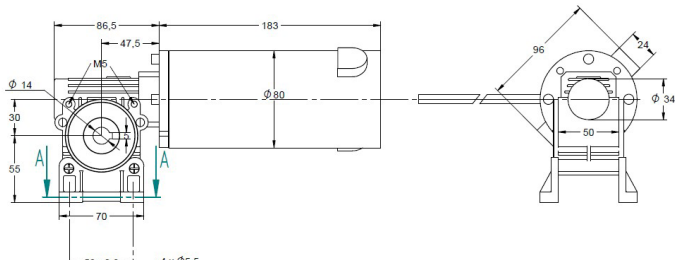


WHD80175 / Ø 80mm / 230W / 230W

DRAWING
(mm)



PHOTO



MODEL NO. DESIGNATION

WHD80175 - VOLTAGE - REDUCTION - ME / OE / B

Example: WHD80175-12-10

ME = Magnetic encoder
OE = Optical encoder
B = Brake

ADDITIONAL



Encoder



Brake

GEAR MOTOR DATA							
Reduction	10:1	15:1	20:1	25:1	30:1	40:1	50:1
Nominal torque 12 V (Nm) *	4.9	6.7	8.5	10.4	9.5	12.0	14.5
Nominal speed 12 V (rpm) *	320	213	160	128	106	80	64
Nominal torque 24 V (Nm) *	4.9	6.7	8.5	10.4	9.5	12.0	14.5
Nominal speed 24 V (rpm) *	320	213	160	128	106	80	64
Length (mm)	269	269	269	269	269	269	269
Weight (kg)	7.1	7.1	7.1	7.1	7.1	7.1	7.1

* Nominal speed and nominal torque have a tolerance of $\pm 15\%$

GEAR HEAD DATA							
Reduction	10:1	15:1	20:1	25:1	30:1	40:1	50:1
Max. continuous torque (Nm)	12	14	16	18	20	20	20
Intermittently permissible torque (Nm)	15	17	19	22	24	24	24
Efficiency (%)	72	65	62	60	46	44	42
Weight (kg)	1.6	1.6	1.6	1.6	1.6	1.6	1.6

GEAR MOTOR FEATURES AND STANDARD DATA		
	STANDARD	CUSTOMIZATION OPTIONS
Type	Worm gear brush dc gear motor	
Gear angle	Left	
Motor type	Iron core, brush commutation	Winding parameters
Motor brush type	Carbon brushes	
Motor terminals	Cable wires 200 mm	Wiring harnesses, cables, connectors
EMC filter	No	Yes
Gear	Plastic	Metal
Bearing	Ball bearing	
Shaft	Hardened stainless steel	Dimensions
Environmental protection	IP51 (with encoder or brake IP40)	
Operating temperature	-10...+60 °C	- 40...+60 °C
RoHS compliance	Yes	
CE label	No	Yes
UL approval	No	Yes
UL approval	No	Yes

MOTOR DATA		
Nominal voltage (V)	12	24
No load speed (rpm)	3600	3600
No load current (A)	4.2	2.1
Nominal speed (rpm)	3200	3200
Nominal torque (mNm)	686	686
Nominal current (A)	24	12
Stall torque (Nm)	3.8	3.8
Starting current (A)	117	58
Output (W)	230	230
Length (mm)	181	181
Weight (kg)	5.5	5.5