

Mancooler Fans

Product datasheet



Mobile Mancooler



Wall Mount Mancooler



Ceiling Mount Mancooler



Mini Mancooler

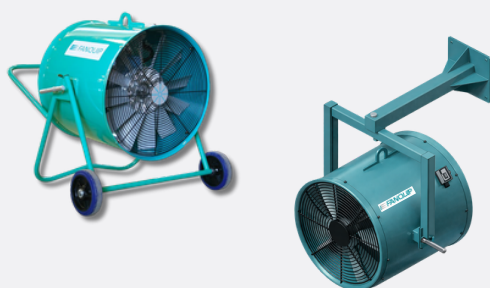
Mancooler Fans

The Fanquip Mancooler fans are an extra heavy-duty axial fans designed for demanding industrial air movement applications. The range includes Mini Mancooler, Mobile Mancooler and fixed Wall or Ceiling mounted configurations, allowing solutions to be tailored to different site requirements, layouts and applications. Well suited for cooling, confined space ventilation and to extract contaminated air such as dust, steam, heat or explosive gases.

Mancooler fans are available using adjustable pitch GRP (Glassfiber Reinforced Polypropylene) or cast aluminium airfoil impellers. The casing is fully welded steel construction with an inlet and outlet flare, finished with an industrial polyester powder coat. The frame is tubular or RHS steel and fitted with pivot bolts and locking nuts on each side to allow the drum to be rotated 360° for flexible air discharge direction. The units are fitted with single-phase 240V or three-phase 415V heavy-duty motors of rugged construction, which incorporate sealed ball bearings to reduce operating noise.

There is a comprehensive range available with fan diameters ranging from 300mm to 1000mm.

Key features.



- ✓ Premium powder-coated steel casing
- ✓ Inlet and outlet finger guards
- ✓ IP55 Motor
- ✓ GRP adjustable pitch blades
- ✓ Isolating switch
- ✓ 5m lead & 3 pin plug (415V models exclude plug)
- ✓ Adjustable discharge direction
- ✓ Top mount lifting hook

Applications.

Mancooler fans have an extensive range of applications.

Installation locations.

- ✓ Agriculture
- ✓ Building and Construction
- ✓ Food Processing
- ✓ Smelters and Refineries
- ✓ Manufacturing
- ✓ Mining & Metals
- ✓ Oil and Gas
- ✓ Warehouse

Cooling applications.

- ✓ Personnel or machine cooling
- ✓ Confined space ventilation
- ✓ Extraction of fumes, dust, steam or smoke



Options.

- Aluminium or stainless steel casings
- Hot dip galvanised finish
- Aluminium adjustable pitch blades
- Hazardous location rated – Exe, Exd, ExnA, Extd
- IP56 or IP66 motor
- Compressed air powered
- Corporate colours and labeled
- Wall/ceiling mounting bracket

Technical advice.

Fanquip have technical consultants to provide guidance on the specifications required to suit your Mancooler Fan use and application.

Installation & maintenance.

The necessary procedures are outlined in the Fanquip installation, operation and maintenance instructions. These should be followed to ensure satisfactory performance and service life.

Warranty.

Twelve-month guarantee on the mechanical and electrical componentry subject to satisfactory maintenance with assessment and rectification, if any, to take place after return by the customer to Fanquip's workshop. Extended warranty options available on request.

Mobile Mancooler Fan.



 **FANQUIP**

Mobile Mancooler Fan.



Product specifications.

Model no.	Fan diameter (mm)	Motor speed (RPM)	Motor power (kW)	Voltage (V)	Full load amps (A)	Free air volume (L/S)	Noise* (dBA@3m)	Weight (kg)
1-40241	400	1440	0.55	240	3.60	1500	52	36
1-40243	400	1440	0.55	415	1.60	1500	52	36
1-40481	400	2880	1.10	240	6.20	2150	74	36
1-40483	400	2880	1.10	415	2.40	2150	74	36
1-50241	500	1440	0.75	240	4.50	2450	63	62
1-50243	500	1440	0.75	415	1.90	2450	63	62
1-60241	600	1440	1.50	240	8.70	4400	68	75
1-60243	600	1440	1.50	415	3.40	4400	68	75
1-61241	600	1440	2.20	240	12.10	5800	72	75
1-61243	600	1440	3.00	415	6.30	6600	72	75
1-80161	800	960	1.50	240	3.30	7000	66	110
1-80163	800	960	1.50	415	3.70	7000	66	110
1-80241	800	1440	2.20	240	12.10	8000	74	110
1-80243	800	1440	3.00	415	6.30	9000	74	110
1-10123	1000	720	3.00	415	7.80	12000	63	168
1-10163	1000	960	5.50	415	12.40	17000	78	168

