
Chapter 1

Product Overview

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Chapter 1 Product Overview

DESCRIPTION

The 584S range of Frequency Inverters are intended for speed control of standard 3 phase induction motors. The range covers motor power ratings from 0.75kW (1hp) to 75kW (100hp) for constant torque applications and 1.1kW (1.5hp) to 90kW (120hp) for quadratic torque applications. This dual mode feature provides the user with a cost effective solution to general industry (Constant torque) applications as well as the control of pumps and fans (Quadratic torque). All products allow either of these two modes to be selected via software. All products are designed to operate from a 3 phase mains supply with voltages of either 208V to 240V or 380V to 460V +/- 10%.

Using advanced microprocessor technology the motor is sinusoidally excited over the full speed range. Maximum frequencies of 120Hz, 240Hz and 480Hz are selectable. Voltage/frequency characteristics are widely adjustable giving optimum control of constant torque loads or efficient operation of fans and pumps.

Selectable switching frequencies and a unique "Quiet Pattern" PWM strategy are employed to minimise the audible noises from the motor. Parameters and diagnostic messages are displayed in plain multilingual text on the menu-driven display. Four push buttons provide quick access to any drive parameter and six additional keys provide the user with basic operational control of the product.

There are several levels of protection built into the drive which ensure that the drive will protect itself under abnormal conditions but will not trip unnecessarily.

Option cards can be fitted inside the drive giving serial communications, closed loop speed control and dynamic braking functions.

PRODUCT RANGE

The 584S is available in four chassis types as follows;

CHASSIS	POWER CONSTANT TORQUE (208 to 240 volts)	POWER QUADRATIC TORQUE (208 to 240 volts)	POWER CONSTANT TORQUE (380 to 460 volts)	POWER QUADRATIC TORQUE (380 to 460 volts)
TYPE 4	0.75 - 4.0kW	1.1 - 5.5kW	0.75 - 7.5kW	1.1 - 11kW
TYPE 5	5.5 - 7.5kW	7.5 - 9kW	11.0 - 15.0kW	15 - 18kW
TYPE 6	11.0 - 18.0kW	15 - 22kW	18.0 - 37.0kW	22 - 45kW
TYPE 7	22.0 - 37.0kW	30 - 45kW	45.0 - 75.0kW	55 - 90kW

The 584S models are housed in chassis of similar appearance, refer to Figure 1.1. The chassis size increases with power rating. The models are further identified by the product code, refer to "PRODUCT CODE" in this chapter.

Equipment Supplied

The following equipment is supplied as standard with the 584S Frequency Inverters:

