Panasonic MHMF042L1U2M

Item	Specifications
Part Number	MHMF042L1U2M
Product details	High inertia, Lead wire type

Item	Specifications
Family Name	MINAS A6
Series	MHMF Series
Type	High inertia
Special Order Product	Please avoid the motor, or equipment containing the motor to be distributed to Japan, or other regions through Japan.
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.

Item	Specifications
Flange size (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)	2.1
Holding brake	without
Mass (kg)	1.2
Oil seal	with

Item	Specifications
Shaft	Key-way, center tap
Rated torque (N · m)	1.27
Continuous stall torque (N · m)	1.40
Momentary Max. peak torque (N · m)	4.46
Max. current (A 0-p)	10.4
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.

Item	Specifications
Rated rotational speed (r/min)	3000
Max. rotational speed (r/min)	6500
Inertia of rotor (x10^{-4} kg · m²)	0.56
Recommended inertia ratio	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	23-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	8388608

Permissible load

Item	Specifications
During assembly: Radial load P-direction (N)	392
During assembly: Thrust load A-direction (N)	147
During assembly: Thrust load B-direction (N)	196
During operation: Radial load P-direction (N)	245
During operation: Thrust load A, B-direction (N)	98
About permissible load	For details, refer to the [Motor Specification Description] "Permissible Load at Output Shaft".

Applicable Driver

Specifications and design of the products are subject to change without notice for the product improvement.

Part Number	Series	Type	I/F Classification of type	Frame	Supply voltage
MBDLN25NE	A6NE series	RTEX, Ultra high-speed Network (Basic type)	RTEX	B-Frame	Single/3-phase 200 V
MBDLN25SE	A6SE series	Position control type	Pulse train only	B-Frame	Single/3-phase 200 V
MBDLN25SG	A6SG series	RS485/RS232 Communication type	Pulse, Modbus (RS485 /RS232)	B-Frame	Single/3-phase 200 V
MBDLT25NF	A6NF series	RTEX, Ultra high-speed Network type (Multi type)	RTEX	B-Frame	Single/3-phase 200 V
MBDLT25SF	A6SF series	Multifunction type	Analog /Pulse, Modbus (RS485 /RS232)	B-Frame	Single/3-phase 200 V

Torque characteristics

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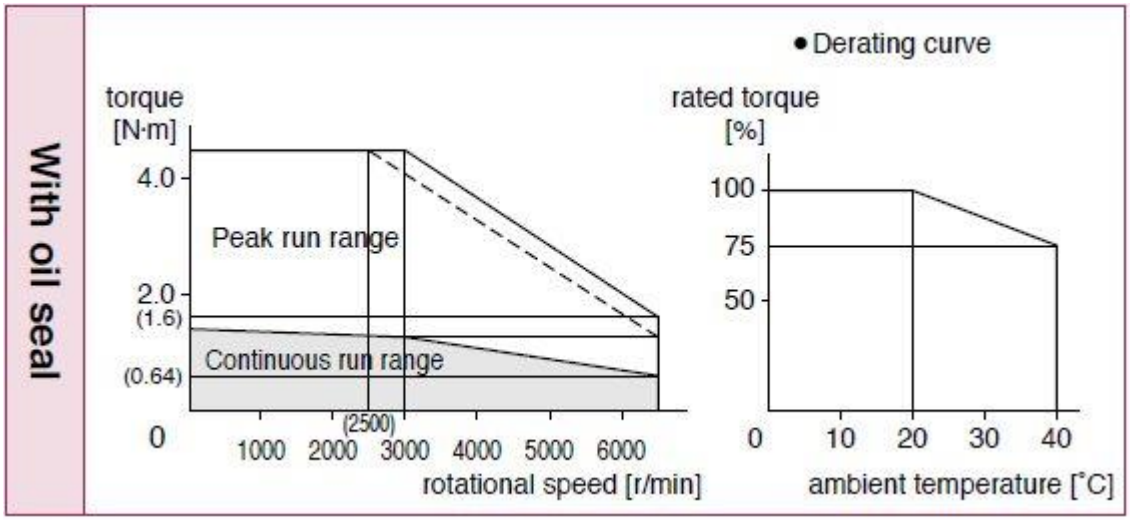

Dotted line represents the torque at 10 % less supply voltage.

Dimensions

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[Unit: mm]