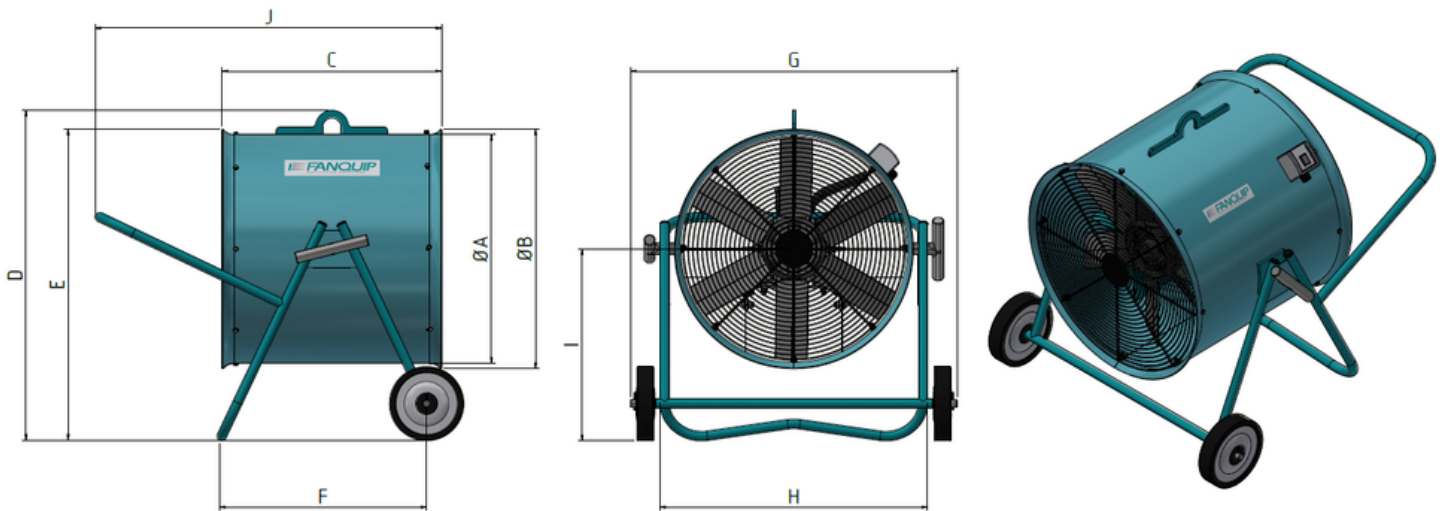
*Add W to the model number for Wall Mount.

*Add CM to the model number for Ceiling Mount.

*Noise level is free to field and indicative and should only be used to indicate relative values as actual figures depend on the fan and relevant field conditions.

