

PM50-38 / PM50-50 / PM50-63 permanent magnet DC motor

standard motor configured and customised for your application

MOTOR	Permanent magnet DC
SPEED	1500 - 8000 rpm
PROTECTION	IP44 - IP66
POWER	up to 450 Watts
VOLTAGE	12 - 240V DC
INSULATION	Class F
CONSTRUCTION	Ferrite magnets; aluminium end castings; single piece steel body; replaceable carbon brushes; spade connectors; maximum shaft diameter 9.5mm
EXTRAS	Ventilated motor with internal fan (IP2x); encoder to RoHS standard; 12V or 24V 2Nm failsafe holding brake; dedicated cable harness; shaft at both ends



	PM50-38			PM50-50			PM50-63		
	Power (W)	Speed (rpm)	Torque (Nm)	Power (W)	Speed (rpm)	Torque (Nm)	Power (W)	Speed (rpm)	Torque (Nm)
Continuous S1 duty (assuming 24V supply)	91	6400	0.14	110	6300	0.16	135	6200	0.21
	94	5300	0.17	110	5250	0.2	134	5200	0.25
	91	3700	0.24	110	3675	0.28	122	3650	0.33
	93	3000	0.30	104	2500	0.39	120	2970	0.39
	82	1800	0.44	94	1800	0.49	112	1750	0.62
	75	1500	0.47	89	1500	0.56	109	1580	0.67
Intermittent duty S3 30% (assuming 24V supply)	148	6400	0.22	190	6300	0.28	209	6200	0.32
	146	5300	0.26	190	5250	0.34	206	5200	0.37
	139	3700	0.36	190	3675	0.49	188	3650	0.49
	146	3000	0.47	184	2500	0.7	185	2970	0.59
	125	1800	0.66	181	1800	0.96	173	1750	0.94
	112	1500	0.71	160	1500	1.01	169	1580	1.02



ISO 9001:2000 Certificate No. FM548688

Notes: Designed to operate with PWM controllers.

Graphs are available showing the motor performance throughout the speed range.

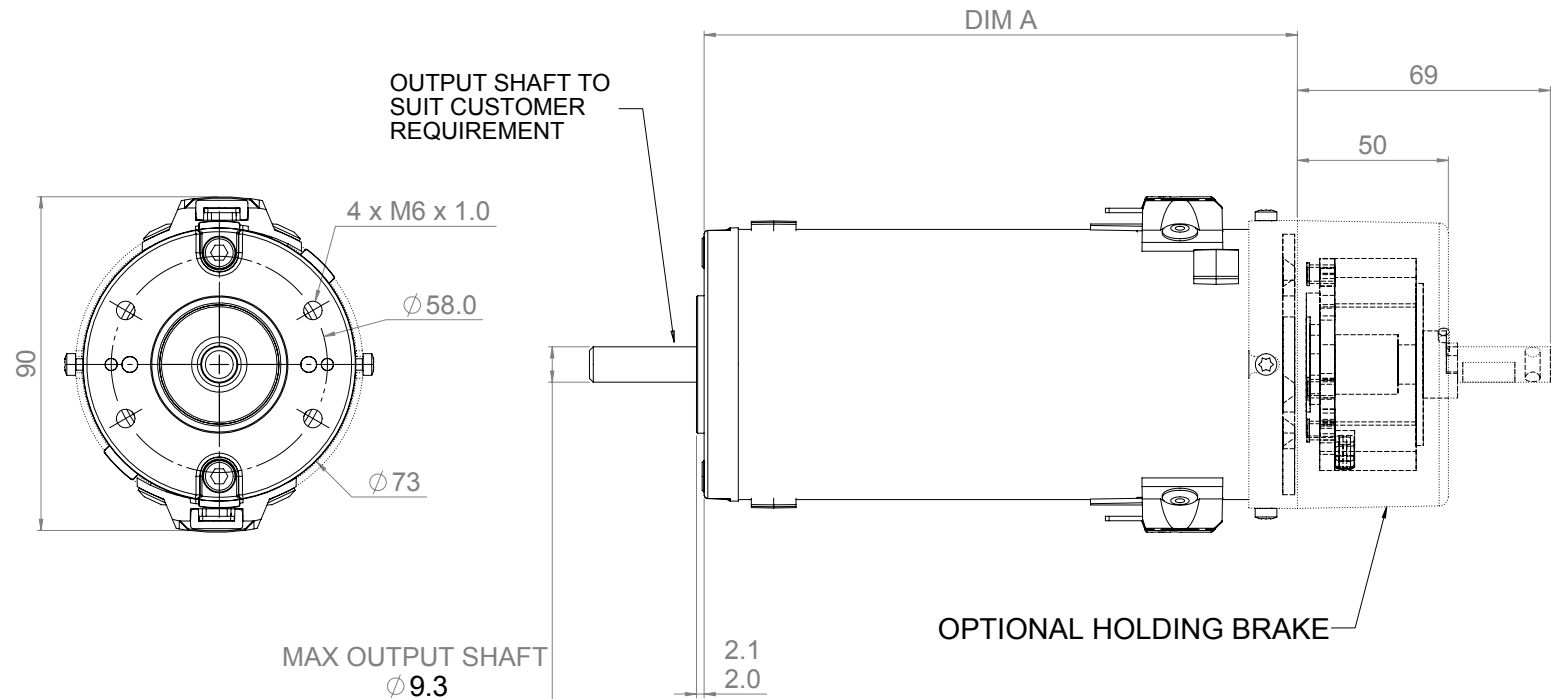
This motor may be coupled with many of our standard worm, spur and planetary gearboxes.

For customers who require in excess of 5000 units per year we offer a totally bespoke design service to fit the application; at zero cost premium. This service enables customers to outline any number of mechanical, electrical, environmental or even aesthetic requirements in order to realise their preferred motor-gearbox solution.

To find out more please contact a member of our sales team on +44 (0)1202 512 575 or visit our website at www.parvalux.com for further information.

drawing for PM50-38 / PM50-50 / PM50-63 permanent magnet DC motor

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Motor Type	Motor Weight	DIM A (mm)	
		Totally Enclosed	Ventilated
PM50-25	1.9 kg	119	130
PM50-38	1.9kg	130	145
PM50-50	2.0kg	145	155
PM50-63	2.1kg	155	165

All dimensions are in mm
Many of our drawings are available in
3D format. Please contact us with your
requirements