

X74N

675Nm

BVN Series

Full stainless steel helical gearboxes

The dynamic efficiency is 0.92 for all ratios

Input speed (n₁) = 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			
18.7	74.79	1.1	704	1.0	1.4	675			C	C		19132418	standard ø35	01
16.3	85.99	1.1	591	1.1	1.3	675			C	C		19132416		02
14.0	99.66	0.75	685	1.0	1.1	675			C	C		17132416		03
12.0	116.35	0.75	548	1.2	0.92	675			C	C		17132414		04
11.5	121.45	0.75	572	1.2	0.89	675			C	C		13132418		05
10.0	139.64	0.75	658	1.0	0.77	675			C	C		13132416		06
9.2	152.21	0.55	717	0.9	0.71	675			C	C		19082416		07
8.6	163.02	0.55	567	1.2	0.66	675			C	C		13132414		08
7.9	177.69	0.55	618	1.1	0.61	675			C	C		19082414		09
6.8	205.95	0.55	716	0.9	0.52	675			C	C		17082414		10
6.3	222.52	0.37	774	0.9	0.48	675			C	C		10132414		11
5.6	248.76	0.37	578	1.2	0.43	675			C	C		9132416		12
4.8	290.41	0.37	675	1.0	0.37	675			C	C		9132414		13
4.1	337.39	0.25	784	0.9	0.32	675			C	C		10082416		14
3.6	393.88	0.25	618	1.1	0.27	675			C	C		10082414		15
3.2	440.33	0.25	690	1.0	0.24	675			C	C		9082416		16
2.7	514.06	0.25*	806	0.8	0.21	675			C	C		9082414		17
2.4	581.44	0.25*	912	0.7	0.18	675			C	C		7082416		18
2.1	678.79	0.25*	1064	0.6	0.16	675			C	C		7082414		19

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

Motor flanges available



B) Supplied with reduction bushing

B) Available on request without reduction bushing



C) Motor flange holes position

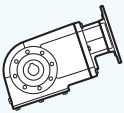
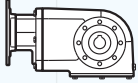
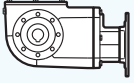
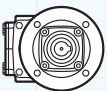
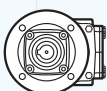
Lubrication

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.

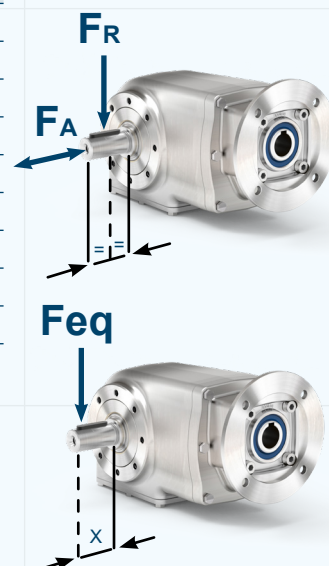
Shell Omala S4 WE 320	Eni Telium VSF 320	V8 On request ASK	
B3 Standard 2.60 L		B8 On request 2.90 L	
B6 On request 2.80 L		V5 On request 4.80 L	
B7 On request 2.10 L		V6 On request 3.30 L	

Radial and axial loads

Output shaft

n ₂ [min ⁻¹]	F _a [N]	F _r [N]
300	1360	6800
250	1400	7000
200	1440	7200
140	1480	7400
120	1520	7600
85	1560	7800
70	1720	8600
40	1840	9200
15	1920	9600

