

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	1.79
Ratio (i=)		784
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.1
Service factor		0.9
Rated Power P1	[kW]	1.04

Output data

Gear unit **M RS/RS 70/150 S (integral) 11 784 90 B14 AC 55 MT 1.1 kW 90 S4 B14 X3 B3**

Type		RS/RS - Worm speed reducers
Input type		M
Size		70/150
Ratio (i=)		784
Gearbox ratio		28.00
Pre-stage ratio		28.00
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	1.79
Rated output torque	[Nm]	2706.09
Service Factor		0.9
Efficiency		0.46

Gear unit configuration

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

Output radial and axial loads

Ball bearings output radial load	[N]	15000
Taper bearings output radial load	[N]	19500
Ball bearings output axial load	[N]	3000
Taper bearings output axial load	[N]	3900

Accessories

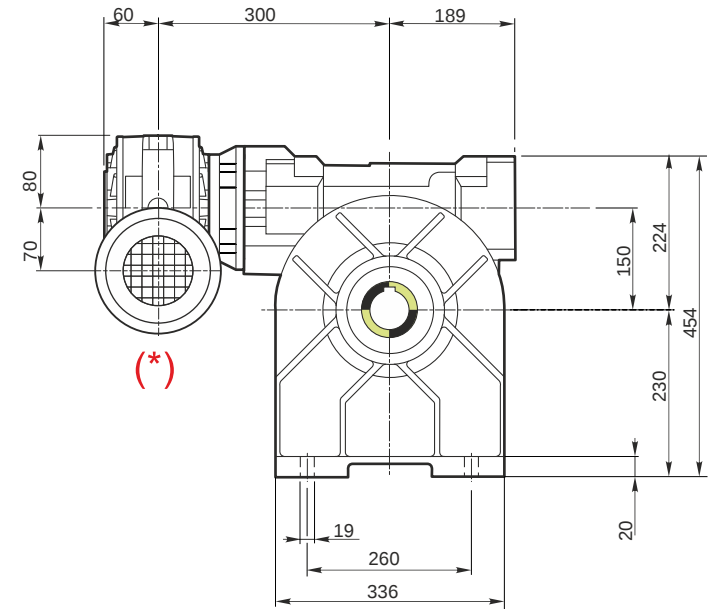
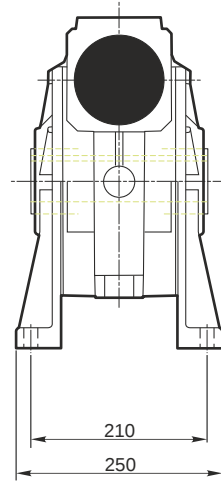
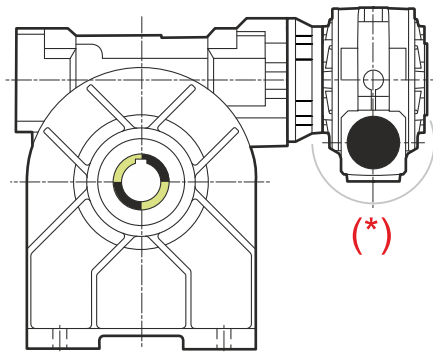
Hollow output shaft		AC 55
---------------------	--	-------

Electric motor

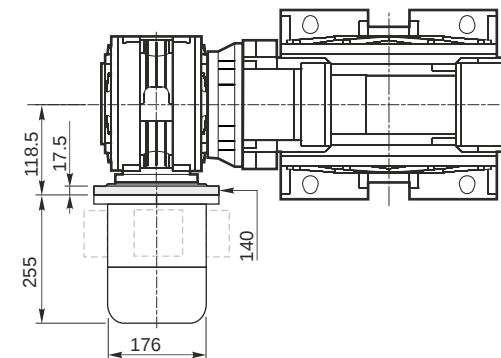
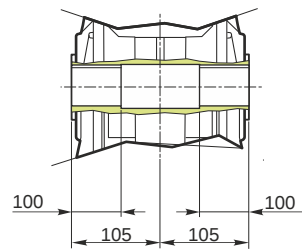
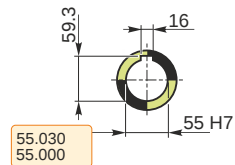
Size		90 S4
Poles		4
Power	[kW]	1.1

