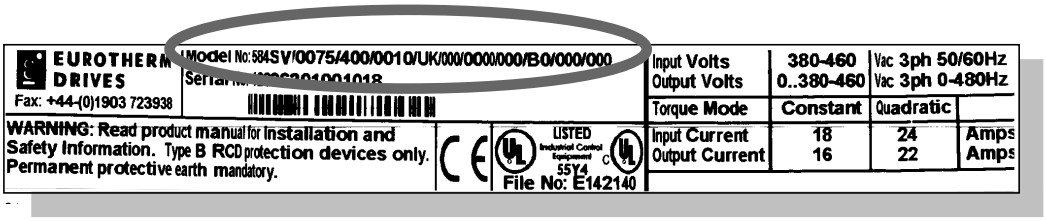
Understanding the Product Code

The 584SV unit is fully identified using an ten block alphanumeric code which records how the Inverter was calibrated, and its various settings when despatched from the factory.

The Product Code appears as the “Model No.”. Each block of the Product Code is identified as below:



Note: *The Language field controls the default setting for the BASE FREQUENCY parameter.*

Block No.	Variable	Description
1	584SV	Generic product
2	XXXX	Four numbers specifying the power output, for example: 0007 = 0.75kW 0011 = 1.1kW 0450 = 45kW 0550 = 55kW
3	XXX	Three numbers specifying the nominal input voltage rating: 230 208 to 240V (±10%) 50/60Hz 400 380 to 460V (±10%) 50/60Hz Sizes 8,9,10 (>75kW) are only available in the 380 to 460V version.
4	XXXX	Four digits specifying the mechanical package including livery and mechanical package style: First two digits Livery 00 Standard Eurotherm Drives livery 01-99 Defined customer liveries Third digit Mechanical packaging style 1 Standard (IP20), protected panel mounting 2 IP20 and falling dirt protection (UL Type 1) with glandplate cable entry 3 Enclosed (IP20), through panel mounting (Type 7 only) 5 IP20 with falling dirt protection only 6 IP20 with glandplate cable entry only Fourth digit Operator Station 0 No Operator Station (not available for Types 7-10) 1 Built-in Operator Station
5	XX	Two characters specifying the user interface language. These characters are the same as used for computer keyboard specifications: UK English (50Hz) FR French (50Hz) GR German (50Hz) SP Spanish (50Hz) US English (60Hz) P5 P Language (50Hz) P6 P Language (60Hz)

Block No.	Variable	Description
6	XXX	Three characters specifying any feedback option installed over and above the standard features of the product: 000 No additional option fitted ENW Encoder (Wire-ended)
7	XXXX	Four characters specifying the communications protocol and its hardware implementation method: 0000 No Technology Option fitted EI00 EI ASCII/Bisync with hardware implementation 1 (RS485/422) PROF Profibus protocol LINK LINK protocol
8	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.
9	XXX	Three characters specifying the auxiliary mains power supply for Inverter sizes 8, 9 & 10. Always 000 for Inverter sizes 4, 5 & 6. 000 No auxiliary supply required
10	XXX	3 digits specifying engineering special options: 000 No special option

Functional Overview

Power Board

DC link capacitors smooth the dc voltage output prior to the Inverter power stage. The IGBT (Insulated Gate Bi-polar Transistor) output stage converts the dc input to a three phase output used to drive the motor.

Control Board

Processor

The processor provides for a range of analog and digital inputs and outputs, together with their reference supplies. For further details refer to Chapter 11: “Technical Specifications” - Control Terminals.

DEFAULT

The I/O configuration switches (SW1 & SW2) on the control board can be seen through the outer casing of the 584SV Inverter when the blank cover, the Operator Station, or the Technology Option is removed. These switches configure the analog i/o terminals. Refer to Chapter 6: “Programming Your Application” - ANALOG INPUT and ANALOG OUTPUT.

Technology Option Interface

This is a multi-way connector and processor bus with control signals allowing various Technology Options to be fitted to the 584SV Inverter.

Operator Station Interface

This is a non-isolated RS232 serial link for communication with the Operator Station. Alternatively, a PC running Eurotherm Drives’ “ConfigEd Lite” Windows-based configuration software (or some other suitable PC programming tool) can be used to graphically program and configure the 584SV Inverter.