



#### SCIGATE AUTOMATION (S) PTE LTD

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Business Hours: Monday - Friday 8.30am - 6.15pm



Actual size



#### MINIMUM SIZE, MAXIMUM PERFORMANCE

1.5 A – 16 A with 48 A peak 200 V 400 V | 0.25 kW - 7.5 kW

### Digitax HD Highlights

- Drive width of only 40mm
- Reduce cabinet height with UltraFlow<sup>™</sup> technology which dissipates heat directly outside of the cabinet
- Install Digitax HD in a cabinet just 200mm deep
- 300% peak current performance pulse-duty overload
- Optimized control loops for high dynamic performance
- Up to 16 kHz switching frequency
- Single AC input, 24v and communication links, and common DC bus
- DIN rail alignment, single cable technology and easy access pluggable connectors
- Fast programming and commissioning PC tools

#### **Downsize cost and upsize floor space.**

With a tiny footprint but exceptional power density, Digitax HD is one of the smallest servo drives on the market today. Build the most compact cabinets possible.

#### The market's narrowest servo drive

- Digitax HD is just 40mm (1.6 in) wide
- 25 drives, up to 16A per drive, can fit in just 1 metre(40 in) of cabinet space



40mm (1.6 in)

Typical competitors





Just 40 mm (1.6 in)

### **KEY SERVO FEATURES**

vo Series										
		M753 EtherCAT	M751 Base	M750 EtherNet	M754 MCi					
	Onboard Communications	2-port EtherCAT switch	2-port RS485	2-port EtherNet switch	2-port EtherNet switch					
	Fieldbus	EtherCAT	Modbus RTU	Modbus TCP/IP, EtherNet/IP, PROFINET RT	Modbus TCP/IP					
	Real Time Motion	EtherCAT (CoE)	None	RTMoE	RTMoE					
	Analog I/O									
Interface	Digital I/O	2 DI, 2 DO (100 mA), 1 motor brake output (1 A, max 1.3 A)								
	Pulse Train Input		Frequency/Directio	n 5 V differential, 500 kHz						
	Encoder Feedback		2 x Encoder input and	1 simulated encoder output						
	Supported Encoders	Resolve	er, Quadrature, AB Servo, Si	nCos, EnDat (2.1/2.2), SSI, BiSS, Hipe	face					
	Safety 2 x Safe Torque Off (STO) via terminal, PLe, SIL3									
Control	Motor Control Modes  V/F, Open loop vector, Rotor flux control-Asynchronous for induction motors (Sensorless or with feedback 'Closed Loop' flux control-Synchronous (Sensorless or with feedback 'Closed Loop')									
	Control Modes									
	Control Features		or permanent magnet motors							
		Advanced bi-quad filters for suppression of mechanical resonances  Advanced Motion Controller  MCi								
			er	MCi						
			Parameterised motion  1.5 Axes		Programmable motion  Up to 5 Axes					
board Intelligence	Motion		Positioning digital lock control		Positioning digital lock control camming					
		Real-time tasks								
	PLC		Onboard Machine Control							
	1 100	IEC61131-3 programming (IL, LD, FBD, SFC, ST, CFC)								
		Current Loop Update: 62 µs								
	Update Rates	Speed Loop Update: 250 µs								
Performance		Position Loop Update: 250 µs								
	Overload	*Closed-loop Overload: Maximum closed loop peak current for 0.25 s (from cold: 300 % for 8 s or 200 % for 60 s)								
		*Open-loop Overload: Maximum open loop peak current for 8 s (from cold: 150 % for 100 s)								
	Max Output Frequency		550 Hz (RFC-A and	RFC-S) 599 Hz (Open Loop)						
		Configurable range: 2, 3, 4, 6, 8, 12, 16 kHz								

RFC-S: Rotor Flux Control for Synchronous (permanent magnet brushless) motors
RFC-A: Rotor Flux Control for Asynchronous (induction) motors
\* The stated percentages apply only to three phase continuous current

