

MANCOOLER

SERIES LMC

INTRODUCTION

Portable cooling fans or 'Mancoolers' as they are often referred to, were developed primarily for point cooling of persons and machinery in industrial environments where no or very little ventilation exists. The LUFT range of LMC Mancoolers discharge large volumes of air at high velocities over substantial distances.

APPLICATION

The name "Mancooler" clearly describes what this type of fan's use is intended for. The fan is almost always positioned close to the persons or equipment requiring cooling. The most common use for this type of fan is in enclosed areas where there is no ventilation or in areas in which may require temporary cooling for persons working in extreme non ventilated very hot conditions.

CONSTRUCTION

The standard sizes of this portable cooling fan are manufactured in four, fully adjustable fan diameters, ranging from 400mm to 630mm. Non standard diameters with non standard motors are available on request. The fan casing comes complete with both



inlet and discharge epoxy coated guards, to prevent heavy air borne particles going through the unit. They further protect the user from accidental contact with the rotating impeller whilst the fan is running. An IP55 rated external terminal box is fixed to the fan casing to simplify the electrical connection to the fan motor. A starter or isolator with a requested length of PVC cable, can also be fitted onto the external fan casing on request. The complete fan

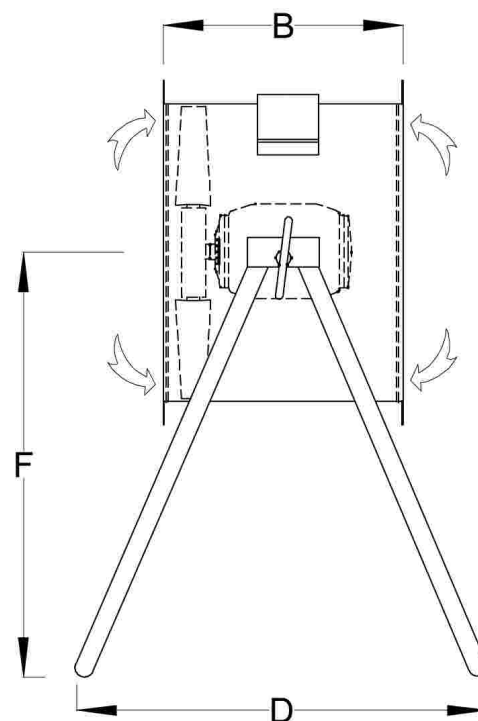
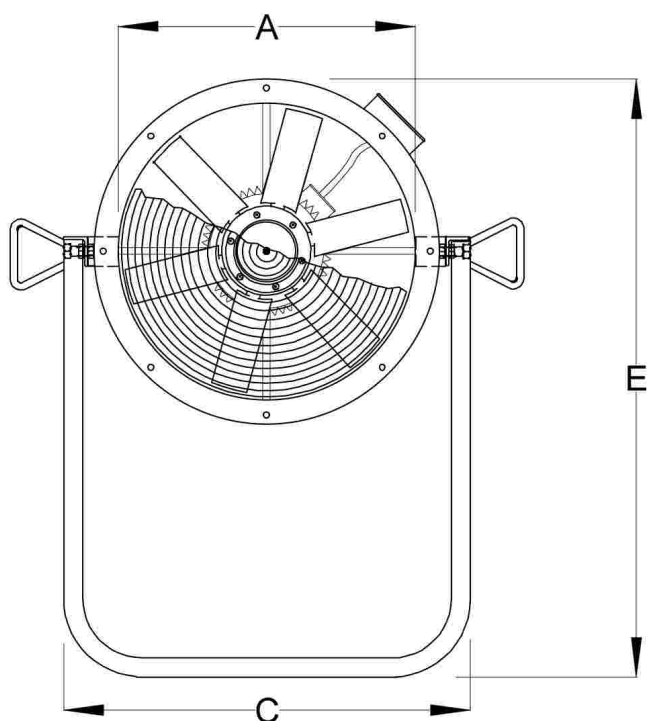
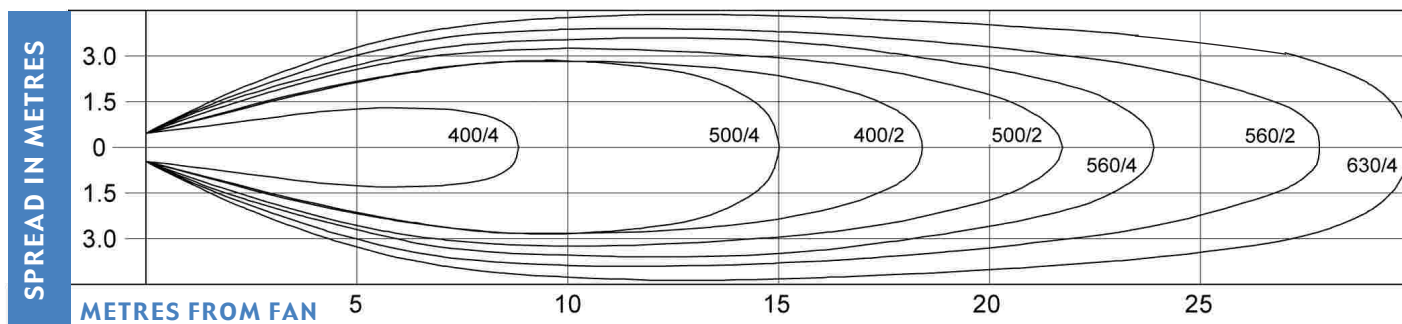
assembly is mounted onto a robust steel pedestal. The fan unit can be tilted and secured through the vertical plain to enable the adjusting of the airflow in this direction. The complete unit is hot dip galvanized after manufacture to prevent premature rusting, on most site conditions.

MOTOR

The standard IP55 motors can be supplied in various voltages and speeds. External starters with overload protection as well as special motors including cast iron, can be fitted to the units on request.

TECHNICAL DATA

FAN CODE	Rpm	kW	Hub	Blades	Angle	M ³ /sec	dB(A)	Kg
LMC400/4	1440	0.37	165	6	30	1.2	66	41
LMC400/2	2880	1.50	165	6	30	2.5	80	44
LMC500/4	1440	0.75	165A	6	35	2.7	75	46
LMC500/2	2880	2.20	165	6	18	3.5	87	49
LMC560/4	1440	1.10	165	6	30	3.5	77	52
LMC560/2	2880	3.00	165	6	15	4.5	90	58
LMC630/4	1440	2.20	165	6	33	5.5	80	68



DIMENSIONS mm

FAN CODE	A	B	C	D	E	F
LMC400	400	400	574	725	1000	750
LMC500	500	400	674	725	1050	750
LMC560	560	400	734	725	1080	750
LMC630	630	550	804	725	1115	750



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