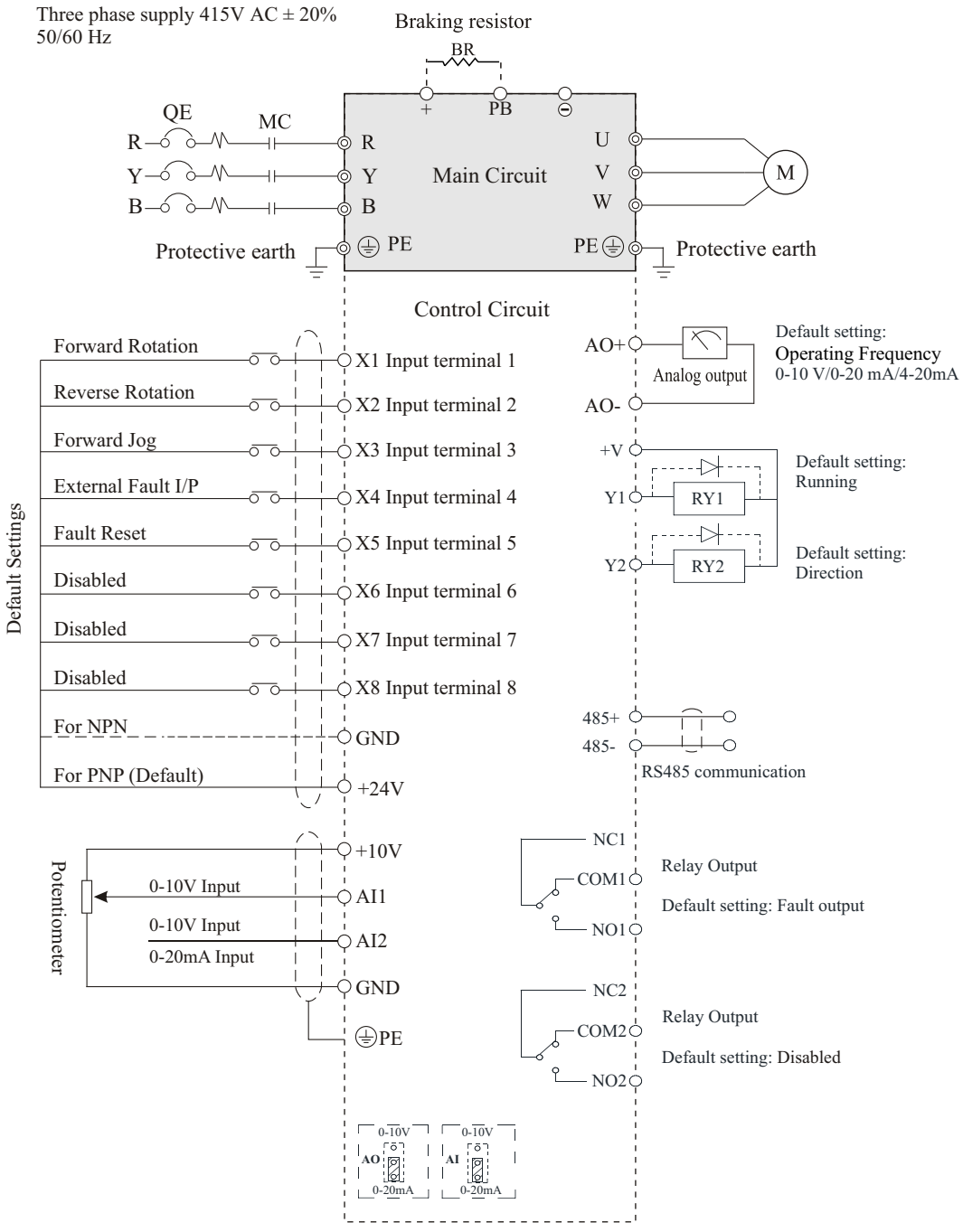
Protection level	IP20
Pollution degree	2
Installation location	Indoor, <1000 m altitude above sea level
Ambient working temperature	-10 °C ~ +60 °C
Storage / Transportation temperature	-20 °C ~ +65 °C
Ambient humidity	<90 %, No condensation
Vibration	<5.9 m/s^2 (0.6 g)

