

*Altivar® AC Drives and  
Altistart® Soft Starts*

Selector Guide



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### PANEL MOUNTED DRIVES

Ratings	Altivar 11	Altivar 31	Altivar 58 TRX	Altivar 58 Type F	Altivar 58 Type N	Altivar 58 Type FVC
110V	0.25-1 hp					
208/230V	0.25-3 hp	0.25-20 hp	0.5-50 hp	5-3 hp	1-5 hp	
460V		0.5-20 hp	1-500 hp	1-7.5 hp	1-10 hp	1-75 hp
575V		1-20 hp				
<b>Enclosure Technology</b>						
Type 1 Product – IP 20/21/30	X 1P20	X IP 20	X IP 20			X IP 20
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
<b>Control Factors</b>						
Sensorless Vector	X	X	X	X	X	X
Closed Loop Vector						X
Auto-tuning		X	X	X	X	X
No Load/Energy Saving		X	X	X	X	
PI Control		X	X	X	X	X
PID			X 125-500 hp			X
Bypass Option			X			
Mechanical Brake Control			X 1-100 hp	X	X	X
Low Noise Operation	X Up to 16 kHz	X Up to 16 kHz	X Up to 16 kHz	X	X Up to 16 kHz	X Up to 16 kHz
Preset Speeds	X 4	X 16	X 8	X	X 8	X 8
Skip Frequencies		X 1	X 3 - Std	X	X 3 - Std	X 3 - Std
Encoder/Tacho Feedback			X Encoder and Tacho - Opt	X	X Encoder - Std Tacho - Opt	X Encoder - Std Tacho - Opt
Remote Current Limit Control			X	X	X	X
Current Limit	X	X	X	X	X	X
<b>Control Technology</b>						
Analog Inputs	X 1 - Std	X 3 - Std	X 2 - Std 1 - Opt	X	X 2 - Std 1 - Opt	X 2 - Std 1 - Opt
Analog Outputs	X 1 - Std	X 1 - Std	X 1 - Std 3 - Opt	X	X 1 - Std 3 - Opt	X 1 - Std 3 - Opt
Logic Inputs	X 4 - Std	X 6 - Std	X 4 - Std 2 - Opt	X	X 4 - Std 2 - Opt	X 4 - Std 2 - Opt
Logic Outputs	X 1 - Std 1 - Relay Opt	X 2 - Relays - Std 1 - LO	X 2 - Relays - Std 1 - LO - Opt 1 - Relay - Opt	X	X 2 - Relays - Std 1 - LO - Opt	X 2 - Relays - Std 1 - LO - Opt
Extended I/O Option		X	X	X	X	X
Internal Braking Transistor		X	X 1-100 hp	X	X	X
<b>Communication</b>						
PowerSuite Software	X	X	X	X	X	X
MODBUS®		X	X	X	X	X
MODBUS Plus		X	X	X	X	X
Web-enabled Ethernet		X	X	X	X	X
DEVICENET™		X	X	X	X	X
Johnson Controls N2			X		X	
Other Protocols		X	X	X	X	X
<b>Miscellaneous</b>						
Option for Internal RFI Filter		X	X Built-in filters-Opt	X Built-in filters-Opt	X Built-in filters-Opt	X Built-in filters
CE Mark Under EMC Directive	X	X Built-in filters	X	X	X	X



### PACKAGED DRIVES

Ratings	Altivar 58 ECONO-flex	Altivar 58 MCC	Enclosed 58M Class 8839
1-50 hp (VT)		1-50 hp	
1-100 hp (VT)		1-100 hp	1-350 hp (CT), 1-500 hp (VT)
<b>Enclosure Technology</b>			
	X Type 1, Type 3R Type 12	X Type 1, Type 3, Type 12	X Type 1, Type 12
<b>Control Features</b>			
X	X	X	
X	X	X	
X	X	X	
X	X	X	
X Power circuit Y	X	X	
X 8 kHz Std.	X Up to 16 kHz	X Up to 16 kHz	
	X 8	X 8	
X 3 - Std	X 3 - Std	X 3 - Std	
	X Encoder and Tacho - Opt	X Encoder and Tacho - Opt	
	X	X	
X	X	X	
<b>Control Technology</b>			
X 2 - Std 1 - Opt	X 2 - Std 1 - Opt	X 2 - Std 1 - Opt	
X 1 - Std 3 - Opt	X 1 - Std 3 - Opt	X 1 - Std 3 - Opt	
X 4 - Std 2 - Opt	X 4 - Std 2 - Opt	X 4 - Std 2 - Opt	
	X 2 - Relays - Std 1 - LO - Opt	X 2 - Relays - Std 1 - LO - Opt	
	X	X	
	X	X	
<b>Communication</b>			
	X	X	
X	X	X	
X	X	X	
X	X	X	
X	X	X	
X	X	X	
X	X	X	
<b>Miscellaneous</b>			
X	X	X	



### SOFT STARTS

Ratings	Altistart 01	Altistart 48	Enclosed and MCC Altistart 48
110V	0.25-0.5 hp		
208/230V	0.25-30 hp	2-450 hp	250 hp
460V	1-60 hp	7.5-1000 hp	500 hp
575V	30-75 hp	10-1200 hp	600 hp
<b>Enclosure Technology</b>			
Open	X	X	
Enclosure Offer			Type 1, Type 3R (MCC) Type 12
<b>Control Features</b>			
Torque Control System		X	X
Voltage Ramp	X	X	X
Current Ramp		X	X
Current Limit (%)		150-500%	150-500%
Torque Limit (%)		10-200%	10-200%
Acc Ramp Time	1-25 sec.	1-60 sec.	1-60 sec.
Decel Ramp	1-25 sec.	1-60 sec.	1-60 sec.
Free Wheel Stop	X	X	X
Kick Start	X	X	X
TeSys U-Line Compatible	X		
Internal Bypass	X		X
Pull Apart Terminals	X	X	
<b>Control Technology</b>			
Analog Output		1	1
Logic Inputs	3	4	4
Logic Outputs	2	5	5
<b>Communication</b>			
PowerSuite Software	X w/TeSys U-Line	X	X
MODBUS	X w/TeSys U-Line	X	X
MODBUS Plus			X
Web-enabled Ethernet	X w/TeSys U-Line		
DEVICENET	X w/TeSys U-Line	X	X
Profibus DP	X w/TeSys U-Line	X	
FIPIO	X w/TeSys U-Line	X	
<b>Miscellaneous</b>			
CE Mark	X	X	