



Motor □ MHMD042S1A

URL: <https://www.sxplc.com/motor-mhmd042s1a>

Product data sheet

Item	Specifications
Part Number	MHMD042S1A
Details	High inertia, Lead wire type, IP65
Family Name	MINAS A5
Series	MHMD Series
Type	High inertia
Protection class	IP65
About Enclosure	Except rotating portion of output shaft and leadwire end.
Environmental Conditions	For more details, please refer to the instruction manual.
Flange sq. dimension	60 mm sq.
Flange sq. dimension (Unit:mm)	60
Motor lead-out configuration	Lead wire
Motor encoder connector	Lead wire
Power supply capacity (kVA)	0.9
Voltage specifications (V)	200
Rated output (W)	400
Rated current (A (rms))	2.6
Holding brake	without
Mass (kg)	1.4

Oil seal	without
Shaft	Round
Rated torque (N ? m)	1.3
Momentary Max. peak torque (N ? m)	3.8
Max. current (A (o-p))	11.0
Regenerative brake frequency (times/min)	Without option :No limit With option :No limit Option (External regenerative resistor) Part No. : DV0P4283
About regenerative brake frequency	Please refer to the details of [Motor Specification Description] , Note: 1, and 2.
Rated rotational speed (r/min)	3000
Rated rotational Max. speed (r/min)	5000
Moment of inertia of rotor ($\times 10^{-4}$ kg ? m ²)	0.67
Recommended moment of inertia ratio of the load and the rotor	30 times or less
About recommended moment of inertia ratio of the load and the rotor	Please refer to the details of [Motor Specification Description] , Note: 3.
Rotary encoder: specifications	17-bit Absolute/Incremental system
Notice	When using a rotary encoder as an incremental system (not using multi-turn data), do not connect a battery for absolute encoder.
Rotary encoder: Resolution	131072