- 1) Frequency Inverter
- 2) Product manual

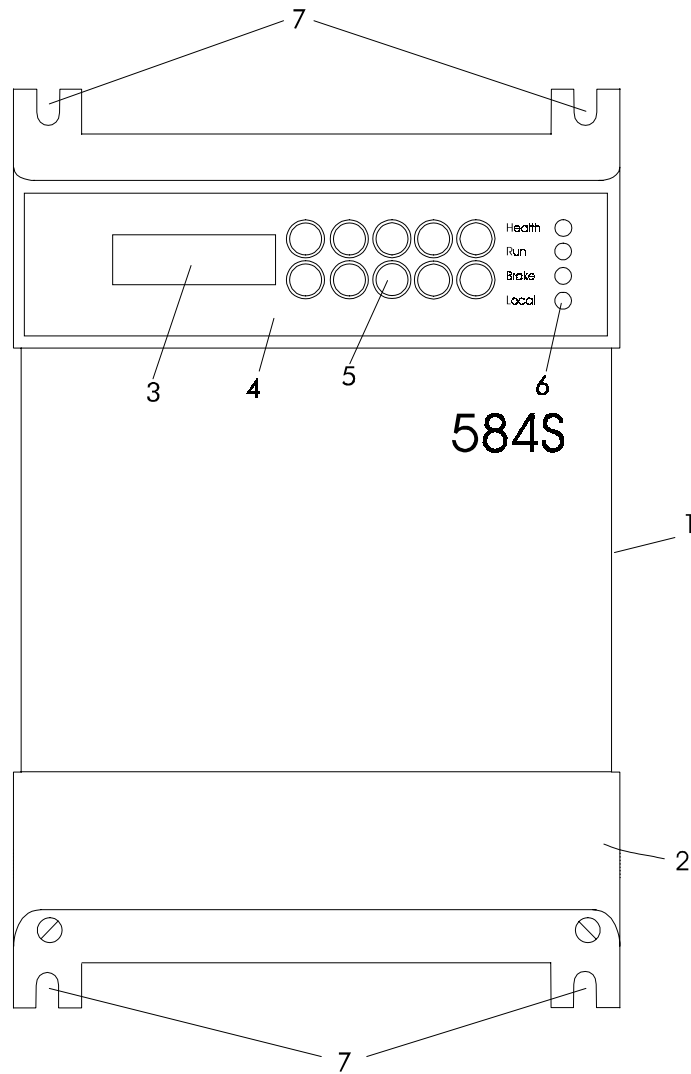
Optional Equipment

The following equipment options are available for the 584S Frequency Inverters:

- 1) Dynamic Braking Module (fitted internally)
- 2) RS485/RS422 Serial Comms Interface
- 3) Closed Loop Speed Control by Digital Encoder.
- 4) UL Type 1 Top Cover (IP4X).
- 5) Glandbox.

COMPONENT IDENTIFICATION

This manual refers to various connector terminals within the equipment which are accessible to the user for installation purposes. A diagram of a 584S Frequency Inverter is given in Figure 1.1.



Item	Description
1	Drive Controller
2	Terminal Cover
3	LCD
4	MMI (LCD + Buttons)
5	Function Buttons
6	Status LEDs
7	Fixing Points

Figure 1.1 - 584S Frequency Inverter

TECHNICAL SPECIFICATION

The following paragraphs provide technical information regarding the features and performance characteristics of the 584S Frequency Inverters.

General

Control:	Full control via the MMI display menus and external analogue and digital control inputs. Controls include:	
	Output Frequency	0-120, 240 or 480Hz (selectable).
	Switching Frequency	3,6 or 9kHz (selectable) for power ratings up to 7.5kW. 3 or 6kHz (selectable) for power ratings from 11kW to 75kW. 3kHz only for power ratings above 75kW.
	Voltage Boost	0-25% (selectable auto or manual).
	Slip Compensation	0-Limit Frequency/24.
	Skip Frequencies	4.
	Skip Frequency width	0-Limit Frequency/12.
	Preset Speeds	8.
	Stopping Modes	Ramp. Ramp and DC holding pulse. Injection braking. Coast. FRAMP - fast ramp.
	Ramps	2 independent up/down rates.
Protection:	Trip Conditions	Short circuit line - line. Short circuit line - earth. Overcurrent > 220%. I x t overload 50 - 105% (adjustable). Heatsink overtemperature. Motor thermistor overtemperature. Overvoltage. Undervoltage
	Current Limits	50 - 150% adjustable. 180% shock load limit.
	Voltage/Frequency Profile	Constant torque. Fan law (Base frequency adjustable).
Diagnostics/monitoring Full diagnostics/monitoring provided by the MMI display and status LEDs.		
Inputs/Outputs	Analogue Inputs	Speed setpoint $\pm 10V$ or 0 - 10V plus direction. Speed trim $\pm 10V$. Speed setpoint 4 - 20, 20 - 4, 0 - 20 or 20 - 0mA. Torque limit 0 - 10V.
	Analogue Outputs	Speed 0 - 10V. Load $\pm 10V$.
	Digital Inputs (24V DC)	Run, Framp, Direction, Ext. trip, Jog, Preset 1, Preset 2, Manual / Auto.
	Digital Outputs (Relay Contact)	Health Relay. 2 x Customer programmable relays. (SELV)

Electrical Ratings - Power Circuit (Constant torque)

