

VENT-AXIA MAN COOLER (MC)



- ✓ Motors protected to **IP65**.
- ✓ Motor Insulation Class 'F'.
- ✓ Maximum operating temperature 70°C.
- ✓ **Standard Thermal Overload Protection.**
- ✓ **IP65 Terminal Box.**
- ✓ Manufacture controlled to **BS EN ISO 9001.**
- ✓ Service isolator fitted.
- ✓ Can be speed controlled.
- ✓ **2 Year Guarantee.**

MAN COOLER

Man Coolers are available in three sizes and are based on an integrated axial impeller and internal rotor motor design which produces a compact unit.

Fully portable, Man Coolers feature an adjustable head which can tilt for maximum air movement effect. The robust frame provides excellent stability.

The fans incorporate specially designed bellmouth inlets and finger guards which provide protection to International Standards.

Lightweight and shorter than most similar fans, the casing is constructed from rolled steel plate, electro welded and protected with a tough epoxy paint finish. Fan outputs are tested to **AMCA standard 210.**

IMPELLERS

Impellers are moulded in glass filled polyamide for resistance to outdoor conditions and abrasive airflow.

LONG LIFE MOTORS

The internal rotor motors are specifically designed and styled for this range of fans. The ball bearings are greased for life and allow the fan to be installed at any angle. Rotors are dynamically balanced to **ISO 1940.** **Motors are protected to IP65 against dust and water jets complying with BS EN 60529.** They have ribbed aluminium body castings for efficient cooling. Motor insulation is **Class 'F'** (from -40°C to +70°C).

ELECTRICAL

Sizes 315, 400 and 630 available in single phase 220-240V 50 Hz, 315, 400 also available in 110V 50Hz. Capacitor start and run. A terminal Box is supplied with all models with cable gland and On/Off switch to **IP65.**

Capacitors are located in the terminal box. All motors are fitted with **Standard Thermal Overload Protection (S.T.O.P).**

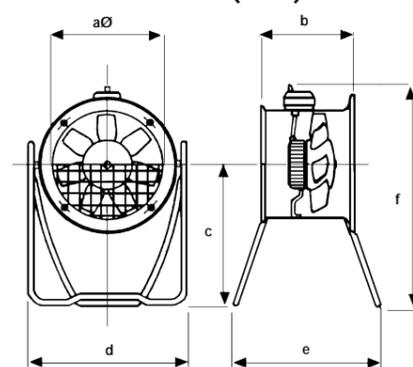
TERMINAL BOX

To **IP65**, protected against dust and water jets from any angle allowing outside application.

SOUND LEVELS

Published figures are free field sound pressure levels at 3m with spherical propagation at a reference level of 2×10^{-5} Pa.

