



# X74N

675Nm

## BVN Series Full stainless steel helical gearboxes

The dynamic efficiency is 0.92 for all ratios

Input speed (n<sub>1</sub>) = 1400 min<sup>-1</sup>

Output speed n <sub>2</sub> [min <sup>-1</sup> ]	Ratio i	Motor power P <sub>1M</sub> [kW]	Output torque M <sub>2M</sub> [Nm]	Service factor f.s	Nominal power P <sub>1R</sub> [kW]	Nominal torque M <sub>2R</sub> [Nm]	B5 motor flanges			B14 motor flanges			Output shaft 	Ratio code 
							-	-	-Q	-R	-T	71		
18.7	74.79	1.1	704	1.0	1.4	675			C	C		19132418	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<sub>2R</sub>

Motor flanges available



B) Supplied with reduction bushing

B) Available on request without reduction bushing



C) Motor flange holes position

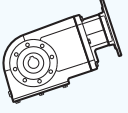
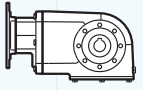
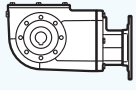
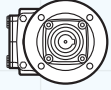

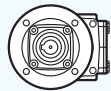

### Lubrication

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.

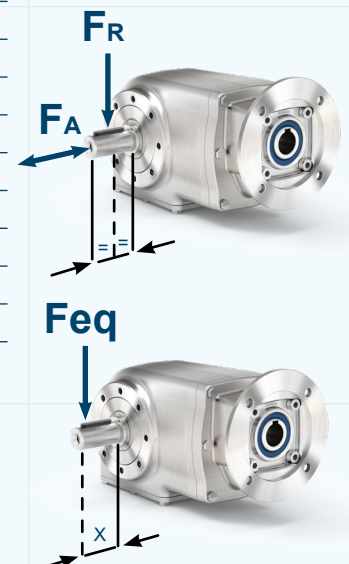
Shell	Eni	V8	
Omala S4 WE 320	Telium VSF 320	On request ASK	
B3 Standard 2.60 L		B8 On request 2.90 L	
B6 On request 2.80 L		V5 On request 4.80 L	
B7 On request 2.10 L		V6 On request 3.30 L	

### Radial and axial loads

Output shaft

n <sub>2</sub> [min <sup>-1</sup> ]	F <sub>a</sub> [N]	F <sub>r</sub> [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