Input Voltage 380V to 460V*±10%, 50/60Hz	TYPE 4							TYPE 5		TYPE 6				TYPE 7		
Product Code Block 2	0007	0011	0015	0022	0040	0055	0075	0110	0150	0180	0220	0300	0370	0450	0550	0750
Power (kW)	0.75	1.1	1.5	2.2	4.0	5.5	7.5	11	15	18	22	30	37	45	55	75
Input Current (A)	3.0	4.5	6.0	8.0	11	15	18	25	31	40	46	61	72	91	110	150
Output Current (A)	2.3	3.3	4.5	6.3	9.4	13	16	24	30	39	46	61	72	91	110	150
Input p.f.	0.95							0.86								
Input Fuse/(Circuit Breaker) (A)	10				20			40 ¹	40 ¹	50 ¹	63 ¹	100 ¹		125 ¹	160 ¹	200
Approx. loss @ 6kHz (W)	60	70	85	110	150	200	250	350	400	550	630	820	1050	1300	1600	2200
Switching Frequency.	3kHz/6kHz/9kHz							3kHz/6kHz								

* Suitable for earth referenced (TN) and non earth referenced (IT) supplies.

Input Voltage 208V to 240V*±10%, 50/60Hz	TYPE 4							TYPE 5		TYPE 6				TYPE 7		
Product Code Block 2	0007	0011	0015	0022	0040	0055	0075	0110	0150	0180	0220	0300	0370	0450	0550	0750
Power (kW)	0.75	1.1	1.5	2.2	4.0	5.5	7.5	11	15	18	22	30	37	45	55	75
Input Current (A)	5.5	7.5	9.5	12	19	25	31	46	61	72	86	120	145	180	220	280
Output Current (A)	4.3	6	8	10.5	17	24	30	46	61	72	86	120	145	180	220	280
Input p.f.	0.95							0.86								
Input Fuse/(Circuit Breaker) (A)	10			15	20			40 ¹	40 ¹	63 ¹	100 ¹		125 ¹	160 ¹	200	
Approx. loss @ 6kHz (W)	70	90	100	130	210	270	360	510	680	830	980	1300	1600	2000	2500	3200
Switching Frequency	3kHz/6kHz/9kHz							3kHz/6kHz								

Common		TYPE 4	TYPE 5	TYPE 6	TYPE 7
Output Voltage (max)		Input Voltage			
Output Overload		150% for 60s			
Output Frequency		0 to 120Hz/240Hz/480Hz			
Temperature Range		0 to 50°C (0 to 40°C for 2.2 kW 380 - 460V)			0 - 50°C @ 3kHz 0 - 45°C @ 6kHz
	UL Type 1	0 to 40°C			
Earth Leakage Current		> 50mA AC. Permanent Protective Earthing Required			

Note :-

For installations requiring UL compliance, short circuit protection Semiconductor Fuses should be installed in the 3-phase supply to the 584S products. These fuses are suitable for branch circuit short-circuit protection of the solid-state motor controllers only. For installations NOT requiring UL compliance, use class "T" fuses or a circuit breaker.

Electrical Ratings - Power Circuit (Quadratic torque)

Input Voltage 380V to 460V*±10%, 50/60Hz	TYPE 4							TYPE 5		TYPE 6				TYPE 7		
Product Code Block 2	0007	0011	0015	0022	0040	0055	0075	0110	0150	0180	0220	0300	0370	0450	0550	0750
Power (kW)	1.1	1.5	2.2	3.0	5.5	7.5	11	15	18	22	30	37	45	55	75	90
Input Current (A)	4.4	5.8	7.0	9.5	14.5	18	24	31	38	47	61	74	91	115	156	182
Output Current (A)	3.2	4.0	5.4	7.1	13	16	22	29	36	45	59	72	86	107	145	176
Input p.f.	0.95							0.86								
Input Fuse/(Circuit Breaker) (A)	10				20		32	40 ¹	50 ¹	63 ¹	100 ¹	100 ¹	125 ¹	160 ¹	200 ¹	200 ¹
Approx. loss @ 3kHz (W)	60	70	85	110	150	200	250	350	400	550	630	820	1050	1300	1600	2200
Switching Frequency.	3kHz							3kHz								

* Suitable for earth referenced (TN) and non earth referenced (IT) supplies.