# **SPECIFICATION**

Digitax HD	
Items supplied with the drive	Documents: Quick Start Guide, Safety Information Booklet, Certificate of Quality.  Accessories: Power input connector, Brake connector, I/O connector, 24 Vdc supply connector, cable screen bracket, 3 x M4x8 screws (motor earth, supply earth, cable screen bracket), motor connector.
Storage temperature	-40°C to 55°C (-40°F to 131°F)
Operating temperature without de-rate	-20°C to 40°C (-4°F to 104°F)
Operating temperature with de-rate	40°C to 55°C (104°F to 131°F)
Supply requirements	$200V$ to $240V\pm10\%$ single or three phase. $380V$ to $480V\pm10\%$ three phase.
Switching frequency range	2,3,4,6,8,12,16 kHz (Factory default = 8 kHz)
Approvals	CE (European Union), cUL Listed (USA and Canada), KC (Korea), RCM (Australia/ New Zealand), EAC (Russian Customs Union)
Product safety standard	EN61800-5-1
Functional safety (single STO function)	Independently assessed by TUV to IEC 61800-5-2 SIL 3 and EN ISO 13849-1 PL
Altitude	1000 m to 3000 m (3300 ft to 9900 ft). 1% de-rate per 100 m (330 ft) above 1000 m (3300 ft)
Humidity	95% Non-condensing at 40°C (104°F)
Pollution	Degree 2. Dry, non-conducting pollution only
IP Rating	IP20 – Pollution degree 2
Vibration	Maximum recommended continuous (random) vibration level 0.14 g r.m.s. broadband 5 to 200 Hz.  Reference standard IEC60068-2-27 (bump test), IEC60068-2-64 (random vibration test), IEC60068-2-6, EN61800-5-1 (sinusoidal vibration test). Tested to Environmental Category ENV3.
Mounting methods	Horizontal or vertical surface mounting with DIN rail alignment.
Output frequency/speed range	550 Hz (RFC-A/RFC-S); 599 Hz (Open loop)
Braking	In-built braking transistor, external resistor required (drive mountable resistor or external resistor)
Operating modes	Open-loop, RFC-A (enhanced open-loop performance), RFC-S (servo mode)
Overload capability	Open-loop (from cold) 150 % for 100 s, Open-loop (from 100%) 150 % for 8 s. RFC (from cold) 300% for 8 s, RFC (from 100%) 300% for 0.25 s
Overvoltage category	Evaluated for OVC III.
Corrosive environments	Concentrations of corrosive gases must not exceed the levels given in: Table A2 of EN 50178:1998, Class 3C2 of IEC 60721-3-3  This corresponds to the levels typical of urban areas with industrial activities and/or heavy traffic, but not in the immediate neighbourhood of industrial sources with chemical emissions.