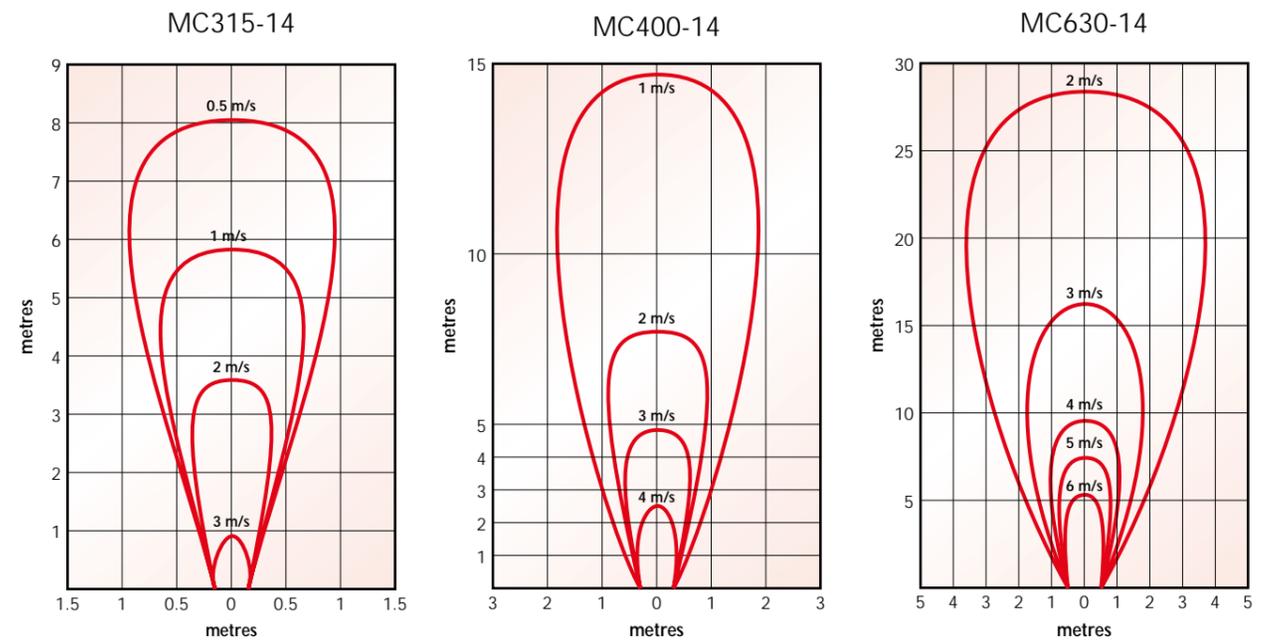
DIMENSIONS (mm)



Dia.	aØ	b	c	d	e	f	kg
315	315	211	400	439	470	642	13.5
400	400	227	557	600	560	841	36.5
630	630	307	750	890	840	1149	91

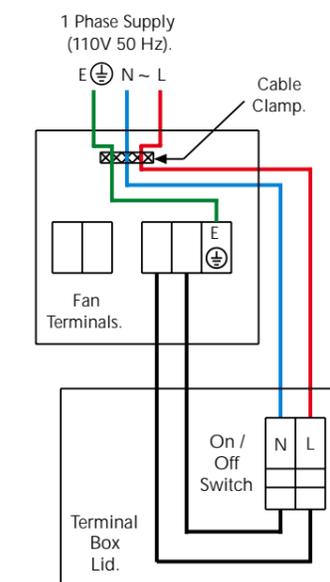
Diameter	50Hz			Motor kW (max)	Full load current (max)	dBA @ 3m	Electronic controller Stock Ref. No.	Auto transformer Stock Ref. No.
	Motor	Stock Ref. No.	m ³ /h @ F.I.D.					
315	240V-1ph	MC315-14	2250	0.14	0.7	54	W103 03 102M	103 14 103
400	240V-1ph	MC400-14	5200	0.31	1.5	60	W103 03 102M	103 14 103
630	240V-1ph	MC630-14	16450	1.80	8.5	74	103 03 110A	103 14 113
315	110V-1ph	MC315-14A	2250	0.10	1.1	48	-	-
400	110V-1ph	MC400-14A	5200	0.25	2.7	54	-	-

MAN COOLER PERFORMANCE CURVES



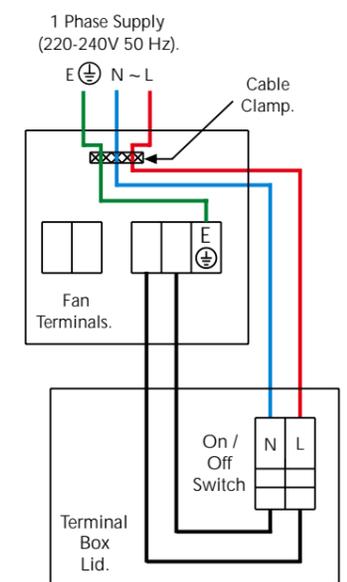
WIRING DIAGRAMS

SINGLE PHASE MAN COOLER 110 VOLT 50Hz SUPPLY



MC 315-14A
MC 400-14A

SINGLE PHASE MAN COOLER 220-240 VOLT 50Hz SUPPLY



MC 315-14
MC 400-14
MC 630-14