Input Voltage 208V to 240V*±10%, 50/60Hz	TYPE 4						TYPE 5		TYPE 6			TYPE 7		
Product Code Block 2	0007	0011	0015	0022	0040	0055	0075	0110	0150	0180	0220	0300	0370	0450
Power (kW)	1.1	1.5	2.2	3.0	5.5	7.5	9.0	15	18	22	30	37	45	55
Input Current (A)	7.5	8.5	12	15	24	32	38	60	73	87	107	145	176	200
Output Current (A)	6.0	7.2	10.5	13	22	30	36	59	72	86	107	145	176	200
Input p.f.	0.95						0.86							
Input Fuse/(Circuit Breaker) (A)	10			15	20	32	40 ¹	50 ¹	100 ¹		125 ¹	160 ¹	200 ¹	200 ¹
Approx. loss @ 3kHz (W)	70	90	100	130	210	270	360	510	680	830	980	1300	1600	2000
Switching Frequency	3kHz						3kHz							

Common		TYPE 4	TYPE 5	TYPE 6	TYPE 7
Output Voltage (max)		Input Voltage			
Output Overload		110% for 10s			
Output Frequency		0 to 120Hz/240Hz/480Hz			
Temperature Range		0 to 40°C			
	UL Type 1	0 to 35°C			
Output Frequency		0 to 120Hz/240Hz/480Hz			
Earth Leakage Current		> 50mA AC. Permanent Protective Earthing Required			

Note :-

For installations requiring UL compliance, short circuit protection Semiconductor Fuses should be installed in the 3-phase supply to the 584S products. These fuses are suitable for branch circuit short-circuit protection of the solid-state motor controllers only. For installations NOT requiring UL compliance, use class "T" fuses or a circuit breaker.

Electrical Ratings - Control Circuit

The following ratings relate to 584S products.

Supplies

Reference Supplies (for all analogue inputs)	+ 10V \pm 0.1V, 10mA max - 10V \pm 0.1V, 10mA max
Reference Supply (for all digital inputs)	+24V \pm 10%, 200mA max.

Analogue I/O

	INPUT	OUTPUT
Impedance	94k Ω (terminal 3, 235 Ω)	100 Ω
Range	\pm 10V	\pm 10V
Resolution	10 bit (1 in 1024)	8 bit (1 in 256)
Sample Rate	20ms	20ms
Current (max.)	1mA (terminal 3, 20mA)	5mA

Digital Inputs

Input voltage	Min. -30V DC	Nominal 24V DC	Max. 30V DC
Input Impedance	4k7 Ω		
Sample Rate	20ms		
Threshold	V _{in} low <6V DC	Typical 12V DC	V _{in} high >18V DC

Digital Outputs

Volt Free Relay Contacts	
Maximum voltage	220V AC (USA), 25V AC 60V DC (EUROPE)
Maximum current	3A resistive load

Table 1.1 - Control Terminal Specifications

Mechanical Details

584S (TYPE 4)

AIR FLOW CLEARANCE	Refer to figure 3.1		
MOUNTING ORIENTATION	Vertical		
WEIGHT	2.2 kW (400V)	1.1 kW (230V)	7 kg
	4.0 kW (400V)	2.2 kW (230V)	7 kg
	5.5 kW (400V)		8.5kg
	7.5 kW (400V)	4.0 kW (230V)	9.3kg
DIMENSIONS	Refer to figure 3.1		
POWER AND EARTH (GROUND) TERMINATIONS	M5 slotted screws. Tightening torque 2.5Nm, 22.1lb-in (1.8lb-ft).		
CONTROL TERMINATIONS	Removable screw connectors for 0.75mm ² wire. Terminals will accept up to 3.3mm ² wire (12 AWG). Tightening torque 0.56 - 0.79Nm, 5-7lb-in (0.42 - 0.58lb-ft)		


584S (TYPE 5)

AIR FLOW CLEARANCE	Refer to figure 3.1		
MOUNTING ORIENTATION	Vertical		
WEIGHT	11 kW (400V)	5.5 kW (230V)	12 kg
	15 kW (400V)	7.5 kW (230V)	12 kg
POWER TERMINATIONS	M5 slotted screws. Tightening torque 2.5Nm, 22.1lb-in (1.8lb-ft)		
EARTH (GROUND) TERMINATIONS	M5 studs with nut. Tightening torque 2.5Nm, 22.1lb-in (1.8 lb-ft)		
DIMENSIONS	Refer to figure 3.1		
CONTROL TERMINATIONS	Removable screw connectors for 0.75mm ² wire. Terminals will accept up to 3.3mm ² wire (12 AWG). Tightening torque 0.56 - 0.79Nm, 5-7lb-in (0.42 - 0.58lb-ft)		

