

Jaguar VXR SERIES

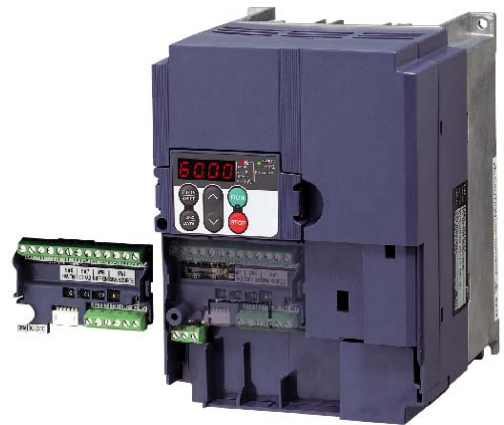


Mechanical Handling / General Purpose AC Variable Speed Drives

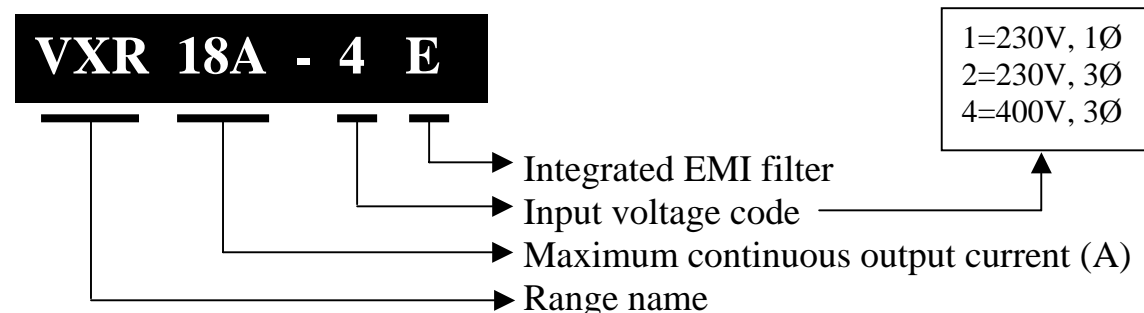


1Ø, 230V/50~60Hz, 0.4~2.2kW (1/2~3HP)
 3Ø, 230V/50~60Hz, 0.4~15kW (1/2~20HP)*
 3Ø, 400V/50~60Hz, 0.4~15kW (1/2~20HP)

- IP20 side-by-side mounting
- Optional integrated EMI filtered models
- Fast response to dynamic load changes
- 64MHz CPU
- RoHS, CE, UL/cUL compliant
- V/F or Dynamic Torque Vector control
- >300% starting torque between 1-3Hz
- Improved open-loop low-speed stability
- 'Hit-and-Stop' control with holding torque
- Mechanical brake control output – torque generated
- PID with 'Dancer' control
- PTC thermistor input
- Input and Output phase-loss protection
- Loss-of-command signal detection
- Thermostatically operated long-life cooling fans
(designed to operate for 10 years at 40°C)
- Life time / service due alarm output
- RS485 (RJ-45 IN/OUT) / Profibus / DeviceNet option cards
- Optional multi-function back-lit keypad with parameter COPY mode
- Encoder feedback (close-loop) and shaft-synchronizing options
- Synchronous (Permanent Magnet) motor options***
- DC reactor connections to limit main supply circuit harmonics
- Internal brake chopper

