Jaguar VXR SERIES

Mechanical Handling / General Purpose AC Variable Speed Drives

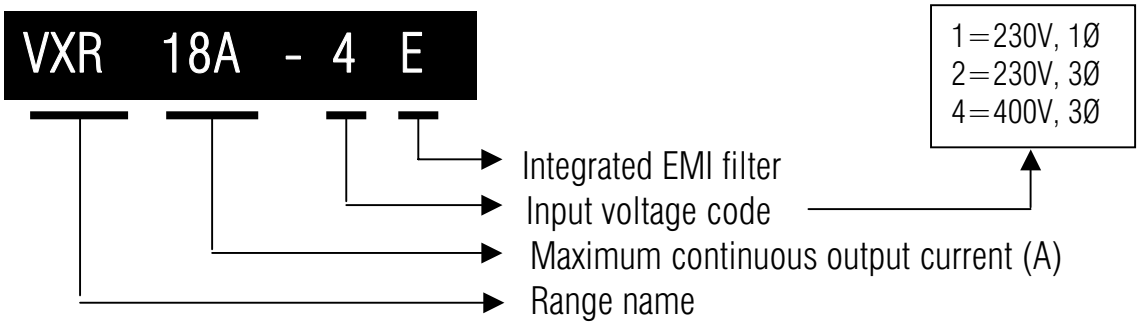
1Ø, 230V/50~60Hz, 0.4~2.2kW (½~3HP)
3Ø, 230V/50~60Hz, 0.4~15kW (½~20HP)*
3Ø, 400V/50~60Hz, 0.4~15kW (½~20HP)



- User configurable 'quick-start' menu
- 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'/ controlled soft-stall 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 40ºC)
- 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***
- Internal brake chopper

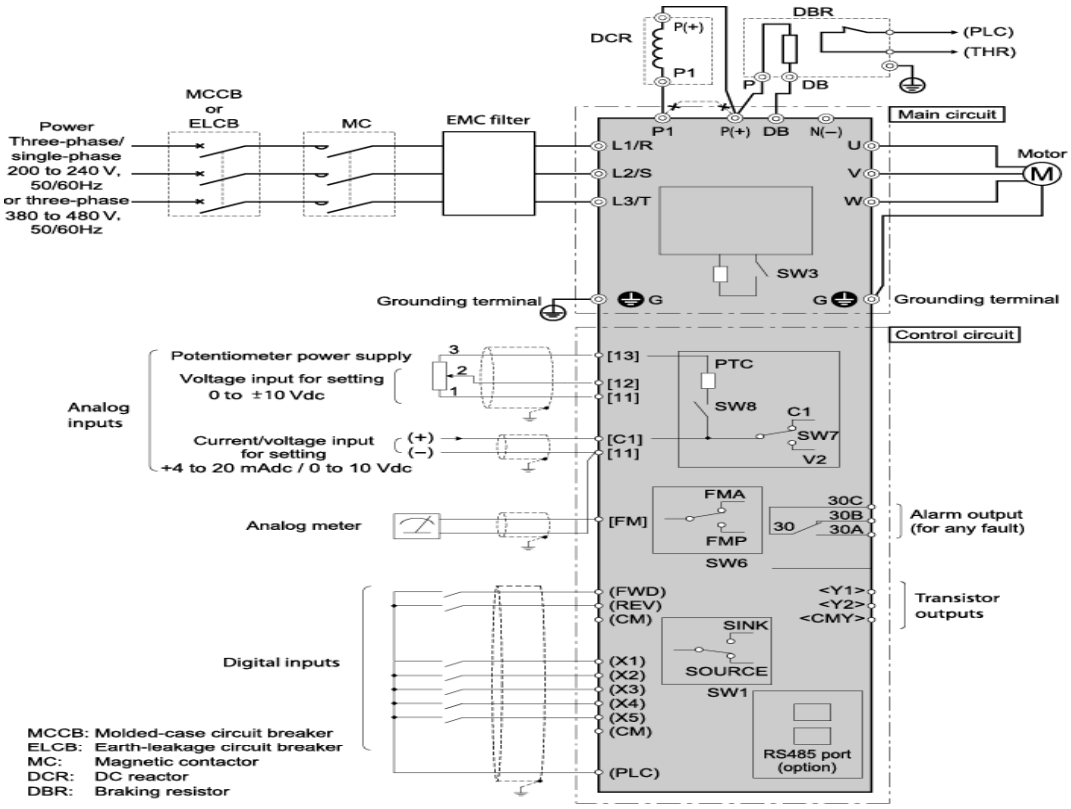


Ordering Codes



*special order / *** available soon

Power and Control connections



Specifications & Dimensions

All Models: -

- Overload (A) = 150% for 60s / 200% for 0.5s
- Maximum operating temperature = 50ºC
- 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

	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-1	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 O/P 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…	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 O/P current (A)	1.5		2.5		3.7		5.5	
Frame size	2		2		2	2	2	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

	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		5		20	
Rated O/P 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	

** EMC filter is external footprint type