584S (TYPE 6)

AIR FLOW CLEARANCE	Refer to figure 3.1		
MOUNTING ORIENTATION	Vertical		
WEIGHT	18 kW (400V)		28 kg
	22 kW (400V)	11 kW (230V)	29 kg
	30 kW (400V)	15 kW (230V)	30 kg
	37 kW (400V)	18 kW (230V)	34 kg
DIMENSIONS	Refer to figure 3.1		
POWER AND EARTH (GROUND) TERMINATIONS	Compact high current terminal blocks. Terminals accommodate wire range 0.8 - 53.5mm ² (18 - 1/0 AWG) Tightening torque 3.4 - 5.6Nm, 30 - 50lb-in (2.5 - 4.2lb-ft).		
CONTROL TERMINATIONS	Removable screw connectors for 0.75mm ² wire. Terminals will accept up to 3.3mm ² wire (12 AWG). Tightening torque 0.56 - 0.79Nm, 5 - 7lb-in (0.42 - 0.58lb-ft)		

584S (TYPE 7)

AIR FLOW CLEARANCE	Refer to figure 3.1		
MOUNTING ORIENTATION	Vertical		
WEIGHT	45 kW (400V)	22 kW (230V)	76 kg
	55 kW (400V)	30 kW (230V)	80 kg
	75 kW (400V)	37 kW (230V)	84 kg
DIMENSIONS	Refer to figure 3.1		
POWER AND EARTH (GROUND) TERMINATIONS	<p>(a) Supply (L1-3), Motor (M1/U-M3/W), Brake (DBR1-2) Terminals: Compact high current terminal blocks. Terminals accommodate wire range 33.6 - 107.2mm² (2 - 4/0 AWG). Tightening torque 20Nm, 175lb-in (14.6lb-ft).</p> <p>(b) D.C. interconnection terminals (DC+, DC-): Compact high current terminal blocks. Terminals accommodate wire range 33.6 - 152mm² (2AWG - 300kcmil (MCM)). Tightening torque 30.5Nm, 270lb-in (22.5lb-ft).</p> <p>(c) Earth (ground)  : Compact high current terminal blocks. Terminals accommodate wire range 33.6 - 107.2mm² (2 - 4/0 AWG). Tightening torque 22.6Nm, 200lb-in (16.7lb-ft).</p>		
CONTROL TERMINATIONS	Removable screw connectors for 0.75mm ² wire. Terminals will accept up to 3.3mm ² wire (12 AWG). Tightening torque 0.56 - 0.79Nm, 5 - 7lb-in (0.42 - 0.58lb-ft)		

ENCLOSURE

IP20 (as standard), to be built into a suitable cubicle.

IP40 (with UL Type 1 top cover) Type 4, 5, 6 and 7 only, suitable for wall mounting in Europe.

EMC Specification

For EMC Specification refer to Chapter 7 The European Directives and the 'CE' Mark

Special Considerations for Installations Requiring Compliance with UL Standards

Motor Overload Protection

An external motor overload protective device must be provided by the installer.

OR

Motor overload protection is provided in the controller by means of the thermal device in the motor winding. This protection cannot be evaluated by UL hence it is the responsibility of the installer and/or the local inspector to determine whether the overload protection is in compliance with the National Electrical Code or Local Code requirements.

Branch Circuit/Short Circuit Protection Requirements

Model 584S Type 4 Series

UL Listed (JDDZ) non-renewable cartridge fuses or UL listed (JDRX) renewable cartridge fuses, rated 300Vac or 600Vac as appropriate (depending on the rated input voltage of the drive), must be installed upstream of the drive. For fuse current ratings, see Chapter 1 “Electrical Ratings - Power Circuit”.

Model 584S Type 5 and 6 Series

UL Recognized Component (JFHR2) semiconductor fuses must be installed upstream of the drive. For fuse current ratings, see Chapter 1 “Electrical Ratings - Power Circuit”. Refer to Table 1.2 below for recommended semiconductor fuse manufacturer and model numbers.