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Immunity Compliance   IECG 1800-4-3, IECG 1000-4-3, IECG 1000-4-3, IECG 1000-4-4, IECG 1000-4-5, IECG 1000-6-2. IECG 1000-6-3. IECG 1000-6-3. IECG 1000-6-3. IECG 1000-6-2. IECG 1000-6-3. IECG 1000-6-		
Emission compliance   Category C1 when installed with the accommended filters (dependant on switching frequency).	Immunity Compliance	
Communications  M750 - Ether-Net (multiprotocol) M751 - RS-485 M753 - Ether-CAT M754 - Ether-Net SI Options - Ether-CAT, PROFIBUS, Ethernet, DeviceNet, CANopen, PROFINET V2  Lontrol I/O  Arcuracy  Frequency 0.01%, Analog input 1 x Digital input, 2 x Digital output, 1 x Motor brake output, 7 x OV common, 1 x 24V user output. Pluggable control connector with push in spring connection.  Accuracy  Frequency 0.01%, Analog input 1: 11 bit plus sign. Current typical 2%.  On-Board advanced motion controller  Advanced 1.5 axes Motion Controller, key features include: - Real-time tasks - 250 µs cycle time - Motion profile generator - Electronic generous - Interpolated CAM - Horning functions - High speed position freeze  Keypad  Single 7 segment display with 2 x rotary dials for node address setting. Remote keypad with Real-time clock available as option (Optional on M75 1).  Parameter backup and cloning  Smartcard and 50 card (using 50 card adapte)  PC Tools  Connect' commissioning and cloning tool including CT Oscilloscope, Machine Control Studio for On-board PLC programming.  Warranty  2 years  Supported options  Si-Ether-CAT, Si-PROFIBUS, Si-Ethernet, Si-DeviceNET, Si-CANopen, Si-PROFINET, Si-I/O, Si-Encoder (speed feedback), Remote I/O, Si-Powerlink, Si-Universal Encoder, MCI200, MCI210, Si-Apps Compact and PTi210.  Rearvent, Compact brake resistor 6 External brake resistors, Encoder brakeout connector, Ki-485 adaptor, KI compact display (supplied with M750, M753, and M754 Dives). Digitas ST retorit brackets, Si-Option communication (size Mro filters, Cameral ints), Uniforte Mro Digitas Kis, Remote keypad RTC, Mill-assis (Size Valle Ink, Commact (Kis, Cernael Brick), Digitas ST retorit brackets, Si-Option combet emounting kits, External Brack (Rifers, Size) (supplied with M750, M753, and M754 Dives). Digitas ST retorit brackets, Si-Option (comma link), Uniforke M to Digitas House brackets.	Emission compliance	requirements of Equipment  Category C1 when installed with the recommended filters (dependant on switching frequency).
Communications  M751 – RS-485 M753 – EtherNet (multiprotocol) M751 – RS-485 M753 – EtherCAT M754 – EtherNet S1 Options – EtherCAT, RPOFIBUS, Ethernet, DeviceNet, CANopen, PROFINET V2  Land Control I/O  1 x Analogue input, 2 x Digital input, 2 x Digital output, 1 x Motor brake output, 7 x 0 V common, 1 x 24V user output. Pluggable control connector with push in spring connection.  (Additional I/O available with S1-I/O option module). 2 x External 24 Vdc User supplied ports for control supply, Pluggable connector with screw connection.  Accuracy  Frequency 0.01%, Analog input 1: 11 bit plus sign. Current typical 2%.  On-Board advanced motion controller  Advanced 1.5 axes Motion Controller, key features include – Real-time tasks – 250 µs cycle time – Motion profile generator – Electronic gearbox – Interpolated CAM – Horning functions – High speed position freeze  Keypad  Single 7 segment display with 2 x rotary dials for node address setting. Remote keypad with Real-time clock available as option (Optional on M751).  Parameter backup and cloning  Smartcard and SD card (using SD card adapter)  PC Tools  'Connect' commissioning and cloning tool including CT Oscilloscope, Machine Control Studio for On-board PLC programming.  