X73N

675Nm

BVN Series
Full stainless steel helical gearboxes

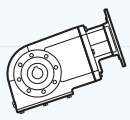
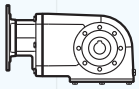
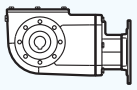
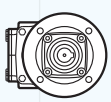
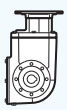
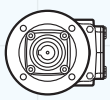
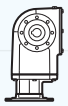
The dynamic efficiency is 0.94 for all ratios Input speed (n1) = 1400 min-1

Output speed	Ratio	Motor power	Output torque	Service factor	Nominal power	Nominal torque	B5 motor flanges		B14 motor flanges				Output shaft	Ratio code
							-	-	-R	-T	-U			
n_2 [min-1]	i	P_{1M} [kW]	M_{2M} [Nm]	f.s	P_{1R} [kW]	M_{2R} [Nm]	-	-	71	80	90			
176	7.94	4	200	1.9	7.5	380						302418		01
153	9.13	4	229	1.7	6.7	390						302416		02
131	10.66	4	268	1.5	6.0	410						302414		03
94	14.97	4	376	1.5	6.0	580						202418		04
81	17.21	4	432	1.4	5.4	600						202416		05
69	20.24	4	509	1.3	5.2	675						162418		06
60	23.27	4	585	1.2	4.5	675						162416		07
53	26.31	4	661	1.0	4.0	675						132418		08
46.3	30.25	3	760	0.9	3.5	675						132416	standard ø40	09
39.6	35.32	3	668	1.0	3.0	675						132414		10
37.8	37.03	2.2	701	1.0	2.8	675						112416		11
32.4	43.23	2.2	602	1.1	2.4	675						112414		12
30.1	46.58	2.2	649	1.0	2.3	675						82418		13
26.1	53.55	1.5	746	0.9	2.0	675						82416		14
22.4	62.52	1.1	600	1.1	1.7	675						82414		15
19.0	73.75	1.1	517	1.1	1.2	580						62416		16
16.3	86.09	0.25*	604	1.1	1.2	675						62414		17

Motor flanges available B) Supplied with reduction bushing B) Available on request without reduction bushing C) Motor flange holes position

Lubrication

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.

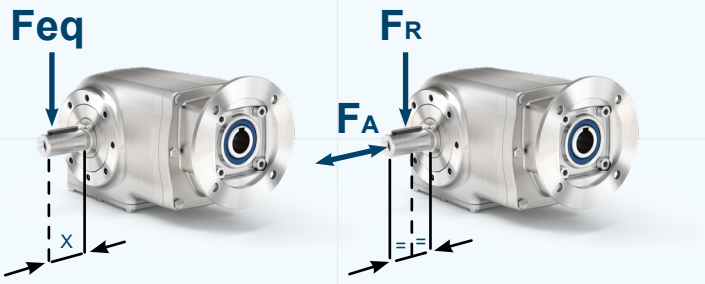
Shell Omala S4 WE 320	**Eni** Telium VSF 320	**V8** On request ASK	
B3 Standard 1.60 L		**B8** On request 2.90 L	
B6 On request 2.80 L		**V5** On request 4.60 L	
B7 On request 2.10 L		**V6** On request 3.30 L	

