



**CG Power and
Industrial Solutions**



AMX DRIVES

Cutting-Edge Drives for
ROBUST & VERSATILE
Applications



The AMX series VFDs deliver high-performance, compact solutions for a wide range of industrial applications. Engineered to drive both induction and permanent magnet motors, the AMX series features advanced V/F and field-oriented control. It ensures precise speed regulation, rapid torque response, & enhanced low-frequency performance for demanding industrial environments.

Small size, high performance

The AMX series drives feature a compact design that optimizes installation space while being engineered to endure elevated ambient temperatures. Every unit undergoes stringent testing and quality assurance, ensuring reliable performance and durability. AMX series is a general purpose drives used for variable and constant torque application.

Salient features

- High ambient temperature of 50°C as standard
- High-starting torque characteristics
- Robust background software, user-friendly GUI, and easy-to-use parameter debugging tools
- Having options for timer, counters and virtual IOs
- The robust drive with conformal coating suits hot, humid climates
- Option of C3 category filter for best EMC/EMI performance
- Graphical PPU as option with oscilloscope function
- Supports resolver and variety of encoders like incremental, SinCos encoders
- Modbus RTU as standard

General specifications for AMX

Mains voltage	3-phase 230V – 480Vac
Mains frequency	50Hz/60Hz, tolerance±5%
Output voltage	0 ~ rated input voltage
Output frequency	0 ~ 599 Hz, resolution 0.01Hz

Environmental conditions

Parameter	Storage condition
Temperature	-20 to +60 °C (-4 to +140 °F)
Atmospheric pressure	86–106 kPa (12.5 - 15.4 PSI)
Relative humidity	Max. 95% and no condensing and no formation of ice
Altitude	0–1000 m 480V AC drives, with derating 1%/100 m of rated current up to 2000 m

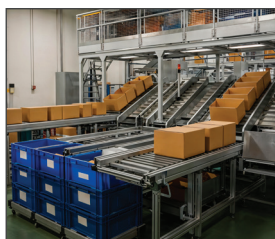
Electrical specifications

AMX Model	Max. output current [A*]	Normal duty (120%, 1 min every 10 min)			Heavy duty (150%, 1 min every 10 min)			Frame size
		Power [kW]	Power [HP]	Rated current [A]	Power [kW]	Power [HP]	Rated current [A]	
AMX48-004-20DEB	5	1.5	2	4.2	0.75	1	2.5	X1
AMX48-006-20DEB	6.6	2.2	3	5.5	1.5	2	4.2	
AMX48-009-20DEB	11	3.7	5	9.1	2.2	3	5.5	
AMX48-013-20DEB	15.6	5.5	7.5	13	3.7	5	9.1	X2
AMX48-017-20DEB	20	7.5	10	17	5.5	7.5	13	
AMX48-025-20DEB	30	11	15	25	7.5	10	17	X3
AMX48-032-20DEB	38.5	15	20	32	11	15	25	
AMX48-038-20DEB	44.5	18.5	25	38	15	20	32	
AMX48-045-20DEB**	54	22	30	45	18.5	25	38	X4
AMX48-060-20DEB**	72	30	40	60	22	30	45	
AMX48-075-20DEB**	90	37	50	75	30	40	60	X5
AMX48-092-20DEB**	110.4	45	60	92	37	50	75	
AMX48-112-20DEB**	134.4	55	75	112	45	60	92	

* Available for a limited time and as long as drive temperature permits. Rated data at 50 °C ambient temperature

** Upcoming Range

Applications



FMCG



Paper



Cement



Automobiles



Thermal Power

Beyond these applications, AMX series drives deliver high performance and precise control for a wide range of general-purpose machine applications, making them a versatile solution for your industrial needs. Experience the power of precision—upgrade to AMX today!

For more information, visit us at: www.cgglobal.com / www.emotron.com