Warranty  2 years  Supported options  S1-EtherCAT, S1-PROFIBUS, S1-Ethernet, S1-DeviceNET, S1-CANopen, S1-PROFINET, S1-I/O, S1-Encoder (speed feedback), Remote I/O, S1-Powerlink, S1-Universal Encoder, MCI200, MCI210, S1-Apps Compact and PTI210.  Rear vent, Compact brake resistor & External brake resistors, Encoder breakout connector, K1-495 adaptor, K1 compact display (supplied with M750, M753, and M754 Drives), Digitax S1 retorift brackets, S1-Option module mounting k1E. External EMC filters, Fan replacement kits, Remote k20pad RTC, Multi-stak its (24Vel kit links), Unitive Was Displax M10 Cousbar	Cooling	Ultraflow™ rear venting option available
Communications  M751 – R5-485 M753 – EtherCAT M754 – EtherCAT M754 – EtherCAT M754 – EtherCAT M754 – EtherNet SI Options – EtherCAT,PROFIBUS, Ethernet, DeviceNet, CANopen, PROFINET V2  Land Control VO  1 x Analogue input, 2 x Digital input, 2 x Digital output, 1 x Motor brake output, 7 x 0 V common, 1 x 24V user output. Pluggable control connector with push in spring connection. (Additional VIO available with SI-VIO option module). 2 x External 24 Vdc User supplied ports for control supply. Pluggable connector with screw connection.  Accuracy  Frequency 0.01%, Analog input 1: 11 bit plus sign. Current typical 2%.  On-Board advanced motion controller  Advanced 1.5 axes Motion Controller, key features include: – Real-time tasks – 250 µs cycle time – Motion profile generator – Electronic gearbox – Interpolated CAM – Homing functions – High speed position freeze  Keypad  Single 7 segment display with 2 x rotary dials for node address setting. Remote keypad with Real-time clock available as option (Optional on M751).  Parameter backup and cloning  Smartcard and SD card (using SD card adapter)  PC Tools  'Connect' commissioning and cloning tool including CT Oscilloscope, Machine Control Studio for On-board PLC programming.  Warranty  2 years  Supported options  SI-EtherCAT, SI-PROFIBUS, SI-Ethernet, SI-DeviceNET, SI-CANopen, SI-PROFINET, SI-VO, SI-Encoder (speed feedback), Remote I/O, SI-Powerlink, SI-Universal Encoder, MCI200, MCI210, SI-Apps Compact and PTi210.  Accessories  Rear vent, Compact brake resistor 6 External brake resistors, Encoder breakout connector, KI-485 adaptor, KI compact display (supplied with M750, M753, and M754 Drives), Digitax 57 retrofit brackets, SI-Option module mounting kit, External EMC filters, Far replacement kits, Remote Keypad RTC (Muthasias kits (24/det), Loss link, Commist pink), Unifore We tool gits at HD DC busbar	Safe Torque off	Dual STO channels. SIL3/PLe compliant
Control I/O  Control I/O  Control Connector with push in spring connection.  (Additional I/O available with SI-I/O option module).  2 x External 24 Vdc User supplied ports for control supply. Pluggable connector with screw connection.  Accuracy  Frequency 0.01%, Analog input 1: 11 bit plus sign. Current typical 2%.  On-Board advanced motion controller  Advanced 1.5 axes Motion Controller, key features include: — Real-time tasks — 250 µs cycle time — Motion profile generator — Electronic gearbox — Interpolated CAM — Homing functions — High speed position freeze  Keypad  Single 7 segment display with 2 x rotary dials for node address setting. Remote keypad with Real-time clock available as option (Optional on M751).  Parameter backup and cloning  Smartcard and SD card (using SD card adapter)  PC Tools  'Connect' commissioning and cloning tool including CT Oscilloscope, Machine Control Studio for On-board PLC programming.  