

## Approvals:



2yr Guarantee



## Key features

Type: Air circulation

Application: Commercial/Industrial

## The range

With more unpredictable fluctuations in our weather the need for temporary solutions to deal with temperature extremes has never been more relevant. Xpelair portable SuperBlowers and ManCoolers are an ideal spot cooling solution. The SuperBlower and ManCooler ranges of commercial and industrial air coolers are ideal for use in areas such as factory assembly lines, steelworks, factory moulding areas, hospitality marquees, and general movement applications in large areas. The range has also been designed to be used for drying outbuildings and equipment after flood damage. Xpelair SuperBlowers and ManCoolers can fulfil a wide range of duties in industry and the public sector. An effective and reliable answer where even large quantities of air are required quickly, the SuperBlower and ManCooler ranges comes complete with their own robust stand and are easy and quick to set up. The adjust-and-lock head allows the units to be tilted for maximum benefit. For building site requirements the SuperBlower is available in 110V. For more permanent applications, or where floor space is at a premium the Xpelair Trapeze model is ideal for suspension at high level. Trapeze units are also ideal for reaching unventilated corners of otherwise still air on large sites.

## Models

- SuperBlower • SB1 240V Ref. 90171AA • SB1 110V Ref. 91224AA • Portable industrial blower • Fitted with adjustable pitch impeller set at highest pitch angle for maximum • cooling velocity • Angle of discharge can be adjusted by 55°
- and locked in position for maximum benefit • Galvanised steel heavy duty tubular frame • Galvanised steel heavy duty casing • Heavy duty isolator • Robust impeller • Continuously rated, totally enclosed motor;
- Class F insulation, rated at IPX5 • Heavy duty welded terminal box with integral switch • Suitable for ambient temperatures up to 40°C • ManCooler • MC350 Ref. 91408AA • MC400 Ref. 91409AA • MC450 Ref. 91410AA • MC560 Ref. 91411AA • Portable commercial cooling fans in four sizes • Powder coated fan housing • Angle adjustable and lock • Tubular steel frame • Safety finger guards to DIN 24167
- (UNE 20-359-74) fitted inlet and outlet • Continuously rated totally enclosed
- maintenance free motor with sealed for life bearings • IPX5 connection box with On/Off switch • Suitable for ambient temperatures up to 40°C • Supply voltage: 220-240V 50Hz
- Trapeze • TP450 Ref. 91412AA • Suspended air circulation unit • 460mm fan diameter • For horizontal or vertical suspension • The distance of the fan to the floor should be no less than 2700mm • Stainless steel construction • Continuously rated totally enclosed
- maintenance free motor with sealed for life • bearings IPX5 • IPX6 connection box • Four suspension eyes • Suitable for ambient temperature up to 40°C • Supply voltage: 220-240V 50Hz

## Technical specification

The unit is to be supplied from the Xpelair Superblower range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ. Tel. +44 (0)1733 456789 Model / Ref

SuperBlower SB1240V90171AASB1110V91224AAManCooler MC350 / 91408AA

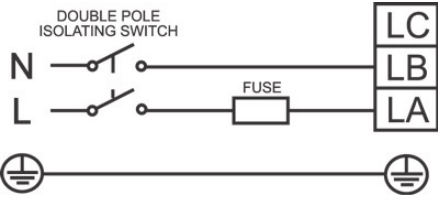
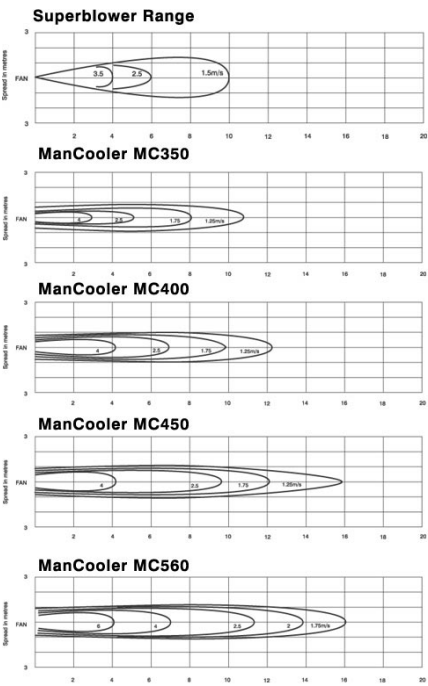
MC40091409AAMC450 / 91410AA

MC56091411AATrapeze TP450 / 91412AA • The floor standing units shall be supplied complete with robust tubular stand for fast set up on site • The casing shall be adjustable and capable of being locked at the desired angle of operation • The motor shall be totally enclosed with maintenance free sealed for life bearings and safety thermal overload protection • The impeller shall comprise of a central hub with fully adjustable high performance blades • Finger guards to DIN24167 (UNE 20-359-74) shall be fitted to each end of the casing with bolted fixings • The terminal box shall be no less than IP55 and in the case of SB1 of galvanised steel construction welded to the casing • The Trapeze model shall additionally be available for suspension at high level using four steel suspension eyes provided

## Product variations

	TP450	MC560	MC450	MC400	MC350	SB1 110V	SB1 240V
Reference number	91412AA	91411AA	91410AA	91409AA	91408AA	91224AA	90171AA
Fan diameter (mm)	460	560	460	410	355	400	400
Extract performance (FID, m³/s)	1.44	3.06	1.97	1.42	0.86	1.25	1.25
Nominal fan speed (rpm)	950	1375	1375	1450	1440	1420	1420
Sound pressure level (dB(A)@3m)	57	72	68	64	59	53	53
Voltage (V)	230	230	230	230	230	110	240
Electrical power rating (W)	250	550	370	250	120	300	300
Electrical current FLC (A)	1.50	4.40	3.10	1.90	0.67	2.73	1.30
Weight (kg)	14	27	22	19	12	32	32
Guarantee (years, UK)	1	1	1	1	1	1	1

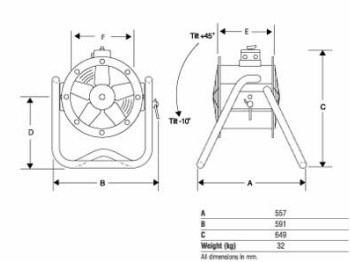
MC350:



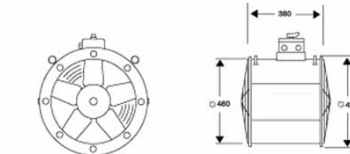
Wiring:

Performance:

Superblower and Mancooler



Trapeze



**Dimensions (mm)**

Model	A	B	C	D	E	F
SB1	557	591	649			
MC350	415	489	736	420	230	355
MC400	450	596	775	481	320	410
MC450	453	596	795	481	360	460
MC560	522	726	945	594	400	560

Dimensions: