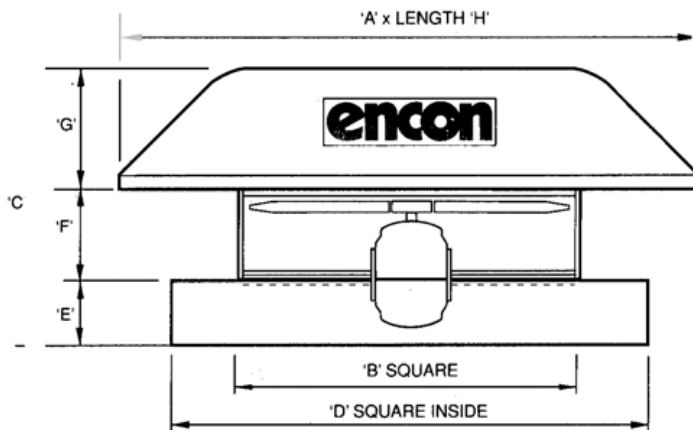


Frequently selected for industrial and commercial ventilation systems the low profile universal extract fans are quiet and powerful offering a wide variety of efficient and rapid extraction of air, Particularly suited for wall mounting the units can be sited in any roof or wall from the horizontal to the vertical.

Standard Unit Data Sizes 50 UN and 75 UN



MODEL	50 UN	75 UN
A.	980	1240
B.	560	810
C.	450	580
D.	800	1000
E.	75	75
F.	215	300
G.	190	205
H.	775	1035

Model	rpm	Max permissible current (Amp)		Output Kw	Max vol flow rate m ³ /s	Noise level dB (A)	Approx. weight Kg
		220-240v	380-415v				
50 UN-9/14-3 ...	960	—	0.95	0.25	1.45	55	32
	1400	—	1.80	0.75	2.30	71	
50 UN-7/9-3 ...	720	—	0.75	0.12	1.18	49	32
	960	—	1.00	0.25	1.45	55	
50 UN-14-1 ...	1380	1.20	—	0.24	1.50	69	33
50 UN-9-1 ...	950	2.97	—	0.72	1.03	59	32
75 UN-7/9-3 ...	700	—	1.85	0.45	3.40	62	46
	920	—	3.00	1.10	4.60	67	

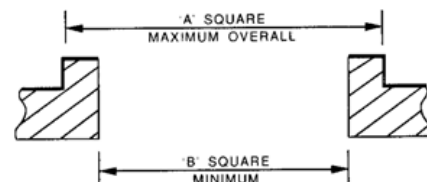
Unit Code

50 - UN - 9 / 14 - 3 ... TD

1 2 3 4 5

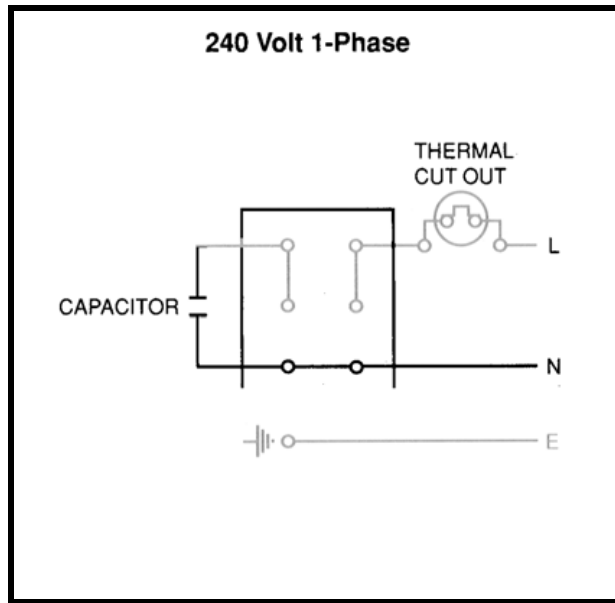
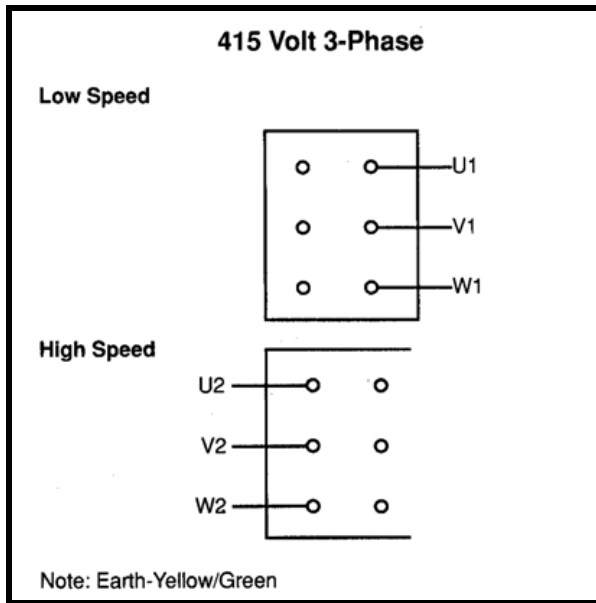
- 1 IMPELLER DIA. IN CM.
- 2 UN-UNIVERSAL EXTRACT UNIT
- 3 SPEED REF/MOTOR POLES
 - 14 = 1400 r./min. 50Hz
 - 9 = 900 r./min. 50Hz
 - 7 = 700 r./min. 50Hz
- 4 3 = THREE PHASE
1 = SINGLE (mono) PHASE
- 5 BASE CONFIGURATION - TD - TURNDOWN BASE
FB - FLAT BASE