Warranty  2 years  Supported options  SI-EtherCAT, SI-PROFIBUS, SI-Ethernet, SI-DeviceNET, SI-CANopen, SI-PROFINET, SI-I/O, SI-Encoder (speed feedback), Remote I/O, SI-Powerlink, SI-Universal Encoder, MCi200, MCi210, SI-Apps Compact and PTi210.  Accessories  Rear vent, Compact brake resistor & External brake resistors, Encoder breakout connector, KI-485 adaptor, KI compact display (supplied with M750, M753, and M754 Drives), Digitax ST retroit brackets, SI-Option module mounting kit. External EMC filters, Fan replacement kits, Remote keypad and RT, Multi-ask kits (24 Vdd clink, OC bus link, Commist link), Unicrive No to Bigtax HDD Cusbar	Communications	M751 – RS-485 M753 – EtherCAT M754 - EtherNet
On-Board advanced motion controller  Advanced 1.5 axes Motion Controller, key features include: – Real-time tasks – 250 µs cycle time – Motion profile generator – Electronic gearbox – Interpolated CAM – Homing functions – High speed position freeze  Keypad  Single 7 segment display with 2 x rotary dials for node address setting. Remote keypad with Real-time clock available as option (Optional on M751).  Parameter backup and cloning  Smartcard and SD card (using SD card adapter)  PC Tools  'Connect' commissioning and cloning tool including CT Oscilloscope, Machine Control Studio for On-board PLC programming.  Warranty  2 years  Supported options  SI-EtherCAT, SI-PROFIBUS, SI-Ethernet, SI-DeviceNET, SI-CANopen, SI-PROFINET, SI-I/O, SI-Encoder (speed feedback), Remote I/O, SI-Powerlink, SI-Universal Encoder, MCI200, MCi210, SI-Apps Compact and PTi210.  Rear vent, Compact brake resistor 6 External brake resistors, Encoder breakout connector, KI-485 adaptor, KI compact display (supplied with M750, M753, and M754 Drives), Digitax ST retrofit brackets, SI-Option module mounting kit. External EMC filters, Fan replacement kits, Remote Keypad RTC, Multi-axis kits (24Vdc Link, DC bus link, Comms link), Unidrive M to Digitax HD DC busbar	Control I/O	control connector with push in spring connection.  (Additional I/O available with SI-I/O option module).
Electronic gearbox – Interpolated CAM – Homing functions – High speed position freeze  Keypad Single 7 segment display with 2 x rotary dials for node address setting. Remote keypad with Real-time clock available as option (Optional on M751).  Parameter backup and cloning Smartcard and SD card (using SD card adapter)  PC Tools 'Connect' commissioning and cloning tool including CT Oscilloscope, Machine Control Studio for On-board PLC programming.  Warranty 2 years  Supported options SI-EtherCAT, SI-PROFIBUS, SI-Ethernet, SI-DeviceNET, SI-CANopen, SI-PROFINET, SI-I/O, SI-Encoder (speed feedback), Remote I/O, SI-Powerlink, SI-Universal Encoder, MCi200, MCi210, SI-Apps Compact and PTi210.  Accessories Rear vent, Compact brake resistor & External brake resistors, Encoder breakout connector, KI-485 adaptor, KI compact display (supplied with M750, M753, and M754 Drives), Digitax ST retrofit brackets, SI-Option module mounting kit. External EMC filters, Fan replacement kits, Remote Keypad RTC, Multi-axis kits (24Vdc link, DC bus link, Comms link), Unidrive M to Digitax HD DC busbar	Accuracy	Frequency 0.01%, Analog input 1: 11 bit plus sign. Current typical 2%.
Parameter backup and cloning  Smartcard and SD card (using SD card adapter)  PC Tools  'Connect' commissioning and cloning tool including CT Oscilloscope, Machine Control Studio for On-board PLC programming.  Warranty  2 years  Supported options  SI-EtherCAT, SI-PROFIBUS, SI-Ethernet, SI-DeviceNET, SI-CANopen, SI-PROFINET, SI-I/O, SI-Encoder (speed feedback), Remote I/O, SI-Powerlink, SI-Universal Encoder, MCi200, MCi210, SI-Apps Compact and PTi210.  Rear vent, Compact brake resistor & External brake resistors, Encoder breakout connector, KI-485 adaptor, KI compact display (supplied with M750, M753, and M754 Drives), Digitax ST retrofit brackets, SI-Option module mounting kit. External EMC filters, Fan replacement kits, Remote Keypad RTC, Multi-axis kits (24Vdc link, DC bus link, Comms link), Unidrive M to Digitax HD DC busbar	On-Board advanced motion controller	
