

Ratings, Specifications and Options

Ratings

Size	Duty	Nominal		Heavy	Starts per Hour
	% FLA	400%		400%	
	Start Time	6 seconds		20 seconds	
	Model	(HP @ 460 V)	(A)	(A)	
1	D2-16-018	10	18	17	10
	D2-16-034	25	34	30	
	D2-16-042	30	42	36	
	D2-16-060	40	60	49	
2	D2-16-085	60	85	73	6
	D2-16-100	75	100	96	
3	D2-16-140	100	140	120	6
	D2-16-170	125	170	142	
	D2-16-200	150	200	165	

Options

Order Code	Description
D2-KEYPAD	IP54 (NEMA 12) rated, panel mountable keypad and display for soft starter operation and monitoring.
D2-FINGERGUARD	Finger guards provide IP20 (NEMA 1) protection for models D2-16-140 to D2-16-200
Fieldbus Order Code	Description
DIGISTART-MODBUS	Modbus RTU Interface for Digistart D3 and Digistart D2
DIGISTART-PROFIBUS	PROFIBUS DP Interface for Digistart D3 and Digistart D2
DIGISTART-DEVICENET	DeviceNet Interface for Digistart D3 and Digistart D2
DIGISTART-USB	USB Interface for Digistart D3 and Digistart D2
DIGISTART-ETHERNET-MODBUS-TCP	Modbus TCP/IP Interface for Digistart D3 and Digistart D2
DIGISTART-ETHERNET-IP	EtherNet/IP Interface for Digistart D3 and Digistart D2
DIGISTART-PROFINET-RT	PROFINET RT Interface for Digistart D3 and Digistart D2

Specifications

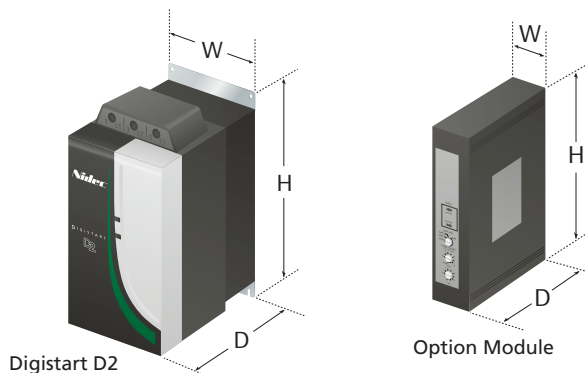
Start modes	
Constant Current/Current Limit, Current Ramp	
Stop Modes	
Coast To Stop, Ramped Soft Stop	
General	
Current Range	18 to 200 A (nominal)
Motor Connection	In-line or inside delta
Bypass	Integrated internal or external
Supply	
Voltage - CS5xxx	200 to 575 Vac (±10%/-15%)
Control Voltage	110 to 240 Vac (+10% / -15%) 380 to 440 Vac (+10% / -15%)
Supply Frequency	45 to 66 Hz
Inputs	
Start	Normally open
Stop	Normally closed
Motor Thermistor	
Relay Outputs	
Main Contactor	Normally open, 6 A, 30 Vdc resistive / 2 A, 400 Vac, AC11
Programmable Relay	Normally open, 6 A, 30 Vdc resistive / 2 A, 400 Vac, AC11
Environmental	
RoHS Compliant	Standard
Protection	
D2-16-018 to D2-16-100 = IP20 (NEMA 1) D2-16-140 to D2-16-200 = IP00 (open chassis)	
Operating Temperature	14 to 104 °F (-10 to 40°C), max 140 °F (60 °C) with derating
Storage Temperature	-13 to 140°F (-25 to 60°C)
Humidity	5 to 95% relative
Conformal Coating	Standard

Dimensions

Size	Height (H)	Width (W)	Depth (D)	Weight
1	8.0 in (203.2 mm)	3.9 in (99.1 mm)	6.6 in (167.6 mm)	4.6 lbs (2.1 kg)
2	8.5 in (215.9 mm)	5.7 in (144.8 mm)	7.7 in (195.6 mm)	9.0 lbs (4.1 kg)
3	9.5 in (241.3 mm)	8.0 in (203.2 mm)	8.5 in (215.9 mm)	14.3 lbs (6.5 kg)
Fieldbus Option Dimensions				
	6.2 in (157.5 mm)	1.4 in (35.6 mm)	3.5 in (88.9 mm)	0.6 lbs (0.3 kg)

Can be mounted horizontally with 15% derating

*Maximum height inclusive of busbar



Option Modules



PROFIBUS DeviceNet

D2 - Keypad