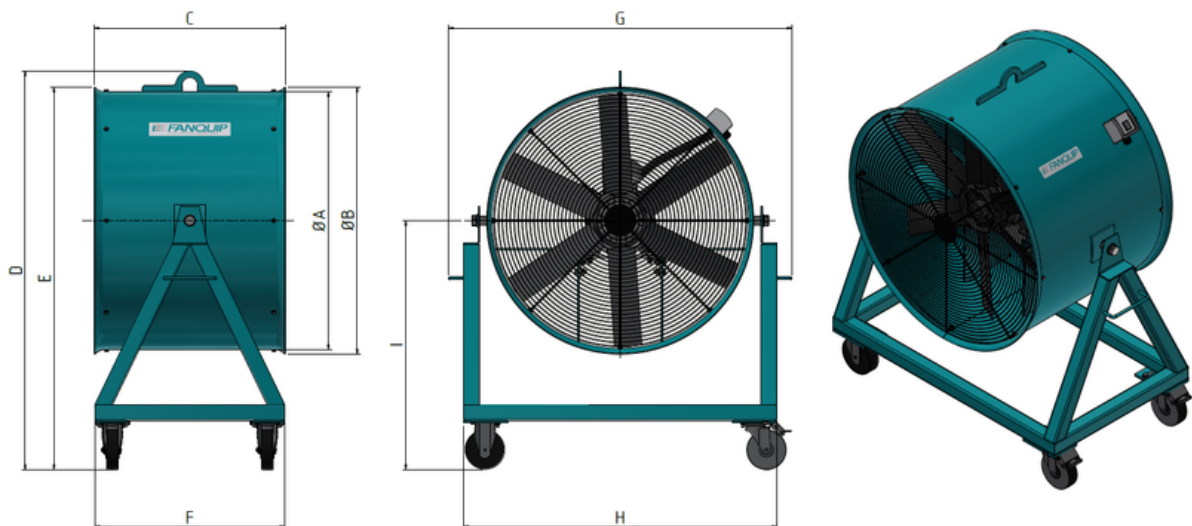
Mobile Mancooler Fan.

FANQUIP



Product dimensions.

Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)
500	510	545	492	843	788	532	875	722	520	886
600	610	645	586	893	842	532	875	722	520	932



Product dimensions.

Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
800	810	845	590	1268	1205	600	1087	990	775
1000	1010	1050	725	1403	1352	750	1297	1200	830

*All sizes shown are standard. Subject to change without notice.

Mini Mancooler Fan.



 **FANQUIP**

Mini Mancooler Fan.

FANQUIP

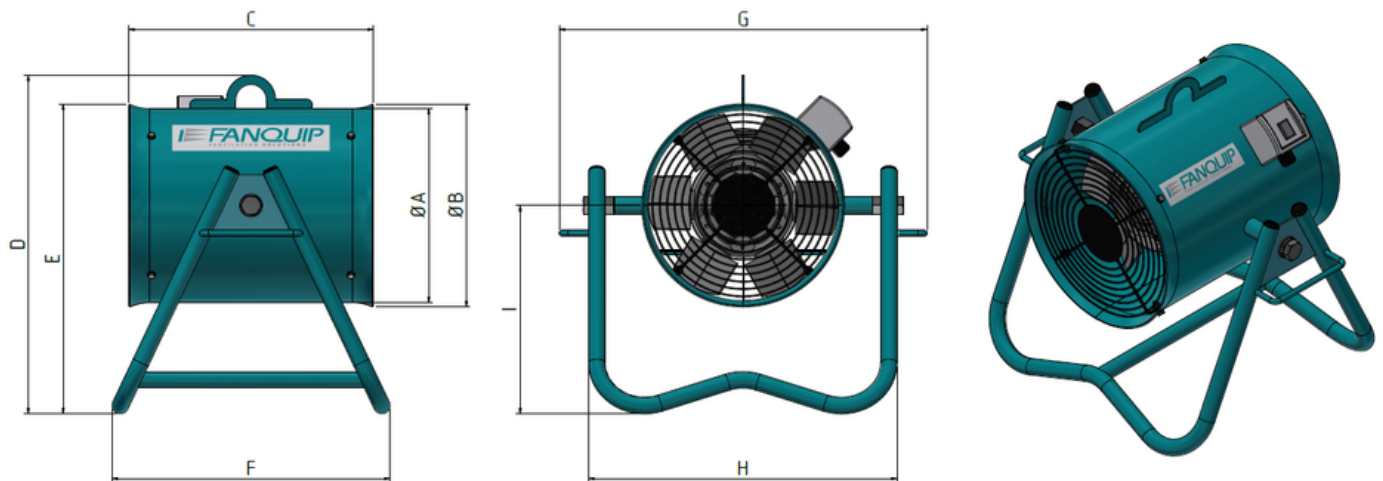
Product specifications.