PC Tools  'Connect' commissioning and cloning tool including CT Oscilloscope, Machine Control Studio for On-board PLC programming.  Warranty  2 years  Supported options  SI-EtherCAT, SI-PROFIBUS, SI-Ethernet, SI-DeviceNET, SI-CANopen, SI-PROFINET, SI-I/O, SI-Encoder (speed feedback), Remote I/O, SI-Powerlink, SI-Universal Encoder, MCi200, MCi210, SI-Apps Compact and PTi210.  Rear vent, Compact brake resistor & External brake resistors, Encoder breakout connector, KI-485 adaptor, KI compact display (supplied with M750, M753, and M754 Drives), Digitax ST retrofit brackets, SI-Option module mounting kit. External EMC filters, Fan replacement kits, Remote Keypad RTC, Multi-axis kits (24Vdc link, DC bus link, Comms link), Unidrive M to Digitax HD DC busbar	Keypad	
Warranty 2 years  Supported options SI-EtherCAT, SI-PROFIBUS, SI-Ethernet, SI-DeviceNET, SI-CANopen, SI-PROFINET, SI-I/O, SI-Encoder (speed feedback), Remote I/O, SI-Powerlink, SI-Universal Encoder, MCi200, MCi210, SI-Apps Compact and PTi210.  Rear vent, Compact brake resistor & External brake resistors, Encoder breakout connector, KI-485 adaptor, KI compact display (supplied with M750, M753, and M754 Drives), Digitax ST retrofit brackets, SI-Option module mounting kit. External EMC filters, Fan replacement kits, Remote Keypad RTC, Multi-axis kits (24Vdc link, DC bus link, Comms link), Unidrive M to Digitax HD DC busbar	Parameter backup and cloning	Smartcard and SD card (using SD card adapter)
Supported options  SI-EtherCAT, SI-PROFIBUS, SI-Ethernet, SI-DeviceNET, SI-CANopen, SI-PROFINET, SI-I/O, SI-Encoder (speed feedback), Remote I/O, SI-Powerlink, SI-Universal Encoder, MCi200, MCi210, SI-Apps Compact and PTi210.  Rear vent, Compact brake resistor & External brake resistors, Encoder breakout connector, KI-485 adaptor, KI compact display (supplied with M750, M753, and M754 Drives), Digitax ST retrofit brackets, SI-Option module mounting kit. External EMC filters, Fan replacement kits, Remote Keypad RTC, Multi-axis kits (24Vdc link, DC bus link, Comms link), Unidrive M to Digitax HD DC busbar	PC Tools	'Connect' commissioning and cloning tool including CT Oscilloscope, Machine Control Studio for On-board PLC programming.
SI-Powerlink, SI-Universal Encoder, MCi200, MCi210, SI-Apps Compact and PTi210.  Rear vent, Compact brake resistor & External brake resistors, Encoder breakout connector, KI-485 adaptor, KI compact display  (supplied with M750, M753, and M754 Drives), Digitax ST retrofit brackets, SI-Option module mounting kit. External EMC filters, Fan replacement kits, Remote Keypad RTC, Multi-axis kits (24Vdc link, DC bus link, Comms link), Unidrive M to Digitax HD DC busbar	Warranty	2 years
Accessories (supplied with M750, M753, and M754 Drives), Digitax ST retrofit brackets, SI-Option module mounting kit. External EMC filters, Fan replacement kits, Remote Keypad RTC, Multi-axis kits (24Vdc link, DC bus link, Comms link), Unidrive M to Digitax HD DC busbar	Supported options	
	Accessories	(supplied with M750, M753, and M754 Drives), Digitax ST retrofit brackets, SI-Option module mounting kit. External EMC filters, Fan replacement kits, Remote Keypad RTC, Multi-axis kits (24Vdc link, DC bus link, Comms link), Unidrive M to Digitax HD DC busbar

