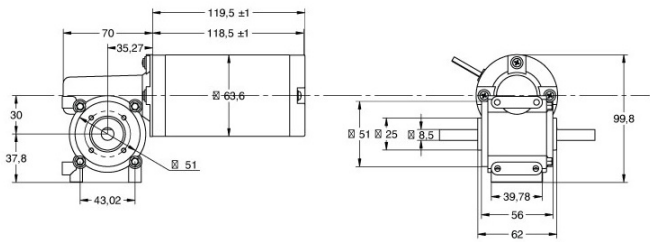


WRD63118 / Ø 63mm / 40.2W / 45.2W

DRAWING
(mm)



PHOTO



MODEL NO. DESIGNATION

WRD6093 - VOLTAGE - REDUCTION - ME / OE / B

Example: WRD6093-12-15

ME = Magnetic encoder
OE = Optical encoder
B = Brake

ADDITIONAL



Encoder



Brake

GEAR MOTOR DATA			
Reduction	10:1	15:1	30:1
Nominal torque 12 V (Nm) *	1.1	1.2	1.5
Nominal speed 12 V (rpm) *	245	163	81
Nominal torque 24 V (Nm) *	1.1	1.2	1.5
Nominal speed 24 V (rpm) *	275	183	92
Length (mm)	189.5	189.5	189.5
Weight (kg)	2.6	2.6	2.6

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

GEAR HEAD DATA			
Reduction	10:1	15:1	30:1
Max. continuous torque (Nm)	1.2	1.6	2.7
Intermittently permissible torque (Nm)	1.4	2.0	3.4
Efficiency (%)	70	50	32
Weight (kg)	1.3	1.3	1.3

GEAR MOTOR FEATURES AND STANDARD DATA		
	STANDARD	CUSTOMIZATION OPTIONS
Type	Planetary gear brush dc gear motor	
Motor type	Iron core. brush commutation	Winding parameters
Motor brush type	Carbon brushes	
Motor terminals	Soldering terminals	Wiring harnesses. cables. connectors
EMC filter	No	Yes
Gear material	Metal	
Motor pinion material	Plastic	Metal
Bearing	Sleeve bearing	
Shaft	Hardened stainless steel	Dimensions
Encoder option	Magetic/Optical (to order as option)	Through shaft dim. and screw holes
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

MOTOR DATA		
Nominal voltage (V)	12	24
No load speed (rpm)	3000	3300
No load current (A)	1.20	0.65
Nominal speed (rpm)	2450	2750
Nominal torque (mNm)	157	156
Nominal current (A)	4.3	2.4
Stall torque Nm)	1.1	1.1
Starting current (A)	26	13.5
Output (W)	40.2	45.2
Length (mm)	118	118
Weight (kg)	1.3	1.3