Radial and axial loads

Output shaft

n_2 [min-1]	Fa [N]	Fr [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

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



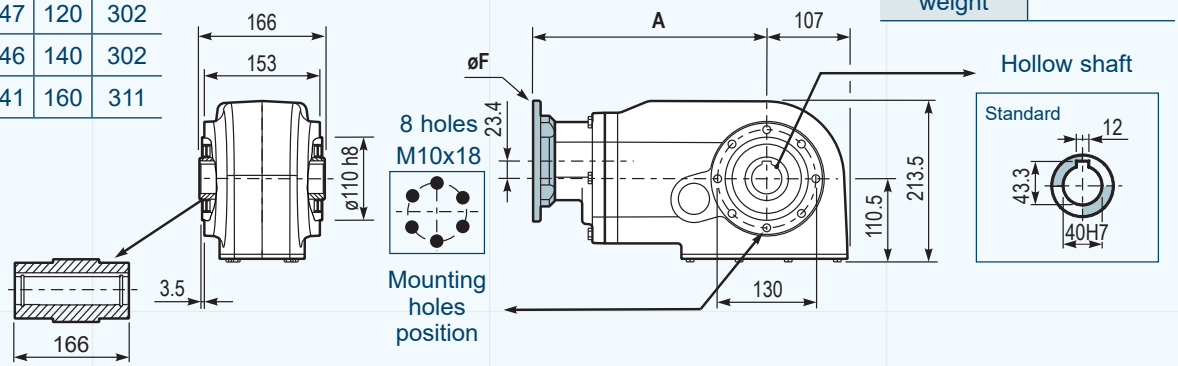
X73N

675Nm

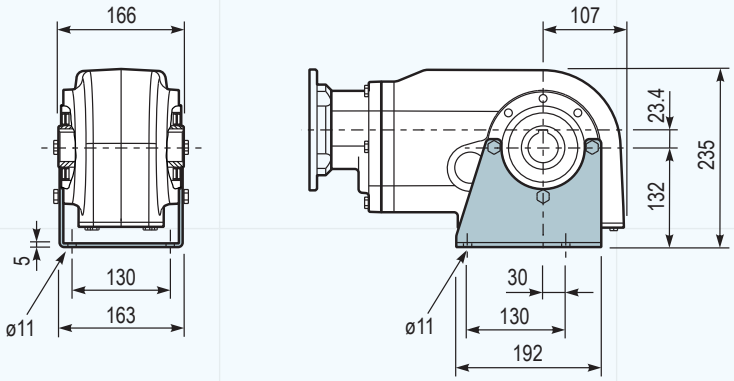
PX73NI FB Basic gearbox

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

Gearbox weight	31.0 kg

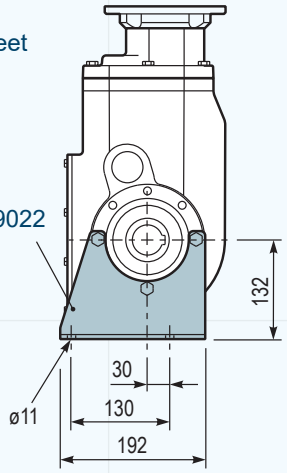


PX73N PA Feet



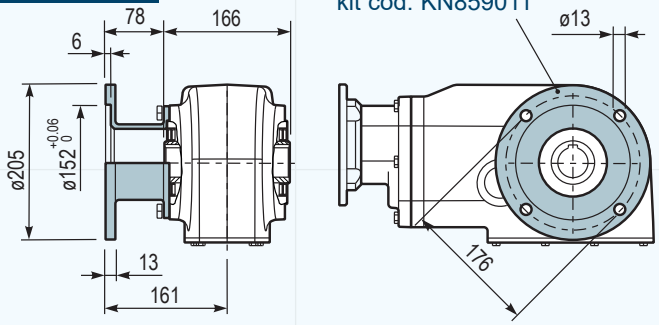
PX73N PV Feet

kit cod. KX7N9022



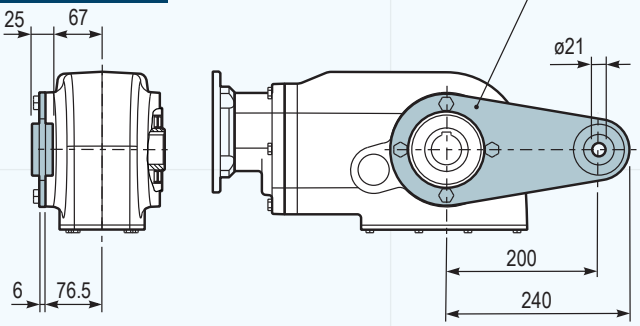
PX73N-FL Output flange

kit cod. KN859011



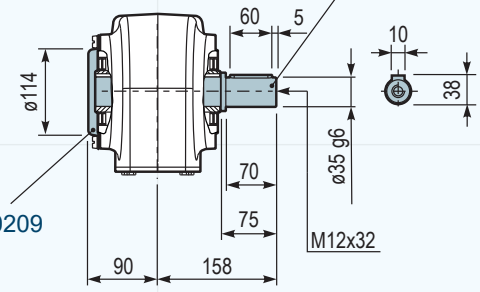
PX73N BR Reaction arm

kit cod. KN859027



PX73N A Single output shaft

kit cod. KIX7C5028



kit cod. KN850209
Protection cap
(on request)

Suggested

Stainless steel protection cap
(on request).

kit cod. KN850209