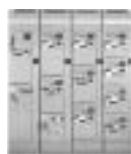


Drives & Soft Starts Selector



ALTIVAR®/ALTISTART® SPECIFICATIONS

							
	ALTIVAR 11	ALTIVAR 28	ALTIVAR 58 TRX	ALTIVAR 58 Type F	ALTIVAR 58 Type N	ALTIVAR 58 Type FVC	ALTIVAR 66
PANEL MOUNTED DRIVES							
Ratings							
110V	0.25-1 hp						
208/230V	0.25-3 hp	0.5-10 hp	0.5-50 hp (VT)	.5-3 hp	1-5 hp		1-40 hp (CT), 1-50 hp (VT)
460V		1-20 hp	1-500 hp (VT)	1-7.5 hp	1-10 hp	1-75 hp	1-350 hp (CT), 1-400 hp (VT)
575V		1-20 hp					
Enclosure Technology							
Type 1 Product – IP 20/21/30	X 1P20	X IP 20	X IP 20			X IP 20	IP 30
Enclosure Offer		X Type 1 w/Kit	X Type 1 w/Kit	X IP 55 Type 12	X Type 4X	X Type 1 w/Kit	X Type 1, Type 12
Control Factors							
Sensorless Vector	X	X	X	X	X	X	X
Closed Loop Vector						X	X
Auto-tuning		X	X	X	X		X
No Load/Energy Saving		X	X	X	X		X
PI Control		X	X	X	X	X	X
PID			X 125-500 hp			X	
Bypass Option							X
Mechanical Brake Control			X 1-100 hp	X	X	X	X
Low Noise Operation	X Up to 16 kHz	X Up to 15 kHz	X Up to 16 kHz	X Up to 16 kHz	X Up to 16 kHz	X Up to 16 kHz	X 4/10 kHz
Preset Speeds	X 4	X 8	X 8	X 8	8	X 8	X 4 - Std 4 - Opt
Skip Frequencies		X 1	X 3 - Std	X 3 - Std	X 3 - Std	X 3 - Std	X 3 - Std
Encoder/Tacho Feedback			X Encoder and Tacho - Opt	X Encoder and Tacho - Opt	X Tacho - Opt	X Encoder - Std Tacho - Opt	X Opt
Remote Current Limit Control			X	X	X	X	X
Current Limit	X	X	X	X	X	X	X
Control Technology							
PCMCIA Memory Card							X
Analog Inputs	X 1 - Std	X 2 - Std	X 2 - Std 1 - Opt	X 2 - Std 1 - Opt	X 2 - Std 1 - Opt	X 2 - Std 1 - Opt	X 2 - Std 2 - Opt
Analog Outputs	X 1 - Std	X 1 - Std	X 1 - Std 3 - Opt	X 1 - Std 3 - Opt	X 1 - Std 3 - Opt	X 1 - Std 3 - Opt	X 2 - Std 1 - Opt
Logic Inputs	X 4 - Std	X 4 - Std	X 4 - Std 2 - Opt	X 4 - Std 2 - Opt	X	X 4 - Std 2 - Opt	X 4 - Std 4 - Opt
Logic Outputs	X 1 - Std 1 - Relay Opt	X 2 - Relays - Std	X 2 - Relays - Std 1 - LO - Opt 1 - Relay - Opt	X 2 - Relays - Std 1 - LO - Opt	X 2 - Opt	X 2 - Relays - Std 1 - LO - Opt	X 2 - LO - Std 2 - Relays - Std 2 - Relays - Opt
Extended I/O Option		X	X	X	X	X	X
Internal Braking Transistor		X	X 1-100 hp	X	X	X	X
Communication							
Test & Commissioning Software	X	X	X	X	X	X	X
MODBUS®		X	X	X	X	X	X
MODBUS Plus			X	X	X	X	X
Web-enabled Ethernet			X	X	X	X	
DEVICENET™			X	X	X	X	
Johnson Controls N2			X		X		X
Other Protocols		X	X	X	X	X	X Consult factory
Miscellaneous							
Option for Internal RFI Filter		X	X Built-in filters-Opt	X Built-in filters-Opt	X	X Built-in filters	
CE Mark Under EMC Directive	X	X Built-in filters	X	X	X	X	w/External filters

				
	ALTIVAR 58 ECONO-flex	ALTIVAR 58 MCC	ALTIVAR 66 MCC	Enclosed Class 8839
PACKAGED DRIVES				
Ratings				
1-50 hp (VT)	1-50 hp	1-40 hp (CT), 1-50 hp (VT)		
1-100 hp (VT)	1-100 hp	1-350 hp (CT), 1-400 hp (VT)	1-400 hp (CT), 1-500 hp (VT)	
Enclosure Technology				
X Type 1, Type 3R Type 12	X Type 1, Type 3, Type 12	X Type 1, Type 3R, Type 12	X Type 1, Type 12	
Control Factors				
X	X	X	X	
X	X	X	X	
X	X	X	X	
X	X	X	X	
X Power circuit Y	X	X	X Power circuit Y	
X	X	X	X	
X 8 kHz Std.	X Up to 16 kHz	X 4/10 kHz	X 8 kHz Std.	
	X 8	X 4 - Std 4 - Opt		
X 3 - Std	X 3 - Std	X 3 - Std	X	
	X Encoder and Tacho - Opt	X Opt		
	X	X		
X	X	X	X	
Control Technology				
		X		
X 2 - Std 1 - Opt	X 2 - Std 1 - Opt	X 2 - Std 2 - Opt	X 2	
X 1 - Std 3 - Opt	X 1 - Std 3 - Opt	X 2 - Std 1 - Opt	X 3 - Opt	
X 4 - Std 2 - Opt	X 4 - Std 2 - Opt	X 4 - Std 4 - Opt	X 4 - Std 2 - Opt	
	X 2 - Relays - Std 1 - LO - Opt	X 2 - LO - Std 2 - Relays - Std 2 - Relays - Opt		
	X	X		
	X	X		
Communication				
	X	X	X	
X	X	X	X	
X	X	X	X	
	X		X	
X	X	X	X	
X	X	X Consult factory		
	X			

			
	Modular Soft Start LH4N (N2)	ALTISTART 48	Enclosed and MCC ALTISTART 46
SOFT STARTS			
Ratings			
460V	15hp (LH4N1)	1000 hp	500 hp
575V	60 hp (LH4N2)	1200 hp	
Enclosure Technology			
Open	X	X	
Enclosure Offer			Type 1, Type 3R MCC) Type 12
Control Features			
Torque Control System		X	X
Voltage Ramp	X	X	X
Current Ramp		X	X
Current Limit (%)		200-500%	200-500%
Torque Limit (%)	10-70%	10-100%	10-100%
Acc Ramp Time	0.5-5 or 0.5-25 sec.	1-60 sec.	1-60 sec.
Decel Ramp	0-5 sec. or 0-25 sec.	0.5-60 sec.	0.5-60 sec.
Free Wheel Stop	X	X	X
Control Technology			
Analog Output		1	1
Communication			
MODBUS		X	X
MODBUS Plus		X	X (MCC)
Web-enabled Ethernet		X	X (MCC)
DEVICENET		X	X (MCC)
FIPIO		X	
Unitelway		X	X (MCC)