Upstand Dimensions



Model	A.	B.
50UN	790	560
75UN	990	860

WIRING DIAGRAMS



UNIVERSAL LOW PROFILE EXTRACT UNIT

— Developed with aesthetic appeal to suit a variety of industrial and commercial uses the unit, with its exceptionally low profile cowl can be fitted with low speed motors for quiet applications.

Frequently selected for industrial and commercial ventilation systems the low profile universal extract fans are quiet and powerful offering a wide variety of efficient and rapid extraction of air, Particularly suited for wall mounting the units can be sited in any roof or wall from the horizontal to the vertical.

UNIT AND COMPONENT SPECIFICATION

The use of high quality reliably proven components ensure total weather protection under normal weather and mounting conditions resulting many years of trouble free operation.

IMPELLERS

— Multi bladed glassfibre reinforced polypropylene aerofoil section blades are mounted within a cast aluminium alloy hub assembled, matched balanced and tested to BS848 to provide optimum performance and noise characteristics.

WEATHER COWL AND BASE ASSEMBLY

— Manufactured from GRP the cowl provides a lightweight strong high performance profile ensuring efficient and rapid extraction whilst offering total weather protection.

— Long life resistance to atmospheric corrosion each unit is complete with multi blade air operated gravity shutters housed and pivoting within nylon bearings. When the fan is not in use the shutters close to reduce draughts and heat loss.

Manufactured in GRP the base unit can be supplied with either a turndown base for upstand mounting or with a flat base for fitting directly to the roofing structure. Typical/specific fixing details available on request.

ELECTRIC MOTORS

— Encon Fan Powered Ventilation equipment is fitted with motors having sealed bearings Lubricated for life to provide quiet operation in any shaft position virtually eliminating the need for motor maintenance.

— 3 Phase 415 volt 50Hz. These are British made dual wound two speed motors built and tested to comply with IEC 34-1, BS5000 Parts 10 and 99 including relevant parts of BS4999. Aluminium enclosures and IP55 rated,

insulation class F with Class B temperature rise motors are complete with 1 metre trading leads covered in a flexible woven polyester mesh sleeving.

— 240 volt single phase 50 Hz. European made asynchronous induction motors with squirrel cage rotor dynamically balanced to ISO 1940 standard in a die cast aluminium enclosures rated to IP55. The standard versions includes motor terminal box with motor thermal protection. Connection of the supply directly through the protection circuit for disconnection of the motor at any sign of potential problems and subsequent automatic reconnection,

— Motors can also be supplied to suit various voltages and the widest range of climatic and hostile conditions including high temperature and increased safety applications.

STARTERS

— Single and two speed starters can be supplied manufactured to comply with BS4941 and IEC 292 with enclosures rated to IP55 dust and hoseproof. They incorporate triple pole heavy duty contractors and thermal overload relays, Alternatively purpose built centralised control panels can be manufactured to suit varying applications.

INSTALLATION

— Low profile universal extract fans are suitable for mounting on any flat or sloping roof from horizontal to the vertical. To ensure reliable operation installation and maintenance should be earned out by an approved installer.

COLOURS

— Units are supplied standard house colour to BS4800 00-A-05 Grey Other colours are readily available to BS or RAL range of colours.

SOAKER SHEETS

— Glass reinforced polyester soaker sheets are custom made to match virtually any profile. We hold a standard range of upstand moulds to suit our ventilation units. Soaker sheets are also suitable for such diverse uses as windows, roof lights, escape and access hatches, domes and pressure relief. We are happy to give advice on both standard and non-standard uses for this remarkably adaptable product.

The soaker sheet range is available in standard and bespoke shapes and sizes. They can incorporate coloured resins from standard RAL and BS ranges.