
49.5	35.32	5	5979	1.0	5.00	5974				132414		10
47.3	37.03	5	6269	1.0	4.76	5974				112416		11
40.5	43.23	3	4391	1.4	4.08	5974				112414		12
37.6	46.58	3	4731	1.3	3.79	5974				82418		13
32.7	53.55	3	5439	1.1	3.30	5974				82416		14
28.0	62.52	3	6350	0.9	2.82	5974				82414		15
23.7	73.75	2	4994	1.0	2.06	5133				62416		16
20.3	86.09	2	5830	1.0	2.05	5974				62414		17

* Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}

* Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente M_{2R}

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 X73N 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.

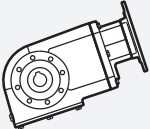
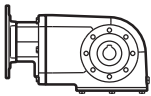
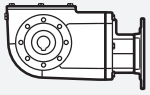
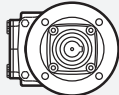
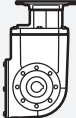
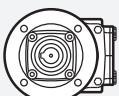
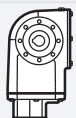
See Table 2 for possible radial and axial loads on the gearbox.

Il riduttore tipo X73N 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 56.31 oz		B8 On request 102.07 oz	
B6 On request 98.55 oz		V5 On request 161.90 oz	
B7 On request 73.91 oz		V6 On request 161.90 oz	

For more details on lubrication and plugs check our website.

Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web.

Radial and axial loads

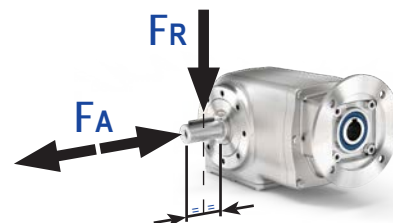
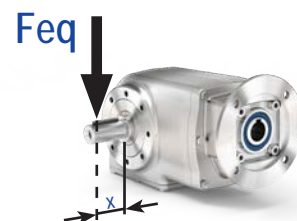
Carichi radiali e assiali

Output shaft

Albero di uscita

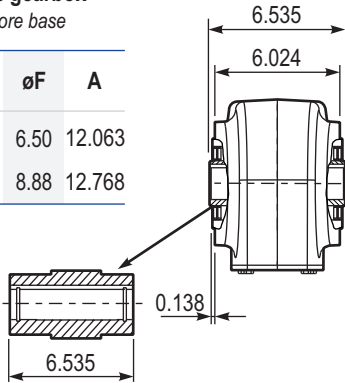
n_2 [min ⁻¹]	FA [lb]	FR [lb]
300	306	1529
250	315	1574
200	324	1619
140	333	1664
120	342	1709
85	351	1754
70	387	1934
40	414	2068
15	432	2158

$$F_{eq} = F_R \cdot \frac{7.03}{X + 5.65}$$

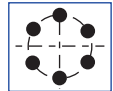


PX73NI...FB Basic gearbox
Riduttore base

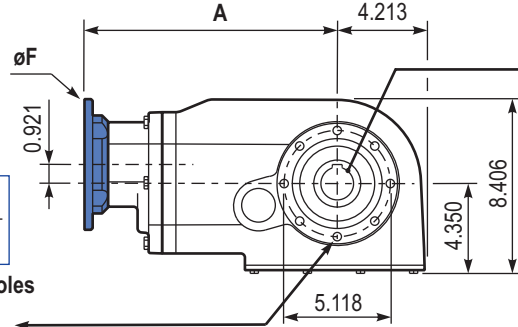
M. flanges	Kit code	øF	A
56C-143/5TC	KUI854041	6.50	12.063
182/4TC	KUI854042	8.88	12.768



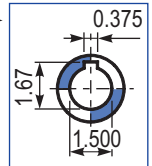
8 holes
M10x0.71



Mounting holes
position
Posizione fori di montaggio

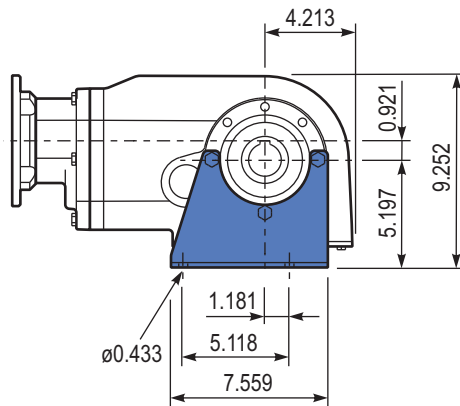
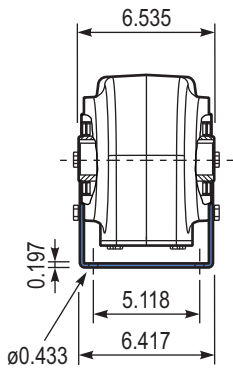


