

		1-phase 240V No Brake Circuit				3-phase 400V No Brake Circuit				3-phase 400V with Brake Circuit					
Inverter M-Series Model:		MES2-240N	MES2-275N	MES2-315N	MES2-322N	MET4-275N	MET4-315N	MET4-322N	MET4-337N	MET4-275B	MET4-315B	MET4-322B	MET4-337B		
Output Characteristics	Maximum Motor Output (KW)	0.55	1.1	1.5	2.2	0.75	1.5	2.2	3.7	0.75	1.5	2.2	3.7		
	Maximum Motor Output *(HP)	0.5	1	2	3	1	2	3	5	1	2	3	5		
	Rated Capacity (kVA)	1.1	1.9	2.5	4.2	2.0	3.0	3.7	6.1	2.0	3.0	3.7	6.1		
	Continuous Rating (A)	3.0	5.0	6.5	11	2.6	4.0	4.8	8.0	2.6	4.0	4.8	8.0		
	Max. Output Voltage (V)	3-phase, 240V(proportional to input voltage)					3-phase,380 to 460 V(proportional to input voltage)								
	Rate Output Frequency	400 Hz (programmable)													
Power Supply	Rate Input Voltage and Frequency	1-phase, 200/208/220/240V, 50/60 Hz					3-phase, 380/400/415/440/460 V, 50/60 Hz								
	Allowable Voltage Fluctuation	-15% to +10%													
	Allowable Frequency Fluctuation	± 5%													
Control Characteristics	Control Method	Sine wave PWM with full-range (V/F-control), automatic torque boost													
	Frequency Control Range	0.1 to 400 Hz													
	Frequency Accuracy	Digital reference:± 0.01% (-10 to 50°C), Analog reference: ± 0.1Hz (25 ±10°C)													
	Frequency Setting Resolution	Digital reference: 0.01 Hz (less than 100 Hz), 0.1 Hz (100 Hz or more), Analog reference: 1/1000 of max. output frequency													
	Output Frequency Resolution	0.01 Hz													
	Frequency Reference Signal	0 to 10 VDC (20kΩ), 4 to 20mA (250Ω)													
	Accel/Decel Time	0.0 to 600 sec. (accel/decel time are independently programmed)													
	Overload Capacity	150% of rated output current for 1 minute													
	Approx. Braking torque	Not provide										20%up to 150% with option braking resister			
V/f Characteristics	Possible to program any V/F pattern														
Protection Functions	Motor Overload Protection	Electronic thermal overload relay (I ² T)													
	Instantaneous Overcurrent	Motor coasts to stop at approx.200% rated output current													
	Overload	Motor coasts to stop after 1 min. at 150% of rated output current													
	Overvoltage	Motor coasts to stop if DC bus voltage exceeds 410V					Motor coasts to stop if DC bus voltage exceeds 820 V								
	Undervoltage	Stops when DC bus voltage is approx. 170V or less					Stops when DC bus voltage is approx. 420 V or less								
	Momentary Power Loss	Stop if power loss is 15ms or longer (operation automatically restarts at recovery from momentary power loss of approx. 0.5seconds by selection of operation mode)													
	Cooling Fin Overheat	Protected by electronic circuit													
	Ground Fault	Provided by electronic circuit													
	Power Charge Indication	Charge LED stays on until voltage drops below 50 VDC													
Operating conditions	Input signals	Operation signal	Forward run/reverse run by individual command												
		Fault reset	Release protection while the function is operating												
		Multifunction input selection	Not provide					Multifunction contact input : Two of the following signals available to select., External fault, multispeed command, jog operation, accel/decel time select, 3-wire sequence, external baseblock, speed search command.							
	Output signals	Operation state (photocoupler output)	Not provide					Multifunction contact output : Two of the following signals available to select. (48VDC, 50mA or less) During running output, zero speed, agreed frequency, output frequency > set value, during overtorque detection.							
			1 NO/NC contact output (250Vac 3A, 30Vdc 3A or less)												
		Built-in function	The following setup is available : Frequency reference bias/gain, upper/lower frequency limit. DC injection braking current/time at start/stop, full automatic torque boost, frequency meter calibrating gain, fault retry, prohibited frequency, S-curve accel/decel.												
	Monitor Display Function	LED status display	Displays contents at RUN/STOP and protective function operation.												
Keypad operator		Displays set frequency, output frequency, output current, rotating direction, and the contents at protective function operation.													
Analog output monitor		Not provide					Analog output (0 to 10 VDC), Possible to select output frequency or output current.								
Environmental Conditions	Enclosure	IP20													
	Cooling Method	Cooling fan													
	Location	Indoor (free from corrosive gases or dust)													
	Ambient Temperature	-10 to +40 °C													
	Storage Temperature	-20 to +60 °C													
	Humidity	95% RH or less (non-condensing)													
	Vibration	Up to 9.8 m/s ² (1G) at 10 to less than 20 Hz Up to 2m/S ² (0.2G) at 20 to 50 Hz													
Physical	Dimensions WxHxD (mm)	84x160x160													
	Mounting Dimensions W1xH1 (mm)	74x150 (Screw M4 Hole)													
	Weight (kg)	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.5		