



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 |

