

AC DRIVES

605 0.75 to 15kW



- High torque sensorless vector performance
- Function Block Programming
- CE Marked and EMC compliant with internal filters
- Fieldbus protocol interfaces
- Intelligent Power Module (IPM) technology
- Single or three phase supply compatibility
- Parameter Cloning

User Facilities

- Sensorless vector autotune
- Internal serial communication 'Technology Box'
- Standard user application macros
- Linear or 'S' ramps
- Raise/lower ramp (digital MOP)
- Ramp/coast/injection selectable braking modes
- Selectable dual process ramps and program stop
- Selectable switching frequency (with quiet pattern algorithm)
- Local/remote select
- 8 - pre set speeds
- 4 - skip frequencies
- Internal brake switch
- Jog input
- Process PID control
- Spinning load 'flycatching' controlled start
- Selectable auto restart after trip
- Slip and underlap compensation
- Fast connection spring loaded control terminals
- Configurable inputs/outputs with function block programming
 - 2 analogue inputs
 - 1 analogue output
 - 5 digital inputs
 - 2 digital outputs

TECHNICAL SPECIFICATION

Power Supply – 220-240V ±10% single or three phase and 380-460V±10% Three phase, 50-60Hz ±5%
Ambient – 0-45°C, (40°C with NEMA 1 cover fitted) up to 1000m ASL without derating
Overload – 200% for 0.5 seconds, 150% for 60 seconds
Output Frequency – 0-480Hz
Environmental Protection – IP20-(NEMA 1 with optional cover)
6051 – IP65 when mounted with 6052 bezel

FEATURES

6051 Programming/Control Module

- Detachable for 605 or front control panel mounting
- 32 character multi-lingual display
- Wide viewing angle back lit LCD
- Easy to use menu structure programming
- Local control of speed, forward/reverse, run/stop and jog
- Selectable first-up meter reading
- LED status indication
- Password and function lock-out security
- Parameter Cloning



AC DRIVES

Single Phase Controllers (230V Nominal)

Type	Nominal Power (kW)	Output Current (A)	Package size	Prices (£)	
				With Internal Filter	Without Filter
605/007/230/1	0.75	4.0	A	298	273
605/015/230/1	1.5	7.0	A	338	308
605/022/230/1	2.2	10.5	B	412	375

Three Phase Controllers (400V Nominal)

Type	Constant Torque Rating with 150% Overload for 60s		Quadratic 'Fan Law' Torque Rating with 110% Overload for 10s		Package Size	Prices (£)	
	Nominal Power (kW)	Output Current A	Nominal Power (kW)	Output Current A		With Internal Filter	Without Filter
605/007/400/3	0.75	2.5	-	-	B	420	395
605/015/400/3	1.5	4.5	-	-	B	475	445
605/022/400/3	2.2	5.5	-	-	B	515	478
605/040/400/3	4.0	9.5	-	-	B	598	558
605/0055/400	5.5	12	7.5	16	C	Ext	795
605/0075/400	7.5	16	11	23	C	Ext	940
605/0110/400	11	23	15	31	C	Ext	1290

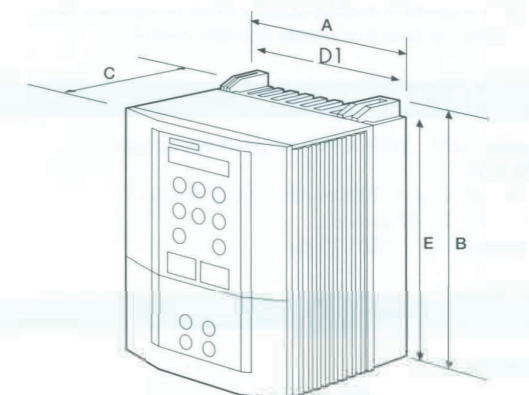
Three Phase Controllers (230V Nominal)

605/007/230/3	0.75	4.0	-	-	A	298	273
605/015/230/3	1.5	7.0	-	-	A	338	308
605/022/230/3	2.2	10.5	-	-	B	412	375
605/040/230/3	4.0	16.5	-	-	B	520	480

Options

	Prices (£)
6051 Programming/Control Module	54
6052 Remote Mounting Bezel and 3m Lead	28
Communications Option	
(Refer to local Euratherm Drives Sales Office for list of available protocols and prices)	
CZ389853 Brake Resistor (100W)	13
CZ463068 Brake Resistor (200W)	46
ConfigEd Lite 'windows' graphical configuration software	68

Full range of optional EMC filters and line chokes see pages 60/61.
 Brake resistor details see page 59.



D2 Lower Mounting Centres

Dimensions

Package Type	A	B	C	D1	D2	E	Weight (Kg)
A	155	198	154.5	109	114	173.5	3.0
B	177	233	181	129	129	223	4.3
C	201	365	208	150	150	335	8.8

STANDARDS

CE marked
 EN50081-1 (1992) (EMC emissions, light industrial with filter fitted and drive mounted in suitable metal enclosure)
 pr EN50082-2 (1992) (EMC immunity, heavy industrial)
 VDE 0160 (1994)/pr EN50178 (1995) (safety, low voltage directive)
 UL listed to US and Canadian safety standards