Model no.	Fan diameter (mm)	Motor speed (RPM)	Motor power (kW)	Voltage (V)	Full load amps (A)	Free air volume (L/S)	Noise* (dBA@3m)	Weight (kg)
1-30241	300	1440	0.37	240	2.40	600	48	23
1-30243	300	1440	0.37	415	1.03	600	48	23
1-30481	300	2880	0.55	240	3.30	1400	64	23
1-30483	300	2880	0.55	415	1.40	1400	64	23
1-41241	400	1440	0.55	240	3.80	1500	60	36
1-41243	400	1440	0.55	415	1.60	1500	60	36
1-41481	400	2880	1.10	240	6.20	2150	74	36
1-41483	400	2880	1.10	415	2.40	2150	74	36

*Add W to the model number for Wall Mount.

*Add CM to the model number for Ceiling Mount.

*Noise level is free to field and indicative and should only be used to indicate relative values as actual figures depend on the fan and relevant field conditions.

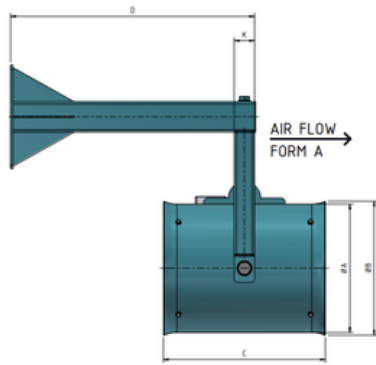


Product dimensions.

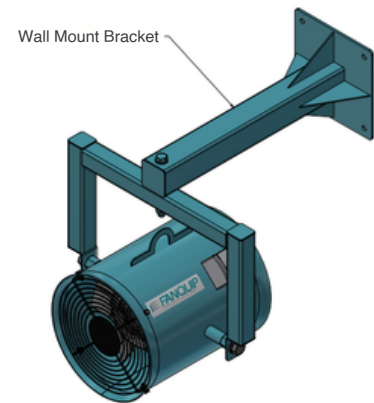
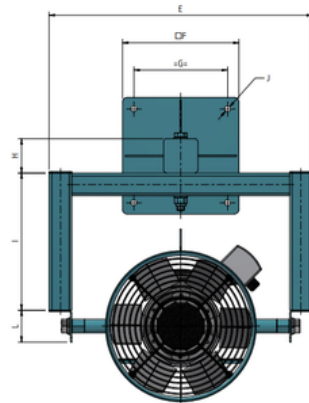
Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
300	310	330	400	533	508	402	597	500	340
400	410	450	500	603	558	402	597	500	340

*All sizes shown are standard. Subject to change without notice.

Wall Mount Mini Mancooler Fan.



Wall Mount Mini Mancooler Fan
Part No. - 211629
Scale - 1:4

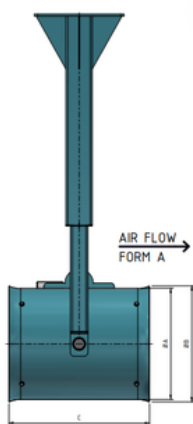


Pictorial View

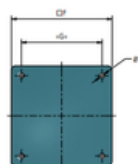
Product dimensions.

Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)
300	310	330	400	600	576	255	205	75	300	13	50	70
400	410	450	500	600	676	255	205	75	300	13	50	70

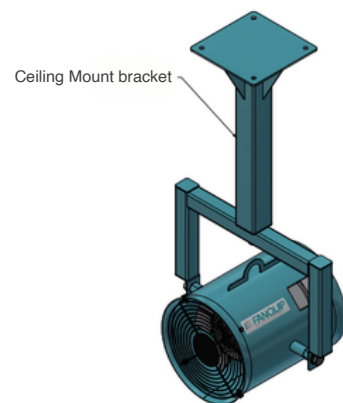
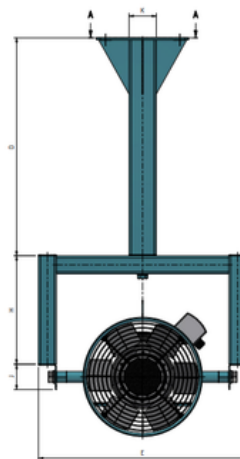
Ceiling Mount Mini Mancooler Fan.



Ceiling Mount Mini Mancooler Fan
Part No. - 211614
Scale - 1:4



Section A-A
Scale 1:4



Pictorial View

Product dimensions.

Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)
300	310	330	400	600	576	255	205	300	13	70	50
400	410	450	500	600	676	255	205	300	13	70	50

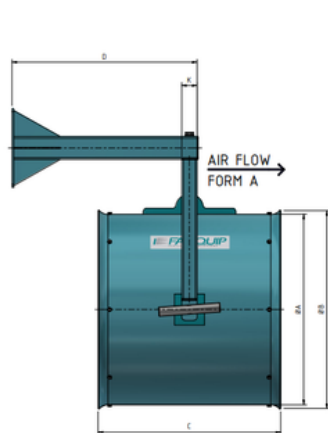
*All sizes shown are standard. Subject to change without notice.

Wall & Ceiling Mount Mancooler Fan.

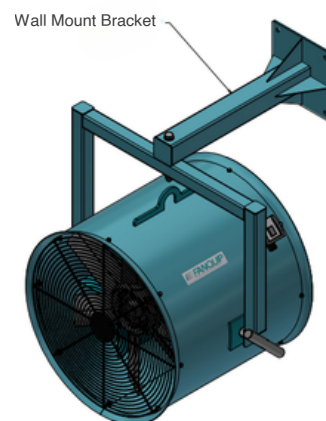
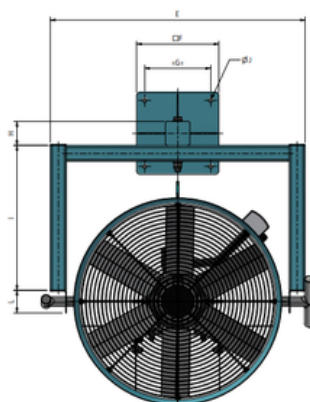


 **FANQUIP**

Wall Mount Mancooler Fan.



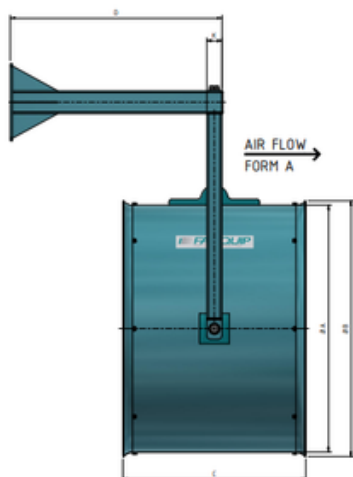
Wall Mount Mancooler Fan
Part No. - 211631
Scale - 1:5



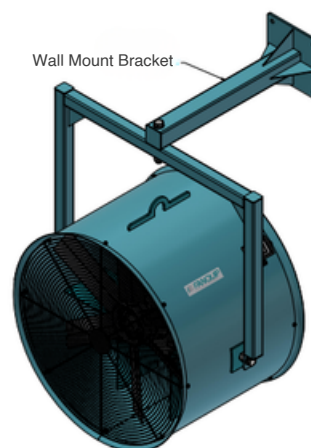
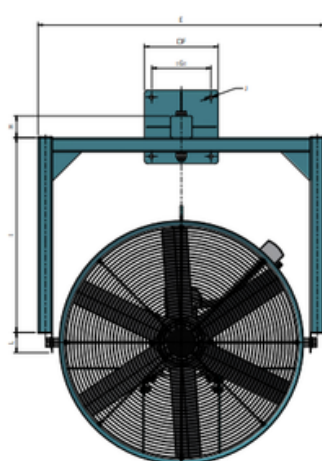
Pictorial View

Product dimensions.

Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)
500	510	545	492	600	690	255	205	75	450	13	50	70
600	610	645	586	600	790	255	205	75	450	13	50	70



