ADXL... types

ADXL 0030 600...ADXL 0060 600

ADXL 0075 600...ADXL 0115 600

ADXL 0135 600...ADXL 0162 600

Order code	IEC rated starter current Ie	Rated motor power ≤40°C IEC (400V)		Qty per pkg	Wt
	[A]	[kW❷]	[HP]	n°	[kg]
For standard and heavy-duty applications. With built-in bypass relay. Auxiliary supply: 100...240VAC. Rated operational voltage 208...600VAC					
ADXL 0030 600	30	15	20	1	2.100
ADXL 0045 600	45	22	30	1	2.100
ADXL 0060 600	60	30	40	1	2.100
ADXL 0075 600	75	37	50	1	2.900
ADXL 0085 600	85	45	60	1	2.900
ADXL 0115 600	115	55	75	1	2.900
ADXL 0135 600	135	75	100	1	❶
ADXL 0162 600	162	90	125	1	❶
ADXL 0195 600	195	110	150	1	❶
ADXL 0250 600	250	132	200	1	❶
ADXL 0320 600	320	160	250	1	❶

❶ Contact our Customer Service office; see contact details or inside front cover.

IEC ratings ≤40°C (50Hz)

Order code	Starter current Ie	Motor power ❷		
		230V	400V	500V
	[A]	[kW]	[kW]	[kW]
ADXL 0030 600	30	7.5	15	18.5
ADXL 0045 600	45	11	22	30
ADXL 0060 600	60	15	30	37
ADXL 0075 600	75	22	37	45
ADXL 0085 600	85	22	45	55
ADXL 0115 600	115	37	55	75
ADXL 0135 600	135	37	75	90
ADXL 0162 600	162	45	90	110
ADXL 0195 600	195	55	110	132
ADXL 0250 600	250	75	132	160
ADXL 0320 600	320	90	160	200

IEC ratings ≤40°C (60Hz)

Order code	Starter current FLA	Motor power ❸				
		208V	220-240V	380-415V	440-480V	550-600V
	[A]	[HP]	[HP]	[HP]	[HP]	[HP]
ADXL 0030 600	28	10	10	15	20	25
ADXL 0045 600	44	10	15	25	30	40
ADXL 0060 600	60	20	20	30	40	50
ADXL 0075 600	75	25	25	40	50	60
ADXL 0085 600	83	25	30	50	60	75
ADXL 0115 600	114	40	40	60	75	100
ADXL 0135 600	130	40	50	75	100	125
ADXL 0162 600	156	50	60	75	125	150
ADXL 0195 600	192	60	60	100	150	200
ADXL 0250 600	248	75	100	150	200	250
ADXL 0320 600	320	100	125	200	250	300

❷ Preferred rated values according to IEC 60072-1 (primary series).
❸ Horsepower and currents values according to UL 508 (60Hz).

General characteristics
The new series of ADXL soft starters allow control the start and stop of three-phase asynchronous motors on two-phases with built-in bypass. ADXLs are equipped with a backlit display with icons and NFC technology, for a simple configuration, possible also from smartphones and tablets. ADXLs are ideal for simple "plug and play" applications, thanks to the installation wizard, and for high-performance applications, with control and protection during the motor start-up and operation.
The ADXLs include protection features for the starter and motor, and it's possible to enable specific alarms to signal maintenance needs, such as the number of startups performed or the operation hours of the motor.

It has the following main features:
- Backlit LCD display
- Texts available in 6 languages (ENG-ITA-FR-ES-POR-DE)
- IEC rated starter current Ie from 30 to 320A
- IEC rated motor power 15...160kW (400VAC) and 18.5...200kW (500VAC)
- UL/CSA rated motor power 15...200HP (380-415VAC) and 25...300HP (550-600VAC)
- Voltage ramp startup
- Torque control
- Kick start
- Limited maximum starting current
- Free wheel or controlled stop
- Built-in bypass relay
- Optical port for programming data download and diagnostics through the software Xpress and app Sam1
- NFC technology for parameter programming through the app NFC
- Optional RS485 communication
- Modbus-ASCII, Modbus-RTU and Modbus-TCP communication protocols
- Supervision and energy management software Synergy.

Operational characteristics
- Two phase control
- Input voltage: 208...600VAC ±10%
- Network frequency 50 or 60Hz ±10% self-configurable
- 100...240VAC auxiliary power supply
- Signalling LED: power supply startup or bypass phase, alarm
- Three programmable outputs: 1 changeover contact 2 normally open contacts
- 2 programmable digital inputs
- 1 programmable digital input, that can be used as PTC
- Protection rating: IP00.

Displayed measures:
Maximum current, L1 current, L2 current, L3 current, %-torque, average line voltage, total active power, total PF, motor thermal status, starter temperature.

Protections
- Motor: thermal protection, PTC protection, locked rotor, current asymmetry, startup too long, minimum torque
- Power supply: no power supply, phase loss, wrong phase sequence and out-of-range frequency
- Starter: overtemperature, overcurrent, SCR fault, bypass relay fault, temperature sensor fault and fan fault.

Certifications and compliance
Certificates pending: cULus; EAC.
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-4-2, UL508, CSA C22.2 n° 14.