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



# X74N

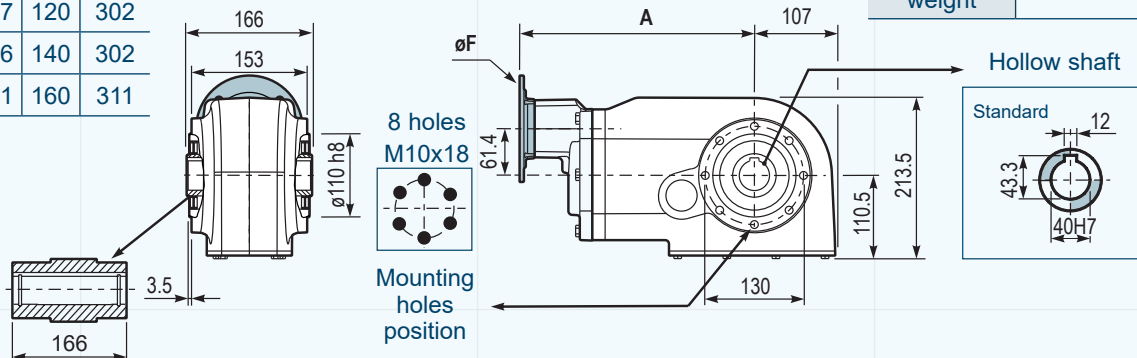
675Nm

## PX74NI FB

Basic gearbox

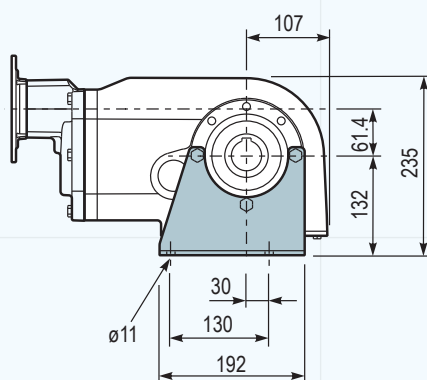
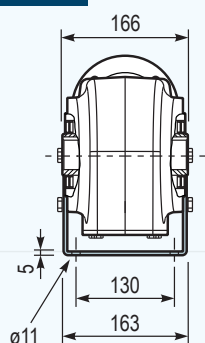
M. flanges	Kit code	øF	A
80B14	KI854047	120	302
90B14	KI854046	140	302
100-112B14	KI854041	160	311

Gearbox weight	31.0 kg
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## PX74N PA

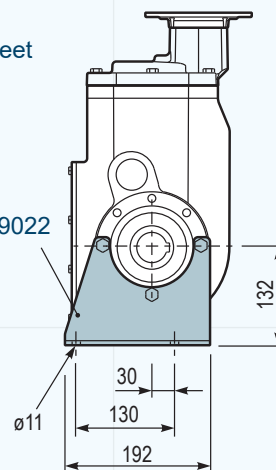
Feet



## PX74N PV

Feet

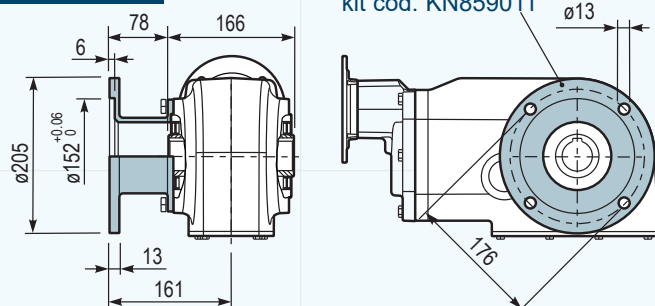
kit cod. KX7N9022



## PX74N-FL

Output flange

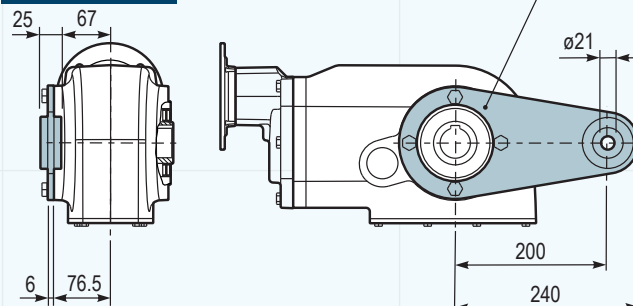
kit cod. KN859011



## PX74N BR

Reaction arm

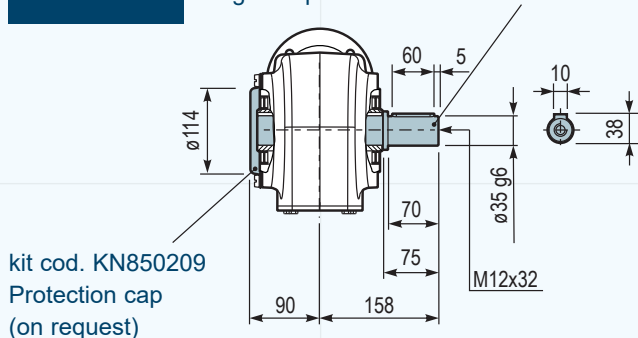
kit cod. KN859027



## PX74N A

Single output shaft

kit cod. KIX7C5028



kit cod. KN850209  
Protection cap  
(on request)

## Suggested

Stainless steel protection cap  
(on request).

kit cod. KN850209