#### **Documentation & Downloads**

Product documentation and PC tools available for download from: <a href="https://www.controltechniques.com/support">www.controltechniques.com/support</a>

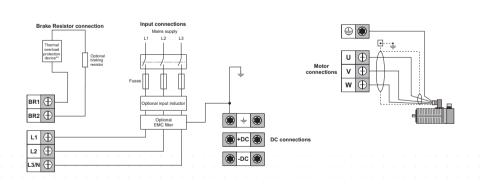


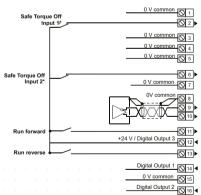
### **DIMENSIONS**

	imension	nensions M			Mounting Dimensions				Mounting Hole Diameter		Weight			
Frame Size	mm		in		mm		in							
		w		н	w	D		w	н	w	mm	in	kg	lb
1	233	40	174	9.17	1.58	6.85	222	12	8.74	0.47	5.2	0.21	1.9	4.2
2	278	40	174	10.95	1.58	6.85		12	10.51	0.47	5.2	0.21	2.3	5.1
3	328	40	174	12.91	1.58	6.85	317	12	12.48	0.47	5.2	0.21	2.5	5.5



### **CONNECTIONS**

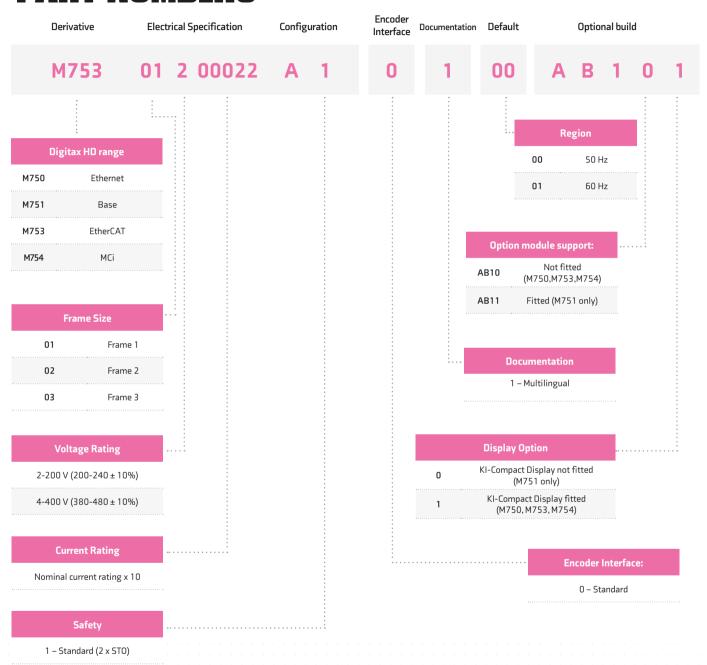




**Typical Power Connections** 

**Default Control Connections** 

### **PART NUMBERS**



## **MODEL NUMBER AND RATINGS**

200 V Single Phase												
Frame Size W x D x H mm (in)	Frame Size 01 40 x 174 x 233 (1.57	x 6.85 x 9.17)		Frame Size 03 40 x 174 x 328 (1.57 x 6.85 x 12.91)								
Line Supply		Single Phase AC 200 V240 V (± 10%) @ 4566 Hz										
M75X	01200022	01200040	01200065	02200090	02200120	03200160						
Output Servo												
Rated Current (A)	1.1	2.2	3.5	5.6	7.5	10.8						
Max Peak Current (A)	6.6	12	19.5	27	36	48						
Output AC Induction												
Max Continuous Current (A)	1.1	2.2	3.5	5.6	7.5	10.8						
Open Loop Peak Current (A)	3.3	6	9.8	13.5	18	24						
Closed Loop Peak Current (A)	6.6	12	19.5	27	36	48						
Motor Power at 230 V (kW)	0.18	0.37	0.75	1.1	1.5	2.2						
Motor Power at 230 V (hp)	0.25	0.5	1.0	1.5	2.0	3.0						
Overload												
Closed-loop Overload			Maximum closed	d loop peak current for	0.25 s							
Open-loop Overload	Maximum open loop peak current for 8 s											

200 V Three Phase										
Frame Size W x D x H mm (in)		Frame Size 01 40 x 174 x 233	(1.57 x 6.85 x 9.	17)	Frame Size 02 40 x 174 x 278 (1.57	x 6.85 x 10.94)	Frame Size 03 40 x 174 x 328 (1.57 x 6.85 x 12.91)			
Line supply		Three Phase AC 200 V240 V (± 10%) @ 4566 Hz								
N	M75X	01200022	01200040	01200065	02200090	02200120	03200160			
Input										
Max Power (kW)			4		5.	3	10*			
Output Servo										
Rated Current (A)		2.2	4	6.5	9	12	16			
Max Peak Current (A)		6.6	12	19.5	27	36	48			
Output AC Induction										
Max Continuous Current (A)		2.2	4	6.5	9	12	16			
Open Loop Peak Current (A)		3.3	6	9.8	13.5	18	24			
Closed Loop Peak Current (A)		6.6	12	19.5	27	36	48			
Motor Power at 230 V (kW)		0.37	0.75	1.1	2.2	2.2	4.0			
Motor Power at 230 V (hp)		0.5	1.0	1.5	2.0	3.0	5.0			
Overload										
Closed-loop Overload				:	300 % for 0.25 s or 200	1 % for 4 s				
Open-loop Overload					150 % for 8 s					

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400 V Three Phase										
Frame Size W x D x H mm (in)		Frame Size 01 40 x 174 x 233 (1.57 x 6.85 x 9.17)			Frame Size 02 40 x 174 x 278 (1.57 x 6.85 x 10.94)			Frame Size 03 40 x 174 x 328 (1.57 x 6.85 x 1		
Line supply					e Phase AC 380	V480 V (± 10	%) @ 4566 H			
	M75X	01400015	01400030	01400042	02400060	02400080	02400105	03400135	03400160	
Input										
Max Power (kW)			6.5			8.7			10/13*	
Output Servo										
Rated Current (A)		1.5	3	4.2	6	8	10.5	13.5	16	
Max Peak Current (A)		4.5	9	12.6	18	24	31.5	40.5	48	
Output AC Induction										
Max Continuous Current (A)		1.5	3	4.2	6	8	10.5	13.5	16	
Open Loop Peak Current (A)		2.3	4.5	6.3	9	12	15.8	20.3	24	
Closed Loop Peak Current (A)		4.5	9	12.6	18	24	31.5	40.5	48	
Motor Power at 400 V (kW)		0.37	0.75	1.5	2.2	3.0	4.0	5.5	5.5	
Motor Power at 400 V (hp)		0.75	1.5	2.0	3.0	5.0	5.0	7.5	10.0	
Overload										
Closed-loop Overload	300 % for 0.25 s or 200 % for 4 s									
Open-loop Overload					1	50 % for 8 s				

