

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	3.33
Ratio (i=)		420
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.37
Service factor		0.8
Rated Power P1	[kW]	0.3

Output data

Gear unit	M RS/RS 40/70 S (bolted) 11 420 71 B14 AC 28 MT 0.37 kW 71 B4 B14 X3 B3
------------------	--

Type		RS/RS - Worm speed reducers
Input type		M
Size		40/70
Ratio (i=)		420
Gearbox ratio		28.00
Pre-stage ratio		15.00
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	3.33
Rated output torque	[Nm]	466.42
Service Factor		0.8
Efficiency		0.44

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Feet
Version		S (bolted)
Attachment position		11

Output radial and axial loads

Ball bearings output radial load	[N]	6700
Taper bearings output radial load	[N]	7900
Ball bearings output axial load	[N]	1340
Taper bearings output axial load	[N]	1580

Accessories

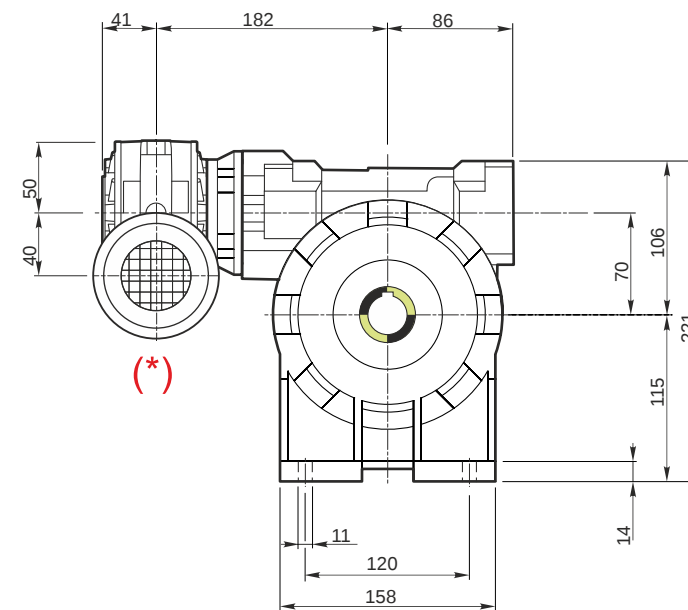
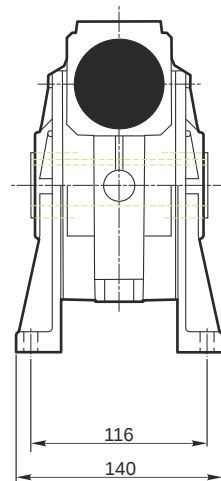
Hollow output shaft		AC 28
---------------------	--	-------

Electric motor

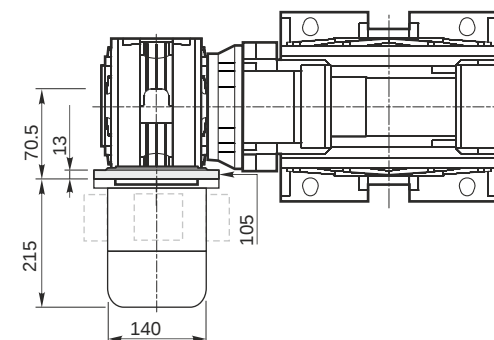
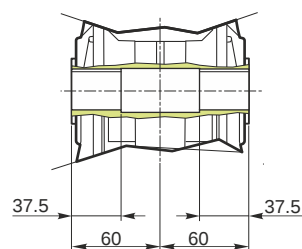
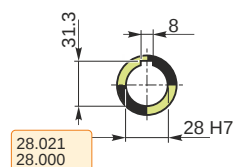
Size		71 B4
Poles		4
Power	[kW]	0.37

Electric motor configuration

Motor flange		B14
Terminal box position		X3

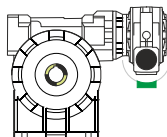


Hollow output shaft

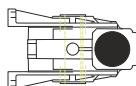


Mounting positions

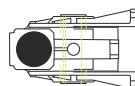
B3



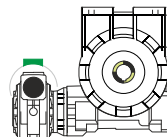
B6



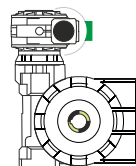
B7



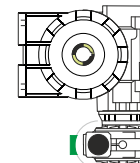
B8



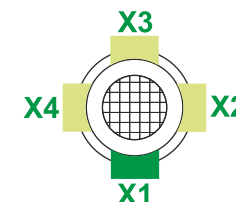
V5



V6



Terminal box position

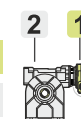


0.08

1

0.35

2

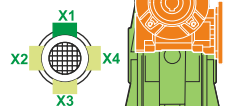


Oil quantity [litres]

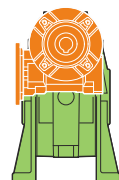
Lubricant type: Long life synthetic oil ISO VG320

Attachment position

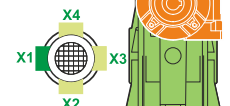
12



11



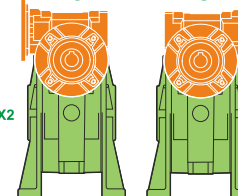
14



13



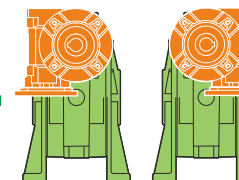
16



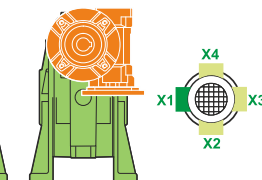
15



18



17



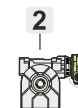
Direction of rotation



Weight

Gear unit [kg]	12
Electric motor [kg]	6.2

Gearing data 2



Axial module	3.9
Number of starts	1
Lead angle	7° 12'
Pressure angle	20° 12'

Backdriving

- Static self-locking
- Slow back-driving in case of vibrations
- Low dynamic back-driving

M RS/RS 40/70 S (bolted) 11 420 71 B14 AC 28 MT 0.37 kW 71 B4 B14 X3 B3