



## JCSD100

### Product Range

0.4~2.2kW(0.5~3HP) 1-Phase 200~240Volts  
0.4~15kW(0.5~20HP) 3-Phase 200~240Volts  
0.4~75kW(0.5~100HP) 3-Phase 380~480Volts  
IP66 NEMA4X 0.4~15kW(0.5~20HP) 3-Phase 200~240Volts  
IP66 NEMA4X 0.4~22kW(0.5~30HP) 3-Phase 380~480Volts

## JCMD100

### Product Range

0.1~2.2kW (0.125~3HP) 1-Phase 200~240V  
0.18~0.75kW (0.25~1HP) 1-Phase 115V

# JIE JC Drive



Model name		JCMD100	JCSD100	
			IP20(NEMA1)	IP66(NEMA4X)
Voltage & Capacity		1Ø 230V : 0.125~3HP	1Ø 230V 0.5~3.0HP 3Ø 230V 0.5~20HP 3Ø 460V 0.5~100HP	3Ø 230V 0.5HP~20HP 3Ø 460V 0.5HP~30HP
Control Method	V/F Control	Standard	Standard	
	Sensor-less Vector	-	Standard	
	Sensored Vector	-	-	
Input Terminal	Multifunction Terminal	5 Inputs (P1~P5)	5 Inputs (P1~P5)	
	Analog Input (Current)	-	1 Input (0~10V or 0~20mA)	
	Analog Input (Voltage)	1 Inputs (0~10V)		
	Relay Output	2 Outputs (5 port)	1 Output (3 port)	
Output Terminal	Open Collector Output	-	1 Output (2 port)	
	Analog Output	1 Outputs (0~10V)	1 Output (0~10V or 0~20mA) <small>Note 1)</small>	
Enclosure Class		IP20	0.5HP~100HP: IP20 (Standard), UL Type1 (Option)	0.5HP~30HP : IP66
Keypad		LED 7-segment	LED 7-segment : 0.5~30HP LCD graphic : 40~100HP	LED 7-segment : 0.5~30HP
Remote Cable		1m/2m /3m /5m	1m/2m / 3m/5m	
Brake Unit		Standard built-in (2.0~3.0HP)	Standard built-in (0.5~30HP) Option (40~100HP)	Standard built-in (0.5~30HP)
EMC Filter		Standard built-in (0.5~3.0HP)	Standard built-in (400V class 7.5~30HP)	-
DC Reactor		-	Standard built-in (400V class 40~100HP)	-
Communications		RS485 (Advanced I/O Standard built-in)	RS485 (Standard built-in), Modbus TCP, EtherCAT, EtherNet/IP, PROFINet, Profibus-DP, CANopen (Option)	
Cooling System		Forced air cooling by fan		
Ambient Temperature		-10℃~50℃ (2.5% /℃ current derating at 40℃ or above 75% of the rated current operable at 50℃); without any ice or frost		
Ambient Humidity		Relative humidity 95% RH or below (without any dew formation)		
Storage Temperature		-20℃ ~ 65℃		
Surrounding Environment		Non- corrosive gas, flammable gas, oil residue and dust at the indoor environment		
Altitude		1,000m above sea level (From 1,000m or more, voltage/output current derating by 1% for every 100m elevation; up to 4,000m)		
Vibration		9.8m/sec <sup>2</sup> (1.0G) or below		
Ambient Air Pressure		70 ~ 106kPa		
Protective Function	Alarm	Stall prevention, overload, light load, fan failure, keypad command loss, speed command loss		
	Trip	Overvoltage, overcurrent, undervoltage, external trip, grounding current detection, drive overheat, electric motor overheat, I/O phaseopen, overload protection, communication error, frequency command loss, hardware failure, cooling fan failure, no motor trip, etc.		

Note 1) In case of 40~100HP, Analog 1 output(0~10V) is additionally provided.