Gearbox weight
peso riduttore **68.3 lb**

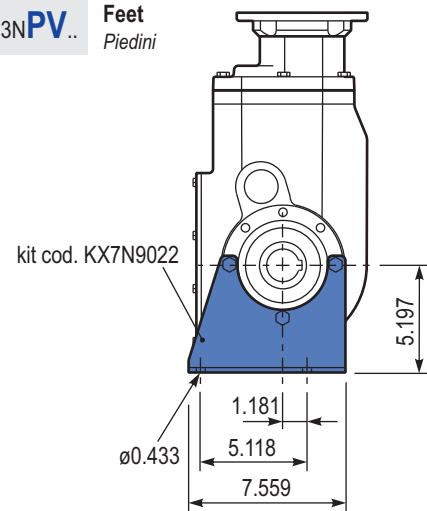


Standard Hollow shaft
Foro in uscita standard

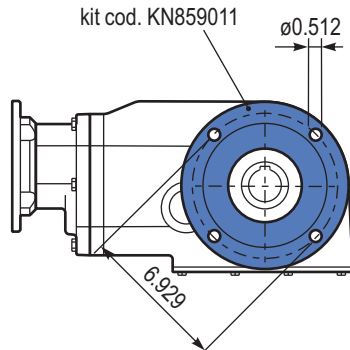
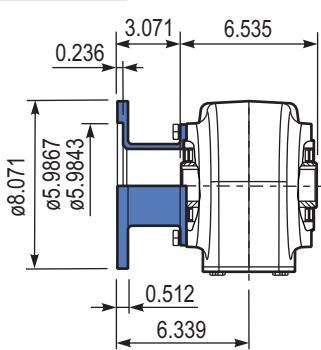
PX73NPA.. Feet
Piedini



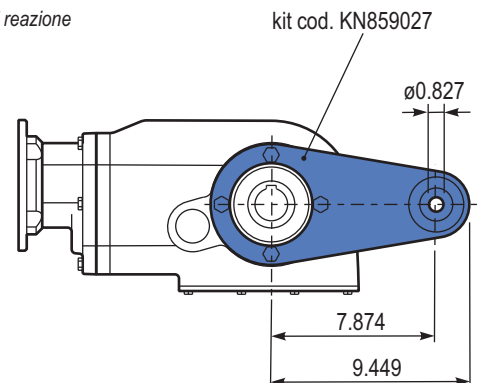
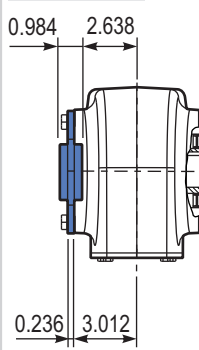
PX73NPV.. Feet
Piedini