Fuse Current Rating	Bussmann Model No.
40A	170M3808
50A	170M3809
63A	170M3810
100A	170M3812
125A	170M3813

Table 1.2 Bussmann International Fuses (Rated 660Vac)

Model 584S Type 7 Series

These devices are provided with solid state short circuit (output) protection. Branch circuit protection should be provided as specified in the National Electrical Code, NEC/NFPA-70.

Short Circuit Ratings

Model 584S Type 4, 5, 6 Series.

Suitable for use on a circuit capable of delivering not more than 5000 RMS Symmetrical Amperes, 240/460V maximum.

Model 584S Type 7 Series

Suitable for use on a circuit capable of delivering not more than (the value shown in Table 1.3 or Table 1.4) RMS Symmetrical Amperes, (the value of rated voltage shown in Table 1.3 or Table 1.4) V maximum.

Output Rating kW	Rated Voltage V	Short Circuit Rating RMS Symmetrical Amperes
22 - 37	208 - 240	5,000
45 - 75	380 - 460	10,000

Table 1.3: Constant Torque (Industrial) Ratings

Output Rating kW	Rated Voltage V	Short Circuit Rating RMS Symmetrical Amperes
30 - 37	208 - 240	5,000
45	208 - 240	10,000
55 - 90	380 - 460	10,000

Table 1.4: Quadratic Torque (HVAC) Ratings

Field Wiring Temperature Rating

Model 584S Type 4, 5, 6 Series.

Use 60°C copper conductors only.

Model 584S Type 7 Series.

Use 75°C copper conductors only.

Motor Base Frequency

The motor base frequency rating is 480Hz maximum.

Operating Ambient Temperature

For operating ambient temperature range, see Chapter 1 “Electrical Ratings - Power Circuit”.

Environmental Rating

Model 584S Type 4, 5, 6, 7 Series with a product code block IV designation xx2x are suitable for direct wall mounting applications as they have a “Type 1 enclosure” rating.

In order to preserve this enclosure rating, it is important to maintain the environmental integrity of the enclosure. The installer must provide correct Type 1 enclosures for all unused clearance/knockout holes within the drive glandbox.

Additionally, in order to preserve the “Type 1 enclosure” rating for 584S Type 7 models, the installer must ensure that the blanking plates are fitted to the ventilation apertures provided within the glandbox.

Environmental Requirements

Humidity (max.)	85% relative humidity at 40°C non-condensing
Altitude	Above 1000m derate 1% per 100m,
Atmosphere	Non flammable, non corrosive and dust free
Operating temperature range	0°C to 50°C (Constant torque mode) 0°C to 40°C (Quadratic torque mode) 0°C to 40°C UL Type 1 option fitted (Constant torque) 0°C to 35°C UL Type 1 option fitted (Quadratic torque)
Storage temperature	Minimum -25°C to maximum +55°C
Transport temperature	Minimum -25°C to maximum +70°C
Enclosure	IP20 (direct conduit connection and UL Type 1 options)
Climatic Conditions	Class 3k3 as defined by prEN50178 (1995)
Pollution Degree	2
Installation / Overvoltage Category	3

PRODUCT CODE

All 584S units are fully identified using an eleven block alphanumeric code. This code details the drive calibration and settings on despatch from the factory. The product code appears as the "Model No." on the rating label at the side of the unit. Details of each block of the product code are given in Table 1.5.

Table 1.5 - Product Code Block Descriptions

Block No.	Variable	Description
1	584S	Generic product
2	XXXX	<p>Four numbers specifying the constant torque power rating kW. (For quadratic torque see Electrical Ratings - Power Circuit (Quadratic torque) table on page 1.5)</p> <p>0007=0.75kW 0011= 1.1 0015= 1.5 0022=2.2 0040=4.0 0055=5.5 0075=7.5 0110= 11 0150= 15 0180= 18 0220=22 0300=30 0370=37 0450=45 (380-460V only) 0550=55 (380-460V only) 0750=75 (380-460V only)</p>
3	XXX	<p>Three numbers specifying the nominal input voltage rating:</p> <p>230 208 to 240V (±10%) 50/60Hz 400 380 to 460V (±10%) 50/60Hz</p>