$$F_{eq} = F_R \cdot \frac{178.5}{X + 145.5}$$



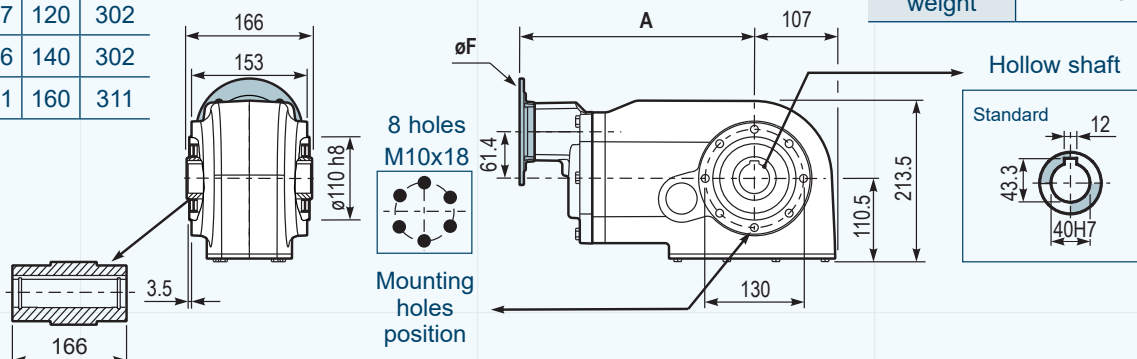
PX74NI FB

Basic gearbox

M. flanges	Kit code	øF	A
80B14	KI854047	120	302
90B14	KI854046	140	302
100-112B14	KI854041	160	311

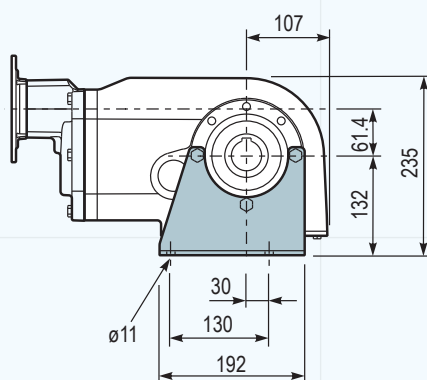
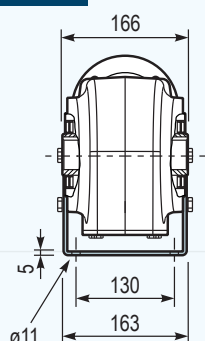
Gearbox weight

31.0 kg



PX74N PA

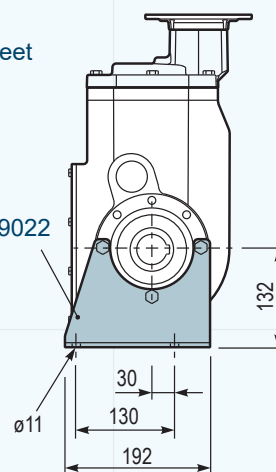
Feet



PX74N PV

Feet

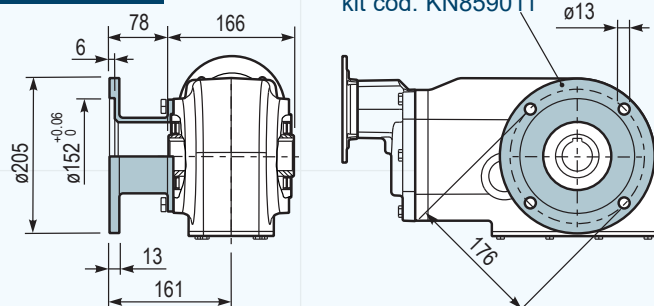
kit cod. KX7N9022



PX74N-FL

Output flange

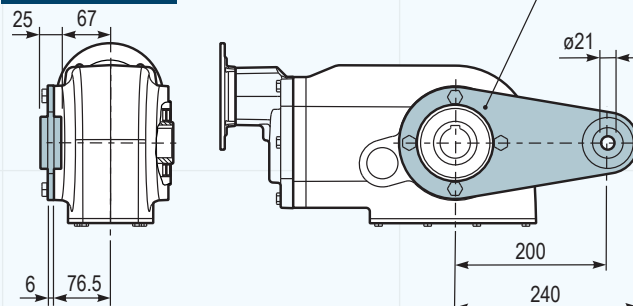
kit cod. KN859011



PX74N BR

Reaction arm

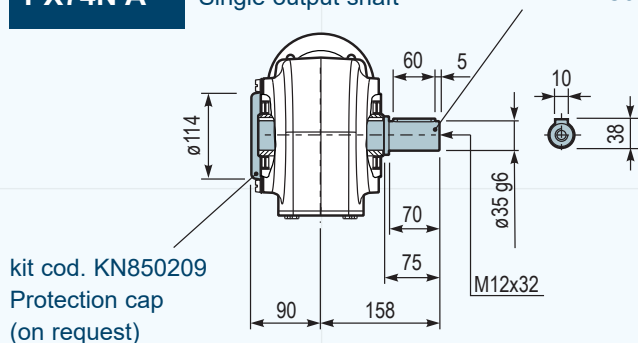
kit cod. KN859027



PX74N A

Single output shaft

kit cod. KIX7C5028



Suggested

Stainless steel protection cap (on request).

kit cod. KN850209