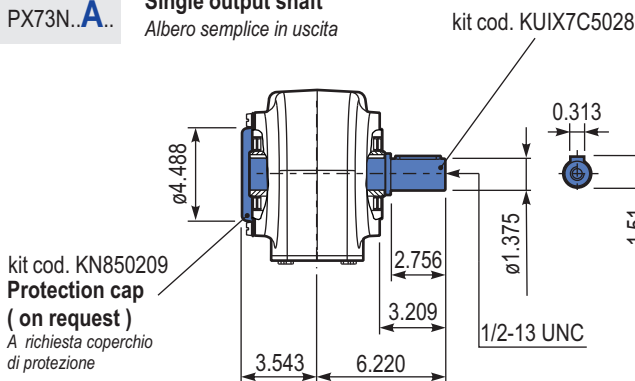
PX73NFL.. Output flange
Flangia uscita



PX73NBR.. Reaction Arm
Braccio di reazione



PX73NA.. 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. KN850209



The dynamic efficiency is **0.92** 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			
23.4	74.79	2	4956	1.2	2.41	5974					01
20.4	85.99	2	5699	1.0	2.10	5974					02
17.6	99.66	1.5	4954	1.2	1.81	5974					03
15.0	116.35	1.5	5783	1.0	1.55	5974					04
14.4	121.45	1.5	6037	1.0	1.48	5974					05
12.5	139.64	1	4627	1.3	1.29	5974					06
11.5	152.21	1	5043	1.2	1.18	5974					07
10.7	163.02	1	5402	1.1	1.11	5974					08
9.8	177.69	1	5888	1.0	1.01	5974					09
8.5	205.95	0.75	5118	1.2	0.88	5974					10
7.9	222.52	0.75	5530	1.1	0.81	5974					11
7.0	248.76	0.75	6182	1.0	0.72	5974					12
6.0	290.41	0.5	4812	1.2	0.62	5974					13
5.2	337.39	0.5	5590	1.1	0.53	5974					14
4.4	393.88	0.5	6526	0.9	0.46	5974					15
4.0	440.33	0.33	4815	1.2	0.41	5974					16
3.4	514.06	0.33	5621	1.1	0.35	5974					17
3.0	581.44	0.25	4817	1.2	0.31	5974					18
2.6	678.79	0.25	5623	1.1	0.27	5974					19

* Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}
Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente M_{2R}

-  **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 X74N 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.

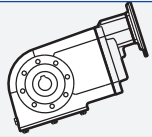
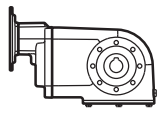
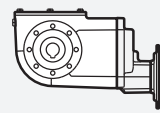
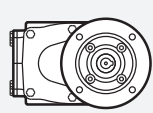
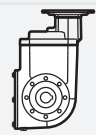
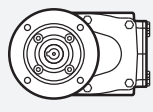
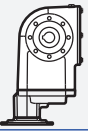
See Table 2 for possible radial and axial loads on the gearbox.

Il riduttore tipo X74N 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 91.51 oz		On request 102.07 oz	
B6		V5	
On request 98.55 oz		On request 168.94 oz	
B7		V6	
On request 73.91 oz		On request 116.14 oz	

For more details on lubrication and plugs check our website.
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web.

Radial and axial loads

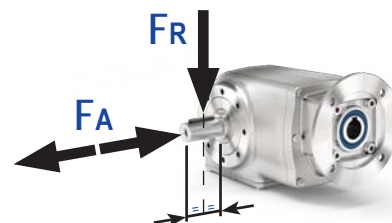
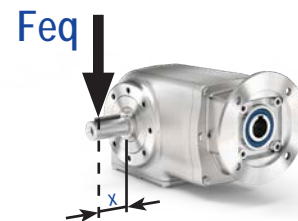
Carichi radiali e assiali

Output shaft

Albero di uscita

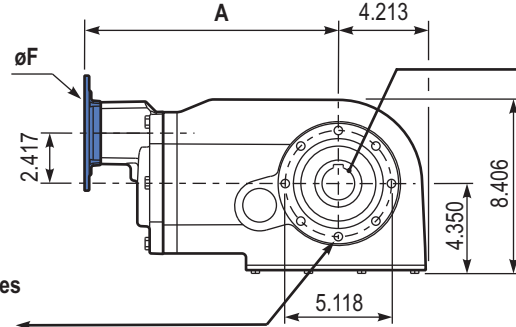
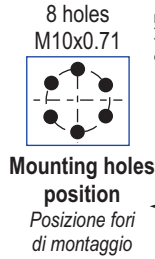
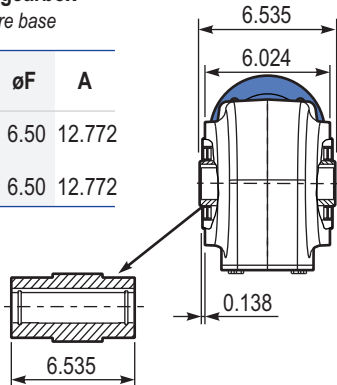
n_2 [min ⁻¹]	FA [lb]	FR [lb]
300	306	1529
250	315	1574
200	324	1619
140	333	1664
120	342	1709
85	351	1754
70	387	1933
40	414	2068
15	432	2158

