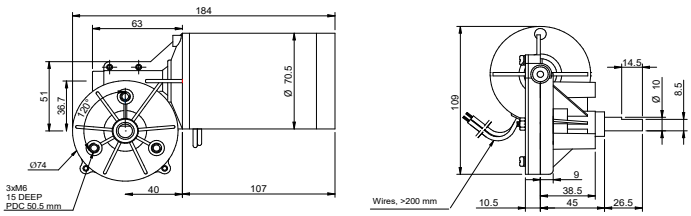
WLD70107 | Ø 70 mm | 12 V | BRUSHED DC WORM GEAR MOTOR

RoHS Reach

DRAWING (mm)



PHOTO

MODEL NO. DESIGNATION

WLD70107	-	VOLTAGE	-	GEAR RATIO	-	FEATURE

Example: WLD70107-12-65-B

B = Brake

ACCESSORIES

● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

GEAR MOTOR DATA		
Gear ratio		65:1
Nominal speed	rpm	53
Nominal torque	Nm	7.4
Peak torque	Nm	8.3
Nominal power	W	41
Gearbox efficiency	%	64
Weight	kg	2.3

OTHER GEAR MOTOR DATA			C
Service life	h	3000	
Performance tolerances	%	± 15	
Operating temperature	°C	-10 to 60	
IP rating[1]		IP40 | IP51	
Manufacturing standard		ISO 9001	
CE label | UL label		No | No	

GEARBOX DATA		C
Gearbox type	Worm gearbox	
Gear angle	Left	
Material gear	Brass and plastic	●
Bearing type	Sleeve bearing	
Shaft material	Hardened stainless steel	●

BRUSHED DC MOTOR DATA			C
Nominal voltage	V	12	
Nominal current	A	7	
Nominal speed	rpm	3500	
Nominal torque	Ncm	18	
Nominal power	W	64	
No load current	A	1.1	
No load speed	rpm	3900	
Start/stall current	A	42	
Start/stall torque	Ncm	180	
Motor commutation		Carbon brush	
Motor rotor		Iron	
Motor cable		AWG14	
Motor cable length	mm	200	
Weight	kg	1.5	

NOTES

1. IP51 without encoder, IP40 with encoder.

BRAKE DATA			C
Type		Brake activation unenergized	
Voltage	V	12 | 24	
Power	W	12	
Static friction torque	Nm	4.5	
Cable length	mm	400	
Diameter	mm	60.6	
Length	mm	34.2	
Weight	kg	0.45	

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