

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	70
Ratio (i=)		20
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	7.5
Service factor		1.1
Rated Power P1	[kW]	8.51

Output data

Gear unit **F RS 130 PC 20 132 B14 AC 48 B3**

Type		RS - Worm speed reducers
Input type		F
Size		130
Ratio (i=)		20
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	70
Rated output torque	[Nm]	859.5
Service Factor		1.1
Efficiency		0.84
Inertia moment	[kgm ²]	0.002805

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

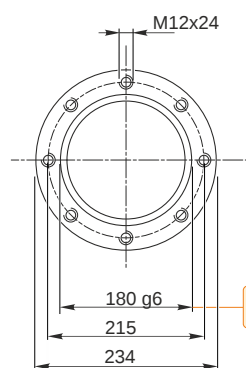
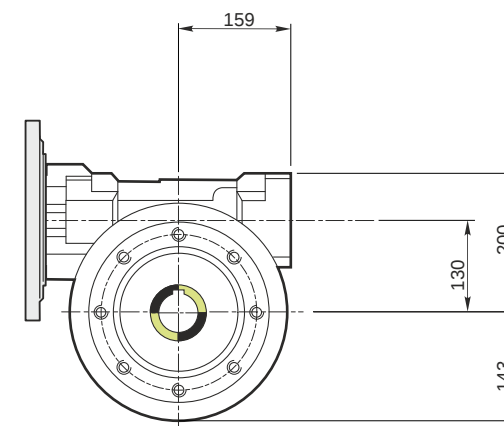
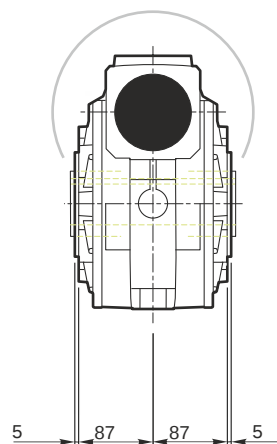
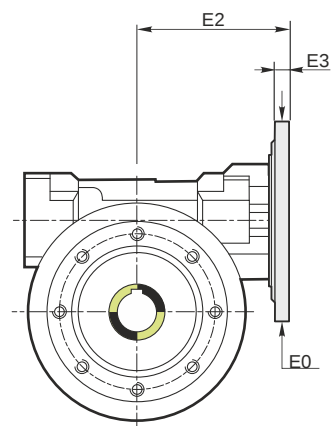
Ball bearings output radial load	[N]	6500
Taper bearings output radial load	[N]	9700
Ball bearings output axial load	[N]	1300
Taper bearings output axial load	[N]	1940

Accessories

Hollow output shaft	AC 48
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Electric motor coupling

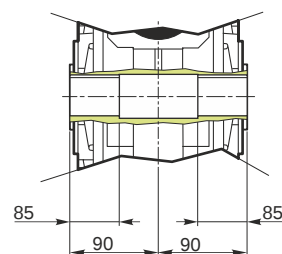
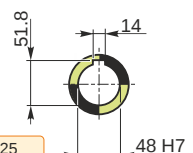
Size		132 M4
Poles n.		4
Power	[kW]	7.5

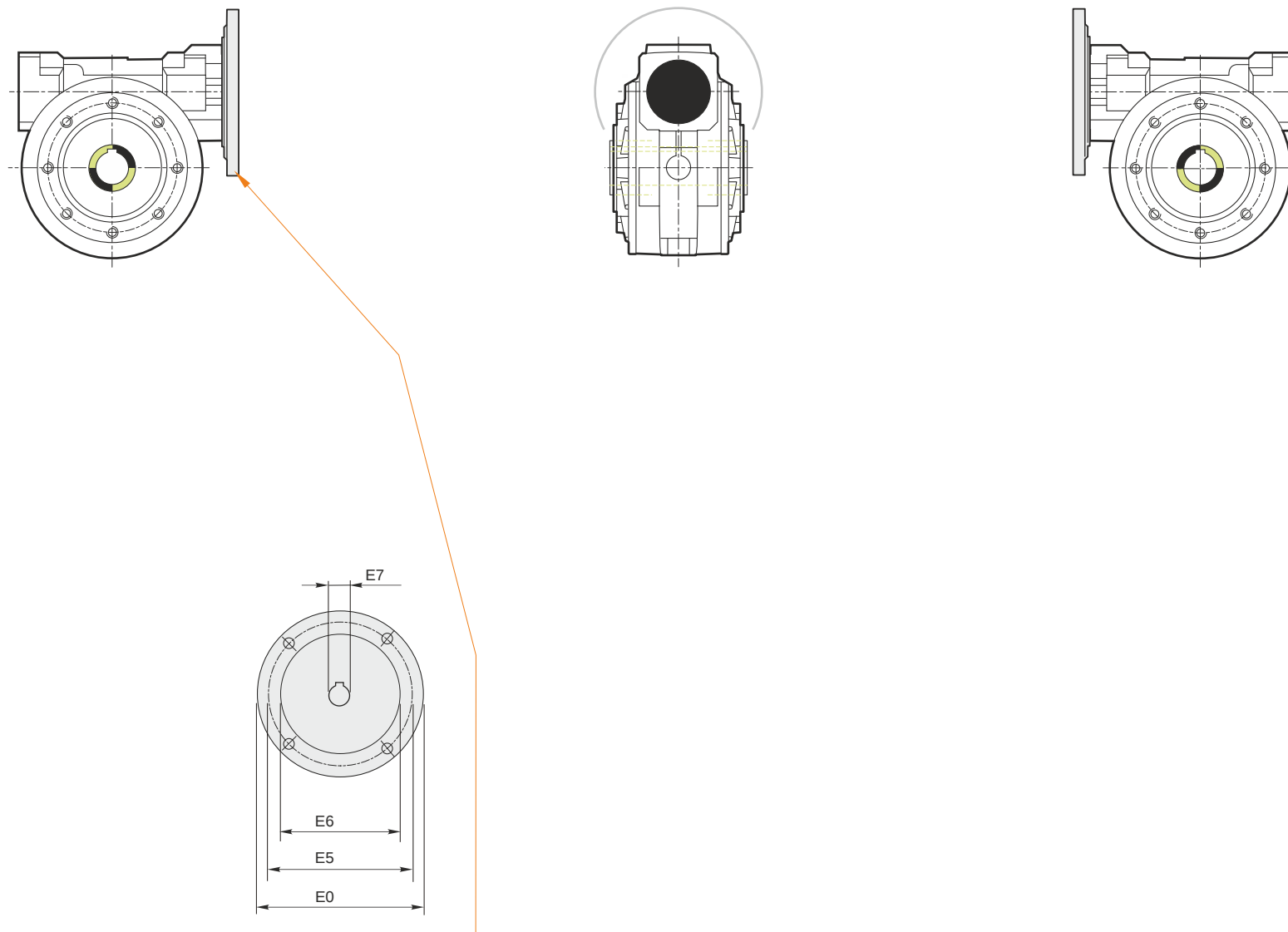


179.986
179.961

48.025
48.000

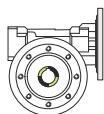
Hollow output shaft





Mounting positions

B3



B6



B7



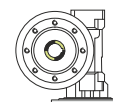
B8



V5



V6



2.75



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 50

Gearing data

Axial module	5.35
Number of starts	2
Lead angle	13° 05'
Pressure angle	20°

Backdriving

Static back-driving
Quick back-driving
Dynamic back-driving