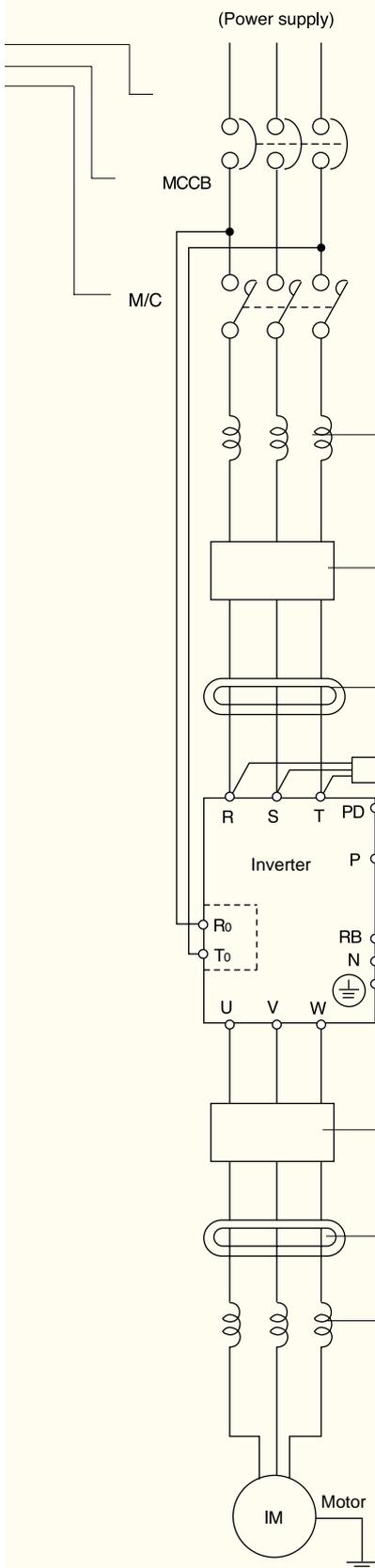


Wiring and Options

Motor output(kW)	Model	Wiring			(MCCB)	M/C	
		R,S,T,U,V, W,P,N,PD	P,RB	Signal lines			
200 V	5.5	N300-055LF	5.5mm ²	5.5mm ²	0.75mm ² Shielded wire	HBH53(50A)	HMC20W
	7.5	N300-075LF	8mm ²	5.5mm ²		HBH103(60A)	HMC27W
	11	N300-110LF	14mm ²	5.5mm ²		HBH103(75A)	HMC37W
	15	N300-150LF	22mm ²	-		HBH103(100A)	HMC50W
	18.5	N300-185LF	30mm ²	-		HBH103(100A)	HMC80W
	22	N300-220LF	38mm ²	-		HBH203(150A)	HMC90W
	30	N300-300LF	60mm ² (22mm ² × 2)	-		HBH203(200A)	HMC110W
	37	N300-370LF	100mm ² (38mm ² × 2)	-		HBH203(225A)	HMC130W
	45	N300-450LF	100mm ² (38mm ² × 2)	-		HBH203(225A)	HMC180W
	55	N300-550LF	150mm ² (60mm ² × 2)	-		HBH403(350A)	HMC210W
400 V	5.5	N300-055HF	2mm ²	2mm ²	0.75mm ² Shielded wire	HBH53(30A)	HMC15W
	7.5	N300-075HF	3.5mm ²	3.5mm ²		HBH53(30A)	HMC20W
	11	N300-110HF	5.5mm ²	5.5mm ²		HBH53(50A)	HMC27W
	15	N300-150HF	8mm ²	-		HBH103(60A)	HMC37W
	18.5	N300-185HF	14mm ²	-		HBH103(60A)	HMC37W
	22	N300-220HF	14mm ²	-		HBH103(75A)	HMC50W
	30	N300-300HF	22mm ²	-		HBH103(100A)	HMC70W
	37	N300-370HF	38mm ²	-		HBH103(100A)	HMC80W
	45	N300-450HF	38mm ²	-		HBH203(150A)	HMC90W
	55	N300-550HF	60mm ²	-		HBH203(175A)	HMC110W
	75	N300-750HF	100mm ² (38 × 2)	-		HBH203(225A)	HMC130W
	90	N300-900HF	100mm ² (38 × 2)	-		HBH203(225A)	HMC180W
	110	N300-1100HF	150mm ² (60 × 2)	-		HBH403(350A)	HMC210W
132	N300-1320HF	80mm ² × 2	-	HBH403(350A)	HMC300W		

NOTE1) Field wiring connection must be made by a UL listed and C-UL certified closed-loop terminal connector sized for the wire gauge involved. Connector must be fixed using the crimp tool specified by the connector manufacturer.

NOTE2) Be sure to use bigger wires for power lines if the distance exceeds 20m.



Input-side AC reactor	This is useful in suppressing harmonics induced on the power supply lines, or when the main power voltage imbalance exceeds 3%(and power source capacity is more than 500kVA), or to smooth out line fluctuations. It also improves the power factor.
EMI filter	Reduces the conducted noise on the power supply wiring generated by the inverter. Connect to the inverter input side.
Radio noise filter	Electrical noise interference may occur on nearby equipment such as a radio receiver. This magnetic choke filter helps reduce radiated noise (can also be used on output).
Radio noise filter (Capacitive filter)	This capacitive filter reduces radiated noise from the main power wires in the inverter input side.
DC link choke	Suppresses harmonics generated by the inverter
Braking resistor	This is useful for increasing the inverter 's control torque for high duty-cycle (on-off) applications, and improving the decelerating capability
Braking unit	
Output side noise filter	Reduces radiated noise from wiring in the inverter output side
Radio noise filter	Electrical noise interference may occur on nearby equipment such as a radio receiver. This magnetic choke filter helps reduce radiated noise (can also be used on input)
AC reactor	This reactor reduces the vibration in the motor caused by the inverter 's switching waveforms, by smoothing the waveforms to approximate commercial power quality. It is also useful when wiring from the inverter to the motor is more than 10m in length, to reduce harmonics
LCR filter	Sine wave shaping filter for the output side.