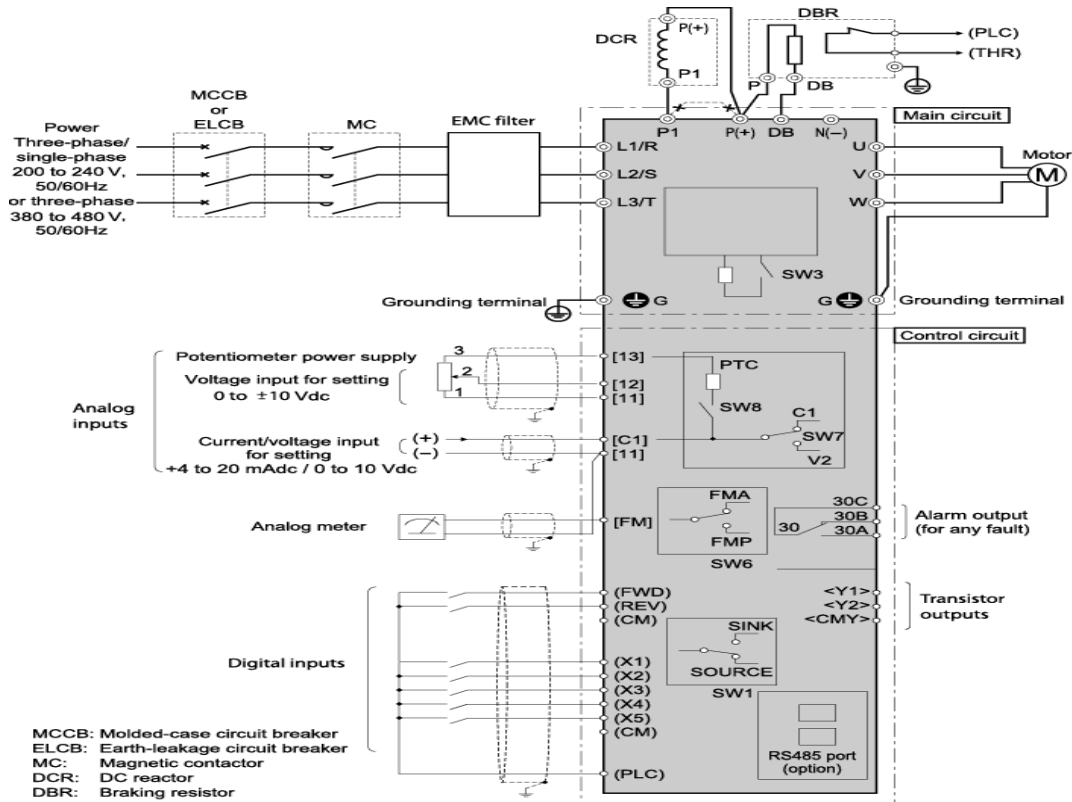


Ordering Codes



*special order / *** available soon

Power and Control connections



Specifications & Dimensions

All Models: -

- Overload (A) = 150% for 60s / 200% for 0.5s
- Maximum operating temperature = 50°C
- Maximum output frequency = 400Hz
- Carrier frequency = 0.75~15kHz

| Frame size | H(mm) | H(inches) | W(mm) | W(inches) |
|------------|-------|-----------|-------|-----------|
| 1 | 120 | 4.72 | 80 | 3.15 |
| 2 | 130 | 5.12 | 110 | 4.33 |
| 3 | 180 | 7.09 | 140 | 5.51 |
| 4 | 220 | 8.66 | 180 | 7.09 |
| 5 | 260 | 10.24 | 220 | 8.66 |

| 3-phase input 380-480 +10% -15% 50/60Hz ±5% | | | | | | | | |
|---|-----------|--------|----------|--------|-------|--------|-------|--------|
| Part Number VXR... | 1A5-4 | 1A5-4E | 2A5-4 | 2A5-4E | 3A7-4 | 3A7-4E | 5A5-4 | 5A5-4E |
| Motor rating (kW) | 0.37/0.55 | | 0.75/1.1 | | 1.5 | | 2.2 | |
| Motor rating (H.P.) | 0.5 | | 1 | | 2 | | 3 | |
| Rated output current (A) | 1.5 | | 2.5 | | 3.7 | | 5.5 | |
| Frame size | 2 | | 2 | | 3 | | 3 | |
| Depth (mm) | 126 | 169 | 150 | 193 | 150 | 194 | 150 | 194 |
| Depth (inches) | 4.96 | 6.65 | 5.91 | 7.60 | 5.91 | 7.64 | 5.91 | 7.64 |

| 1-phase input 200-240V ±10% 50/60Hz ±5% | | | | | | | | |
|---|-----------|-------|----------|-------|------|-------|--------|------|
| Part Number VXR... | 3A-1 | 3A-1E | 5A-1 | 5A-1E | 8A-1 | 8A-1E | 11A-1E | |
| Motor rating (kW) | 0.37/0.55 | | 0.75/1.1 | | 1.5 | | 2.2 | |
| Motor rating (H.P.) | 0.5 | | 1 | | 2 | | 3 | |
| Rated output current (A) | 3(2.5) | | 5(4.2) | | 8(7) | | 11(10) | |
| Frame size | 1 | | 1 | 2 | 2* | 3 | 3 | |
| Depth (mm) | 127 | | 152 | 150 | 160 | 194 | 151 | 194 |
| Depth (inches) | 4.99 | | 5.98 | 5.91 | 6.30 | 7.64 | 5.94 | 7.64 |

| 3-phase input 380-480 +10% -15% 50/60Hz ±5% | | | | | | | | | | |
|---|------|-------|-------|--------|-------|--------|-------|--------|-------|--------|
| Part Number VXR... | 9A-4 | 9A-4E | 13A-4 | 13A-4E | 18A-4 | 18A-4E | 24A-4 | 24A-4E | 30A-4 | 30A-4E |
| Motor rating (kW) | 4 | | 5.5 | | 7.5 | | 11 | | 15 | |
| Motor rating (H.P.) | 5 | | 7.5 | | 10 | | 15 | | 20 | |
| Rated output current (A) | 9 | | 13 | | 18 | | 24 | | 30 | |
| Frame size | 3 | | 4 | | 4 | | 5 | | 5 | |
| Depth (mm) | 151 | 194 | 158 | 158** | 158 | 158** | 195 | 195** | 195 | 195** |
| Depth (inches) | 5.94 | 7.64 | 6.22 | | 6.22 | | 7.68 | | 7.68 | |

**EMI filter is external mounting