Jaguar VXG Series

High Performance Dual Rated AC Variable Speed Drives

3Ø, 400V/50~60Hz, 0.4~630kW (CT)
3Ø, 400V/50~60Hz, 0.4~710kW (VT)

- User configurable quick-start menu
- IP20 side-by-side mounting (IP40)
- Intergrated EMC filter (EN61800-3 2004 cat C3)
- PLC logic type function
- RoHS, CE, UL,cUL compliant
- V/F, Torque Vector and closed loop control
- 200% starting torque between 0.3Hz
- Improved open-loop low-speed stability
- Enable input safety switch
- 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
- Standard Keypad with mini USB port.
- 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 up to 22kW (30-110kW upon request)



Options and ordering codes

VXG **60AL** - **4** **E**

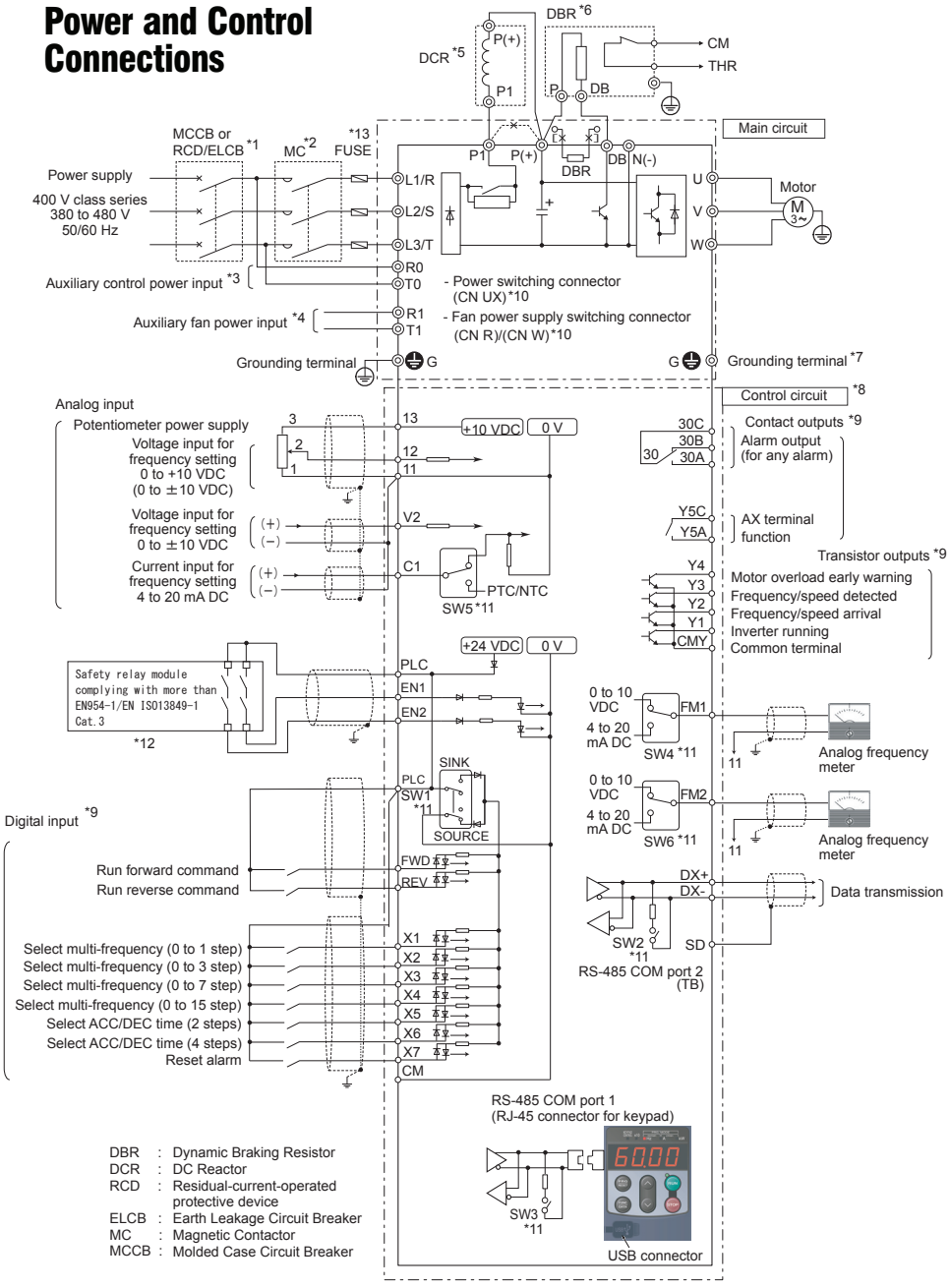
CT Rating	VT Rating	
0.4kW	-	1A5
0.75kW	-	2A5
1.5kW	-	4A
2.2kW	-	5.5A
4.0kW	-	9A
5.5kW	7.5kW	16A5L
7.5kW	11kW	23AL
11kW	15kW	30A5L
15kW	18.5kW	37AL
18.5kW	22kW	45AL
22kW	30kW	60AL
30kW	37kW	75AL
37kW	45kW	91AL
45kW	55kW	112AL
55kW	75kW	150AL
75kW	90kW	176AL
90kW	110kW	210AL
110kW	132kW	253AL
132kW	160kW	304AL
160kW	200kW	377AL
200kW	220kW	415AL
220kW	280kW	520AL
280kW	315kW	650AL
315kW	355kW	740AL
355kW	400kW	840AL
400kW	500kW	960AL
500kW	630kW	1170AL
630kW	710kW	1370AL

*Special order only

E	Integrated EMC filter

2	Input voltage 200v/3ph*
4	Input voltage 400v/3ph

Power and Control Connections



DBR : Dynamic Braking Resistor
DCR : DC Reactor
RCD : Residual-current-operated protective device
ELCB : Earth Leakage Circuit Breaker
MC : Magnetic Contactor
MCCB : Molded Case Circuit Breaker

Jaguar VXG Series continued

Specifications and Dimensions

Power supply voltage	Inverter type	Motor Rating (CT)	Motor Rating (VT)	Main body external dimensions (mm)		
				Width	Height	Depth
Three Phase 400V	VXG1A5-4E	0.4	-	110	260	130
	VXG2A5-4E	0.75	-			145
	VXG4A-4E	1.5	-	150		
	VXG5.5A-4E	2.2	-			
	VXG9A-4E	4	-			
	VXG16A5L-4E	5.5	7.5	220		195
	VXG23AL-4E	7.5	11			
	VXG30A5L-4E	11	15			
	VXG37AL-4E	15	18.5	250	400	
	VXG45AL-4E	18.5	22			
	VXG60AL-4E	22	30			
	VXG75AL-4E	30	37	326.2	550	261.3
	VXG91AL-4E	37	45			
	VXG112AL-4E	45	55	361.2	615	276.3
	VXG150AL-4E	55	75		675	
	VXG176AL-4E	75	90		740	
	VXG210AL-4E	90	110	535.8		321.3
	VXG253AL-4E	110	132			
	VXG304AL-4E	132	160	536.4	1000	366.3
	VXG377AL-4E	160	200			
	VXG415AL-4E	200	220	686.4		
	VXG520AL-4E	220	280			
	VXG650AL-4E	280	315		1400	440
	VXG740AL-4E	315	355			
	VXG840AL-4E	355	400	880		
	VXG960AL-4E	400	500			
	VXG1170AL-4E	500	630	1000	1550	500
	VXG1370AL-4E	630	710			