

iMaster Micro Drive U1

0.4kW ~ 3.7kW for 200V/400V

Powerful Starting Torque and Improved Reliability

- V/F with Auto Torque Boost, Sensorless Vector Control
- High Torque at low speed (150% @ 1Hz)

Improved Reliability

- Conformity to Global Standards; UL, CE, RoHS
- Conformal coating of internal PC board for harsh environment

High Performance

- Traverse control and pattern operation included in standard software
- Advanced PID built-in
- Lifetime 40,000hrs



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iMaster U1 Line-up : 1Phase 200V 0.4~2.2kW / 3Phase 400V 0.4~3.7kW

Model	004	007	015	022	004	007	015	022	037
Voltage [V]	1Φ 200~240				3Φ 380~480				
Applicable Motor [kW]	0.4	0.7	1.5	2.2	0.4	0.7	1.5	2.2	3.7
Rated Output Current [A]	2.5	4.2	7.5	10	1.5	2.5	4.2	5.5	9
FRAME	M1		M2		M2				M3
Cooling	Forced				Natural		Forced		

Specifications

Frequency Control Range	0.01 to 400Hz
Carrier Frequency	1-16kHz (default :2kHz)
Acceleration / Deceleration	0.1-600sec (Linear, S curve, U curve)
Starting Torque	100% / 5 Hz (V/f Control) , 150% / 1 Hz (Sensorless Vector Control)
Ambient Temperature	-10 to 50℃ / Side by Side Installation : -10 to 40℃
Humidity	95% RH or less (no condensation)
Protective Design	IP20 open-chassis

Dimension

Frame	M1	M2	M3
W [mm]	68	108	140
H [mm]	128	128	128
D [mm]	128	142	147