Electric motor configuration

Motor flange		B14
Terminal box position		X3

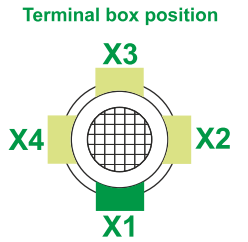
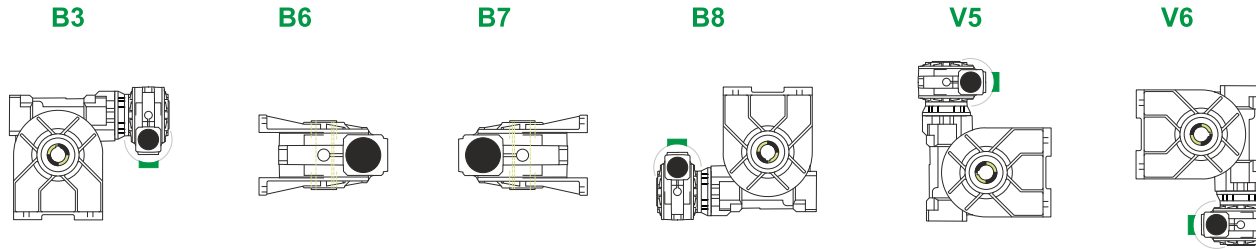


Hollow output shaft

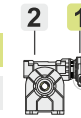


M RS/RS 70/150 S (integral) 11 784 90 B14 AC 55 MT 1.1 kW 90 S4 B14 X3 B3

Mounting positions



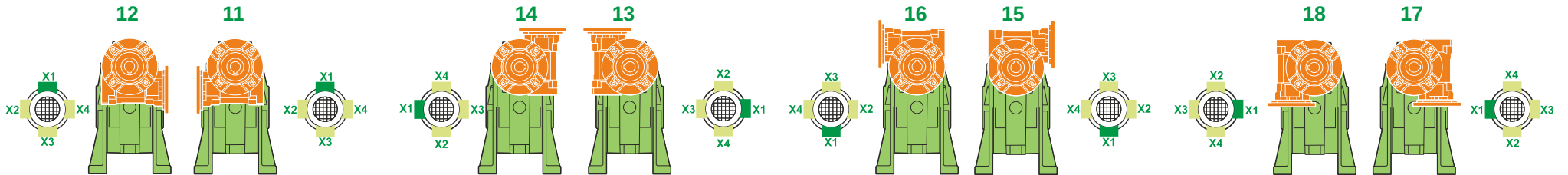
0.35	1
4.4	2



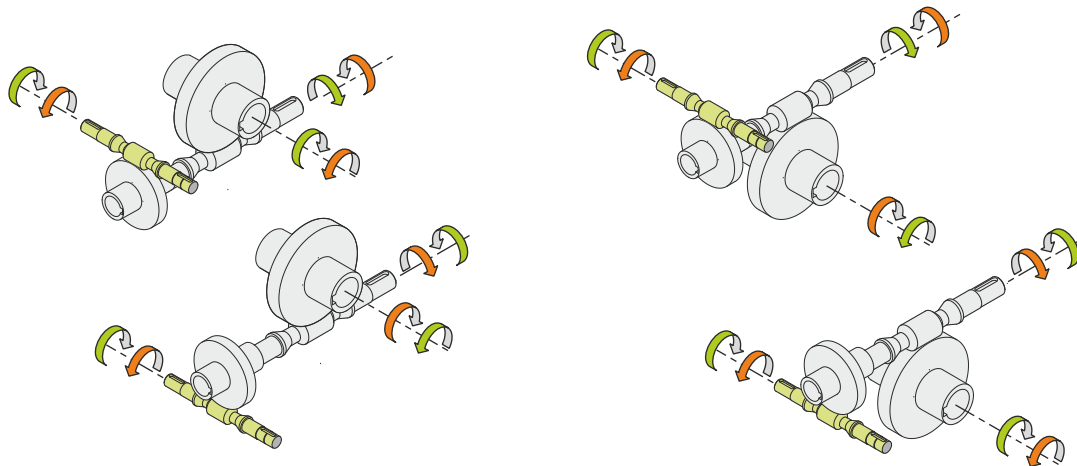
Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Attachment position



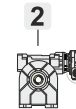
Direction of rotation



Weight

Gear unit [kg]	90
Electric motor [kg]	12

Gearing data 2



Axial module	8.45
Number of starts	1
Lead angle	70° 35'
Pressure angle	20° 35'

Backdriving

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

M RS/RS 70/150 S (integral) 11 784 90 B14 AC 55 MT 1.1 kW 90 S4 B14 X3 B3