Connection diagram



Note : PNP & NPN settings can be changed in P5-12

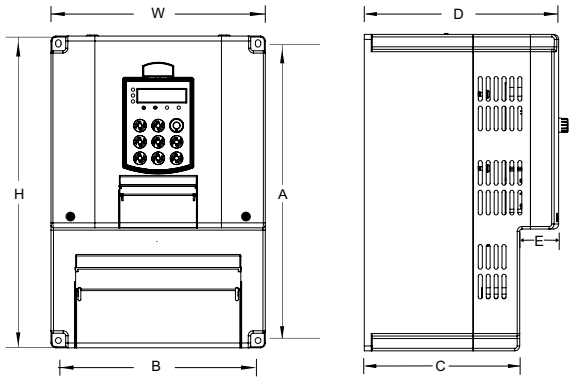
Variable Frequency Drive

Model description

MODEL: VFD - SH - 3 - 050 - B - 415V

- 415V — Supply voltage: 230V / 415V
- B — A-No breaking unit; B-In-built breaking unit
- 050 — Motor configuration: 002-0.25HP, 005-0.5HP, 010-1HP, 020-2HP, 030-3HP, 050-5 HP, 075-7.5 HP, 100-10 HP, 150-15 HP, 200-20 HP, 250-25 HP, 300-30 HP
- 3 — Input voltage phase: 1 - Single phase; 3 - Three phase
- SH — Product series: S - Standard series; H - Heavy duty
- VFD — Model VFD

Dimensions





							Weight
							(kg)
VFD-S-1-002-230V	141	80.5	150	89	123	5.2	0.96
VFD-S-1-005-230V							0.96
VFD-S-1-010-230V							0.98
VFD-S-1-020-230V							1
VFD-S-1-030-230V							1.03
VFD-S-3-005-415V							0.96
VFD-S-3-010-415V							0.98
VFD-S-3-020-415V							1.03
VFD-S-3-030-415V							1.03
VFD-S-3-050-415V							1.03
VFD-S-1-050-230V	240	148	247	160	173	10	3.58
VFD-SH-3-050-B-415V							3.58
VFD-SH-3-075-B-415V							3.66
VFD-SH-3-100-B-415V							3.78
VFD-SH-3-150-B-415V	305	205	320	220	196.5	10	7.07
VFD-SH-3-200-B-415V							7.28
VFD-SH-3-250-B-415V							7.50
VFD-SH-3-300-B-415V							7.75

Ordering information

VFD-S-1-002-230V	1 phase input 230V AC, 3 phase output 0 to rated Input voltage 0.25HP/0.18kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display	Built In	100W 700Ω	1A
VFD-S-1-005-230V	1 phase input 230V AC, 3 phase output 0 to rated Input voltage 0.5HP/0.4kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display	Built In	100W 700Ω	2.5A
VFD-S-1-010-230V	1 phase input 230V AC, 3 phase output 0 to rated input voltage 1HP/0.75kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)	Built In	150W 360Ω	5A
VFD-S-1-020-230V	1 phase input 230V AC, 3 phase output 0 to rated input voltage 2HP/1.5kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)	Built In	200W 200Ω	7A
VFD-S-1-030-230V	1 phase input 230V AC, 3 phase output 0 to rated input voltage 3HP/2.2kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display	Built In	300W 120Ω	11A
VFD-S-1-050-230V	1 phase input 230V AC, 3 phase output 0 to rated Input voltage 5HP/3.7kW, General purpose series (8 DIs, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)	Built In	600W 70Ω	18A
VFD-S-3-005-415V	3 phase input 415V AC, 3 phase output 0 to rated Input voltage 0.5HP/0.4kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)	Built In	200W 850Ω	1.2A
VFD-S-3-010-415V	3 phase input 415V AC, 3 phase output 0 to rated Input voltage 1HP/0.75kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)	Built In	200W 850Ω	2.5A
VFD-S-3-020-415V	3 phase input 415V AC, 3 phase output 0 to rated input voltage 2HP/1.5kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)	Built In	350W 500Ω	3.7A
VFD-S-3-030-415V	3 phase input 415V AC, 3 phase output 0 to rated input voltage 3HP/2.2kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)	Built In	550W 450Ω	5.1A
VFD-S-3-050-415V	3 phase input 415V AC, 3 phase output 0 to rated input voltage 3HP/2.2kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display, Compact)	Built In	500W 300Ω	9A
VFD-SH-3-050-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 5HP/3.7kW, General purpose series (8 DIs, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)	Built In	350W 150Ω	9A
VFD-SH-3-075-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 7.5HP/5.5kW, General purpose series (8 DIs, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)	Built In	500W 90Ω	13A
VFD-SH-3-100-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 10HP/7.5kW, General purpose series (8 DIs, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)	Built In	800W 60Ω	17A
VFD-SH-3-150-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 15HP/11kW, General purpose series (8 DIs, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)	Built In	1000W 47Ω	25A
VFD-SH-3-200-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 20HP/15kW, General purpose series (8 DIs, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)	Built In	1500W 36Ω	32A
VFD-SH-3-250-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 25HP/18.5kW, General purpose series (8 DIs, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)	Built In	3000W 32Ω	37A
VFD-SH-3-300-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 30HP/22kW, General purpose series (8 DIs, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)	Built In	4000W 26Ω	45A

Applications :

Suitable for Fans, Pumps, Conveyor, Compressors, Food & Drink packaging machinery and Most general purpose industries.