Wall Mount Mancooler Fan
Part No. - 211632
Scale - 1:5



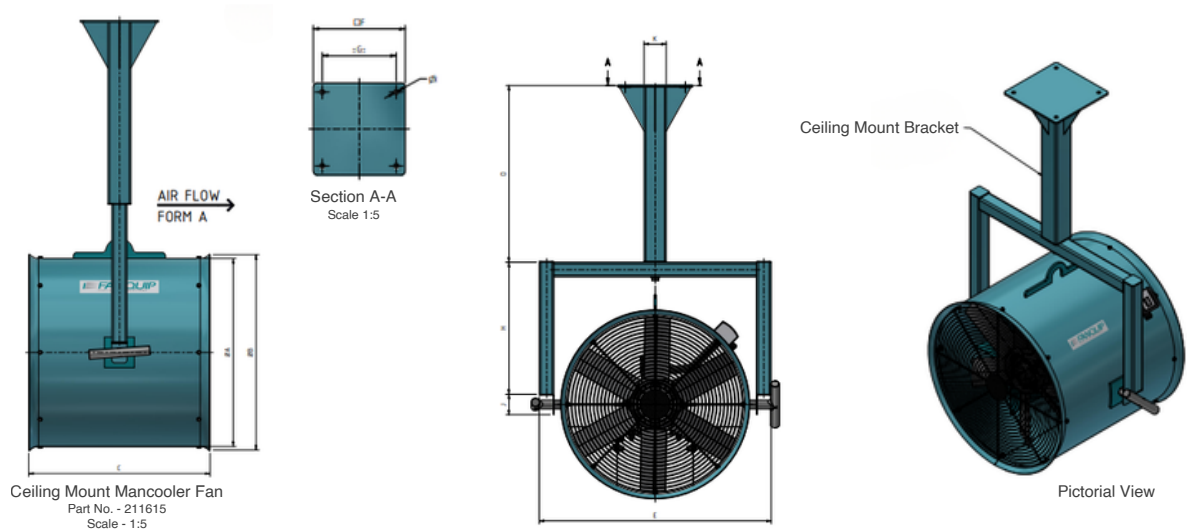
Pictorial View

Product dimensions.

Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)
800	810	845	590	700	990	255	205	75	675	15	50	70
1000	1010	1050	725	700	1190	255	205	75	675	15	50	70

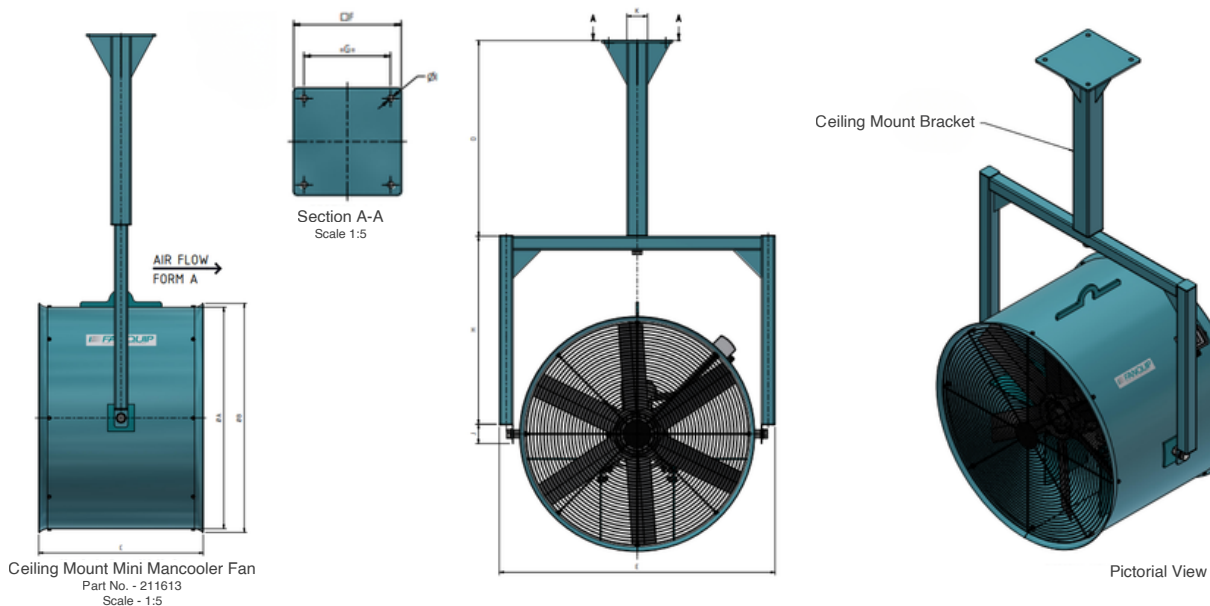
*All sizes shown are standard. Subject to change without notice.

