

PD34000 MDC Motors

Performance Features

- Continuous Torque 1/20 to 1/4 hp
- 30 lb Radial Shaft Load, 1/2" from Front Flange
- 15 lb Axial Shaft Load
- 8" Motor Leads
- Speeds up to 3450 rpm
- External Brush Structure
- Ferrite Magnetic Structure
- Standard 1/2" Shaft with Keyway
- NEMA 34 Mounting
- 2 Pole Design
- SCR Drive Compatible
- 90 Vdc Design Rating

Catalog Number	Continuous					No Load Speed rpm	Peak Stall Torque (1) Nm/oz-in	Peak Current Amps (1)	Motor Parameters			
	HP	Watts	Torque Nm/oz-in	Current Amps (1)	sps or rpm				Kc (2) V/Krpm	Kt (2) Nm/A oz-in/A	Rt (2) Ohms	L (2) mH
PD34000	1/20	37	0.20/29	0.7	1725	2075	1.22/173	3	43.37	0.37 52.40	25.99	66.97
PD34001 (3)	1/8	93	0.26/37	1.5	3450	3698	2.45/347	11	24.34	0.21 30.41	7.60	22.00
PD34002	1/8	93	0.53/75	1.4	1725	1965	3.82/540	9	45.81	0.41 58.11	9.34	30.63
PD34003 (3)	1/6	124	0.33/47	1.9	3450	3659	7.22/1020	32	24.59	0.22 31.67	2.69	8.95
PD34004 (3)	1/6	124	0.63/90	1.9	3450	3857	7.72/1091	18	48.46	0.44 62.33	4.97	18.73
PD34005 (3)	1/4	186	0.47/67	2.9	3450	3786	11.63/1642	49	26.19	0.23 33.85	1.79	5.50

Notes: 1) 100°C winding temp., all other ratings at 20°C 2) The tolerance on winding constants, resistance (+/-10%), inductance (+/-15%) 3) To avoid demag @20°C limit the start up current and voltage for the following motors: PD34001 - 9 amps & 77 Vdc, PD34003 - 19 amps & 53 Vdc, PD34004 - 15 amps & 81 Vdc, PD34005 - 29 amps & 54 Vdc