Block No.	Variable	Description
4	XXXX	<p>Four digits specifying the mechanical package including livery and mechanical package style:</p> <p>First two digits Livery</p> <p>00 Standard Eurotherm Drives livery</p> <p>01-99 Defined customer liveries</p> <p>Third digit Mechanical packaging style</p> <p>1 Standard (IP20), protected panel mounting</p> <p>2 IP20 and falling dirt protection, (UL Type 1) with glandplate cable entry</p> <p>3 Enclosed (IP20), through panel mounting</p> <p>5 IP20 with falling dirt protection (UL Type 1) only</p> <p>6 IP20 with glandcable entry only</p> <p>Note: Option 3 applies to Type 7 power ratings only.</p> <p>Fourth digit Operator Station</p> <p>0 Standard product (must be 0) - Operator station fitted</p>
5	XX	<p>Two characters specifying the user interface language.</p> <p>These characters are the same as used for computer keyboard specifications:</p> <p>A1 Code</p> <p>FR French</p> <p>GR German</p> <p>UK English</p> <p>US United States (English and 60Hz)</p>
6	XXX	<p>Three characters specifying any feedback option installed over and above the standard features of the product:</p> <p>000 No additional option fitted</p> <p>ENW Encoder (Wire-ended)</p> <p>ENG Encoder (Fibre Optic - Glass)</p>
7	XXXX	<p>Four characters specifying the communications protocol and its hardware implementation method:</p> <p>0000 No communications options fitted</p> <p>EI00 EI ASCII/Bisync with hardware implementation 1 (RS485/422)</p>
8	XXX	<p>Three characters specifying any optional loaded software:</p> <p>000 No software options loaded</p>

Block No.	Variable	Description
9	XX	Two characters specifying the braking option: 00 Brake power switch not fitted B0 Brake power switch fitted - no braking resistors supplied Note: Braking resistors should be specified and ordered separately.
10	XXX	Three characters specifying aux supply required: 000 No aux supply fitted
11	XXX	3 digits specifying engineering special options: 000 No special option

Example Codes:

Industrial Rating

Block 1	Generic product	=	584S	584S/
Block 2	Required power	=	75kW	584S/ 0750/
Block 3	Voltage (nominal)	=	400V	584S/0750/ 400/
Block 4	Livery	=	Eurotherm (IP20)	584S/0750/400/ 0010/
Block 5	Language	=	UK	584S/0750/400/0010/ UK/
Block 6	Feedback option	=	Encoder (glass)	584S/0750/400/0010/UK/ ENG/
Block 7	Communications	=	EI ASCII	584S/0750/400/0010/UK/ENG/ E100/
Block 8	Special Software	=	None	584S/0750/400/0010/UK/ENG/E100/ 000/
Block 9	Brake Option	=	None	584S/0750/400/0010/UK/ENG/E100/000/ 00/
Block 10	Aux Supply	=	None	584S/0750/400/0010/UK/ENG/E100/000/00/ 000/
Block 11	Special options	=	None	584S/0740/400/0010/UK/ENG/E100/000/00/000/ 000

Full Product Code - 584S/0750/400/0010/UK/ENG/E100/000/00/000/000

Quadratic Rating

Block 1	Generic product	=	584S	584S/
Block 2	Required power	=	11kW *	584S/ 0075/
Block 3	Voltage (nominal)	=	400V	584S/0075/ 400/
Block 4	Livery	=	Eurotherm (IP20)	584S/0075/400/ 0010/
Block 5	Language	=	UK	584S/0075/400/0010/ UK/
Block 6	Feedback option	=	None	584S/0075/400/0010/UK/ 000/
Block 7	Communications	=	None	584S/0075/400/0010/UK/000/ 0000/
Block 8	Special Software	=	None	584S/0075/400/0010/UK/000/0000/ 000/
Block 9	Brake Option	=	None	584S/0075/400/0010/UK/000/0000/000/ 00/
Block 10	Aux Supply	=	None	584S/0075/400/0010/UK/000/0000/000/00/ 000/
Block 11	Special options	=	None	584S/0075/400/0010/UK/000/0000/000/00/000/ 000

Full Product Code - 584S/0075/400/0010/UK/000/0000/000/00/000/000

* NOTE:- See Electrical Ratings - Power Circuit (Quadratic torque) on page 1.5 for correct block 2 code