$$F_{eq} = F_R \cdot \frac{7.03}{X + 5.65}$$

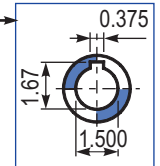


PX74NI...FB Basic gearbox
Riduttore base

M. flanges	Kit code	øF	A
56C	KUI634041	6.50	12.772
143/5 TC	KUI634041	6.50	12.772

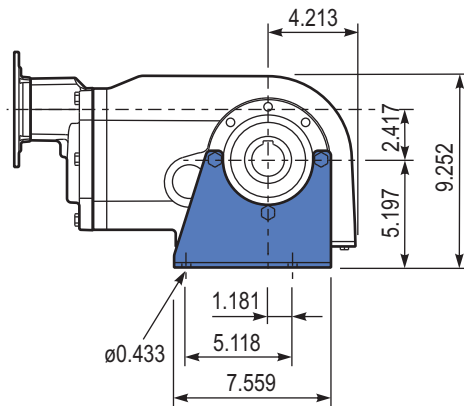
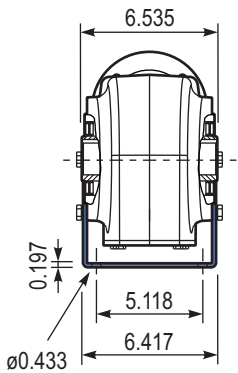


Gearbox weight
peso riduttore **68.3 lb**

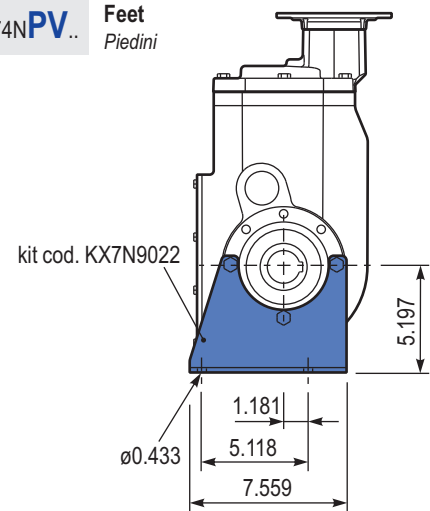


Standard Hollow shaft
Foro in uscita standard

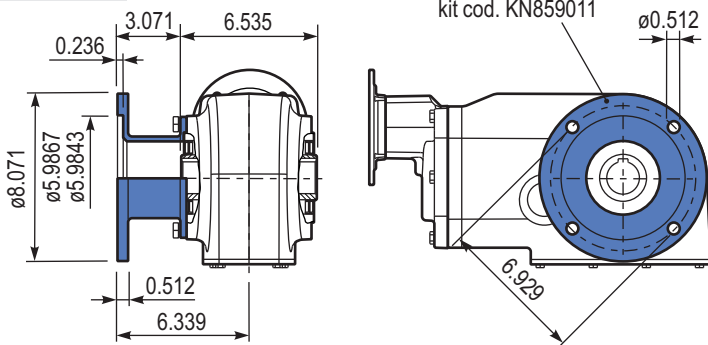
PX74NPA.. Feet
Piedini



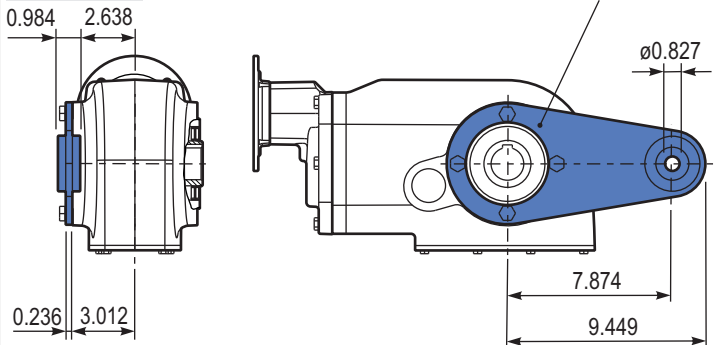
PX74NPV.. Feet
Piedini



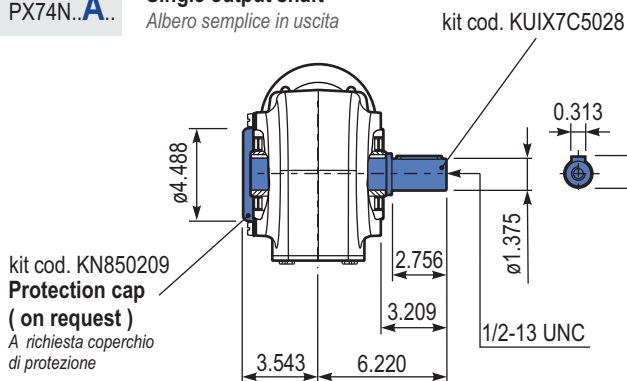
PX74NFL.. Output flange
Flangia uscita



PX74NBR.. Reaction Arm
Braccio di reazione



PX74NA.. 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. KN850209

