

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	10.94
Ratio (i=)		128
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.55
Service factor		0.9
Rated Power P1	[kW]	0.49

Output data

Gear unit **M TA 80/70 B3 10 128 80 B5 AC 28 MT 0.55 kW 80 A4 B5 X3**

Type		TA - Worm speed reducers
Input type		M
Size		80/70
Ratio (i=)		128
Gearbox ratio		20.00
Pre-stage ratio		6.40
Input flange		B5
Input speed	[rpm]	1400
Output speed	[rpm]	10.94
Rated output torque	[Nm]	326.56
Service Factor		0.9
Efficiency		0.68
Inertia moment	[kgm ²]	0.000262

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Universal
Version	B3
Attachment position	10

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

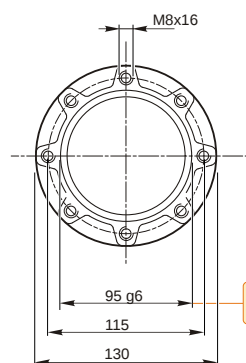
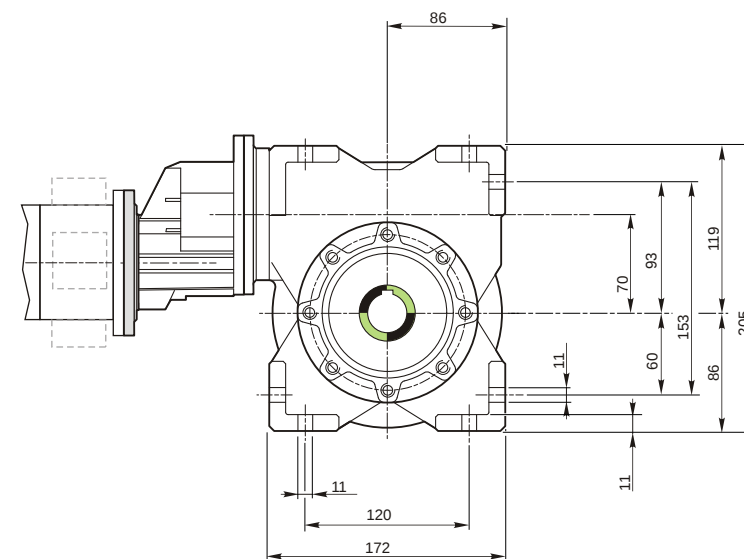
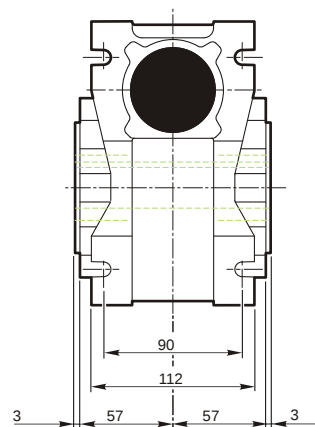
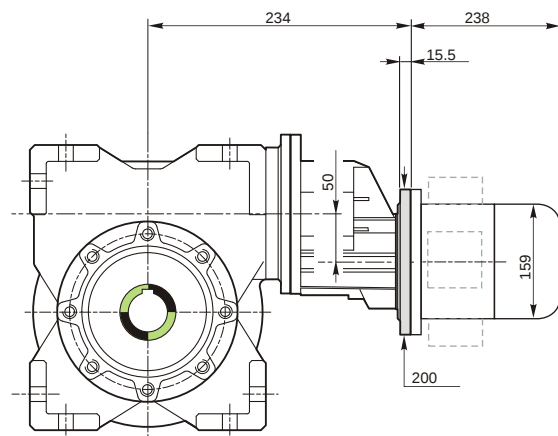
Hollow output shaft	AC 28
---------------------	-------

Electric motor

Size		80 A4
Poles		4
Power	[kW]	0.55

Electric motor configuration

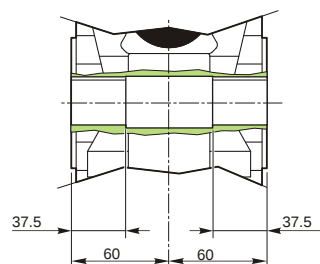
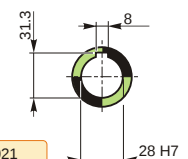
Motor flange	B5
Terminal box position	X3



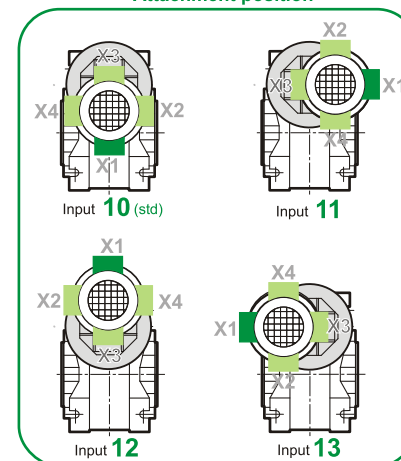
94.988
94.966

28.021
28.000

Hollow output shaft



Attachment position



M TA 80/70 B3 10 128 80 B5 AC 28 MT 0.55 kW 80 A4 B5 X3

Mounting positions

B3

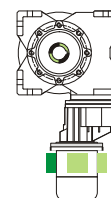
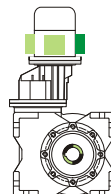
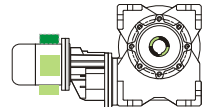
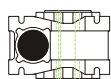
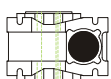
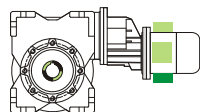
B6

B7

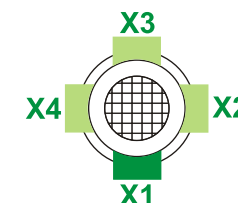
B8

V5

V6



Terminal box position



0.1

1

0.35

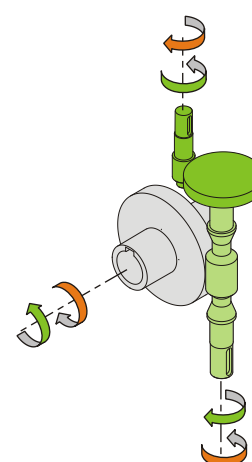
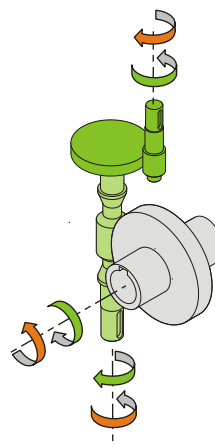
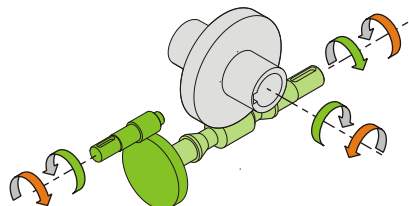
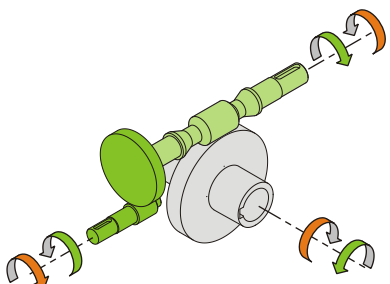
2



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	13
Electric motor [kg]	9.8

Gearing data

Axial module	2.8
Number of starts	2
Lead angle	11° 18'
Pressure angle	20°

Backdriving

Variable static self-locking
Quick back-driving in case of vibrations
Dynamic back-driving

M TA 80/70 B3 10 128 80 B5 AC 28 MT 0.55 kW 80 A4 B5 X3