Ceiling Mount Mancooler Fan.



Product dimensions.

Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)
500	510	545	492	600	690	255	205	450	13	70	75
600	610	645	586	600	790	255	205	450	13	70	75

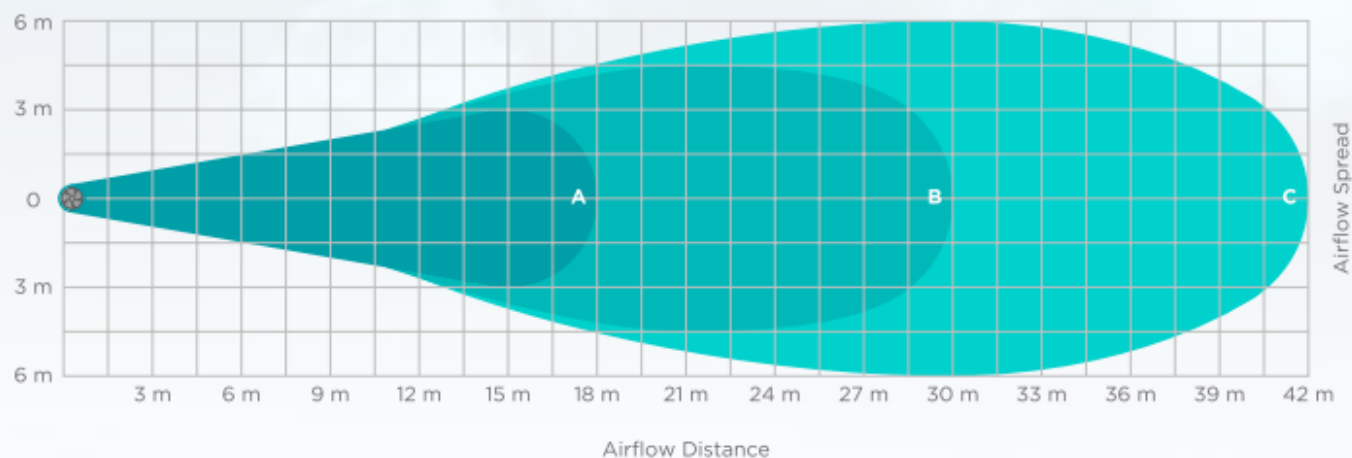


Product dimensions.

Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)
800	810	845	590	700	990	255	205	675	15	70	75
1000	1010	1050	725	700	1190	255	205	675	15	70	75

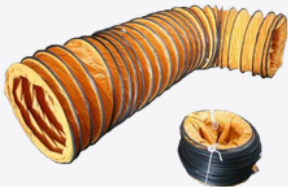
*All sizes shown are standard. Subject to change without notice.

Mancoolers - Airflow table.



Darker shaded areas indicate higher air velocities

MODEL No.	Air Velocity (m/s)		
	A	B	C
1-30241/3	2	1	1
1-30481/3	5	3	2
1-41241/3	3	2	1
1-41481/3	5	3	2
1-40241/3	3	2	1
1-40481/3	5	3	2
1-50241/3	3	2	2
1-60241/3	4	2	2
1-61241/3	5	3	2
1-80161/3	3	2	2
1-80241/3	4	3	2
1-10123	3	2	2
1-10163	5	3	2

Accessory	Specifications
Flexible ducting 	✓ Heavy duty ducting suitable for both supply and extract. Used in factories construction sites or underground. 5m or 10m lengths. 300mm to 1000mm diameter. FRAS (Fire Retardant Anti-Static) option
Layflat ducting 	✓ Economical clear plastic ducting for positive pressure air movement. Supplied in 20kg rolls (can be cut to size). 300mm to 800mm diameter.
Variable Speed Drives 	✓ 3 phase or single phase input. IP20 or IP66 and EMC compliant. User friendly interface.
Hydroblasting Misting Kit 	✓ Provides fine water mist for easy evaporation and fast cooling. ✓ Used for dust suppression, personnel, machinery and livestock cooling.

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