

G 4
Filter 90%

UV WATER
CLEANNING



CE ErP

FRESH MANN PREMIUM

PORTABLE INDUSTRIAL EVAPORATIVE COOLERS -
5,760 to 13,511 m³/h

FRESH MANN portable industrial evaporative coolers are ideal for cooling all types of work areas, event tents, heat sources, etc. in a completely natural way and with low energy consumption...

Its basic operating principle is to suck outside air and pass it through panels moistened with water. Once the air passes through this panel, it cools and its humidity increases. Once this process has been carried out, the air is blown into the interior of the premises to be air-conditioned, reaching pleasant comfort temperatures and an adequate indoor air quality for people.

The FRESH MANN PREMIUM evaporative coolers develop an **air flow rate of 5,760 m³/h to 13,511 m³/h with a pressure available at maximum flow of 100 Pa**. Their cooling capacity is suitable for premises from 70 m² to 250 m²

Its operation is completely ecological because no type of refrigerant gas is used, in addition to requiring 80% less electrical energy compared to conventional air conditioning equipment.

MAIN FEATURES

- Polyamide (PA) water tray and polypropylene (PP) manufactured ceiling
- Corner and central posts made of AISI-304 stainless steel.
- 100mm thick type 5090 cooling panels.
- Suction grilles in galvanized steel with polyester powder paint (INOX version in AISI-304).
- Centrifugal fan group with built-in IP 54 high efficiency Erp 2015 motor.
- SCHAEFFLER CORROTECT anti-corrosion bearings with protective caps
- Maintenance-free GATES QUADPOWER transmission belts.
- EBM APLHA 45/15 water pump with external rotor motor.
- IE3 IP 55 high efficiency electric motor.
- 3/8" water inlet with 10m long 12x18mm hose
- Electrical panel for operation at 1 or variable speed.
- Manual emptying system with 1/2" ball valve.
- Quick half-turn opening system to access the interior of the equipment.
- Mobile base with nylon wheels with brakes.
- Electrical panel with speed regulator. • Air diffusion with front grille or DUO grille (optional). • SWING function.

WHY METMANN? - Why Met Mann? - Why Met Mann?

- We guarantee the exterior polypropylene structure for 10 years and the rest of the elements for 1 year.

10 years guarantee for the exterior polypropylene structure and 1 year for other elements.

We guarantee the exterior polypropylene structure for 10 years and the rest of the components for 1 year.

- We are manufacturers and we can adapt to your needs.

We are manufacturers and we can adapt our products to your needs.

We are manufacturers and we can adapt to your needs.

- Fully personalized technical-commercial advice.

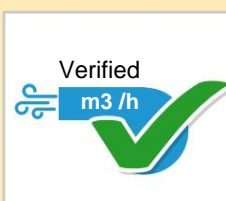
Fully personalized technical and commercial consultation.

Technical-commercial assistance, totally personalized.

- We guarantee the supply of spare parts.

We guarantee the supply of replacement parts.

We guarantee the supply of spare parts.



Flow rates tested by:
Air flows tested by:

LGAI Technological Center

Applus⁺
laboratories



MET MANN
Industrial Climate Solutions

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EVAPORATIVE COOLING EVAPORATIVE COOLING

PORTABLE INDUSTRIAL EVAPORATIVE COOLERS

The FRES MANN portable industrial evaporative coolers are ideal for refreshing all kinds of work areas, event tents, heat sources, etc. with a totally natural and low energy consumption...

Its basic operating principle is to suck in the outside air and pass it through some panels moistened with water. Once the air passes through this panel, it cools and increases its humidity. Once this process has been carried out, the air is propelled inside the premises to be air-conditioned, reaching pleasant comfort temperatures and adequate indoor air quality for people.

FRES MANN PREMIUM evaporative coolers develop an air flow of **5.760 m³/h to 13.511 m³/h with an available pressure at a maximum flow of 100 Pa**, their cooling capacity is suitable for premises from 70 m² to 250 m².

Its operation is totally ecological due to the fact that no type of refrigerant gas is used in addition to requiring 80% less electrical energy compared to conventional air conditioning equipment.

MAIN FEATURES

- Water tray and roof made of thick polypropylene with UV protection.
- Posts made of AISI-304 stainless steel.
- Cooler panels type 5090, 100mm thick.
- Suction grilles painted in polyester oven in RAL 7035 gray color.
- Centrifugal fan group in galvanized steel.
- Electrical panel for 1 speed or variable operation.
- Bearing protection cover to prevent corrosion (FR-15).
- Nylon wheels with brake.
- 10m hose with quick connect system.
- Manual emptying system.
- Quick opening of the panels with half-turn fasteners.
- Hydraulic and electrical installation connected at the factory.
- Air diffusion with front grille or duo diffuser cube (optional).
- SWING function.



Double deflection grilles with SWING function.

Double deflection grills with SWING function.

Double deflection grilles with SWING function.



Quick opening system with half-turn fasteners.

Quick opening apertures with half-turn knob.

Quick opening system using half-turn fasteners.



1-speed or adjustable front control panel.

Control frontal panel of 1 speed or variable flow.

Front control panel with 1 speed or adjustable.



Hose with quick plug to the network.

Quick-connect hose for connection to water source.

Hose with quick connection system water to the network.



Nylon transport wheels.

Nylon wheels for mobility.

Nylon wheels.

EVAPORATIVE COOLERS INDUSTRIAL PORTABLES

FRES MANN portable industrial evaporative coolers are ideal for cooling all kinds of work spaces, event tents, heat sources, etc. with completely natural and low energy consumption...

Its basic working principle is to draw in outside air and pass it through some panels moistened with water. Once the air passes through this panel, it cools down and increases its humidity. Once this process is carried out, the air is propelled inside the premises to be conditioned, reaching pleasant comfort temperatures and adequate indoor air quality for people.

FRES MANN PREMIUM evaporative coolers develop an air flow from **5,760 m³/h to 13,511 m³/h with pressure available at a maximum flow rate of 100 Pa**, their cooling capacity is suitable for premises from 70 m² to 250 m².

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- Centrifugal fan group in galvanized steel.
- Electrical panel for 1 speed or variable operation.
- Bearing protection cover to prevent corrosion (FR-15).
- Nylon wheels with brake.
- 10 m hose with quick connection system.
- Manual emptying system.
- Quick opening of the panels with half-turn fasteners.
- Hydraulic and electrical installation connected at the factory.
- Air diffusion with front grille or diffuser cube with 2 outlets (optional).
- Fonction SWING.



MET MANN
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**FRESH MANN
FRONT AIR OUTLET**
**FRESH MANN
FRONT AIR DISCHARGE**
**FRESH MANN
SORTIE D'AIR FRONTAL**

MODEL Model Model	AIRFLOW Air flow Air flow	PANEL 5090 100mm Panel 5090 100mm Panel 5090 100mm	PANEL EFFICIENCY Panel efficiency Panel efficiency	MOTOR Motor Engine	FAN SPEED Fan speed Fan speed	SOUND LEVEL Sound level Sound level
	m ³ /h - Pa*	m ² - m/s	%	kW	R.P.M	dB (A) a 3m
FR-07-100-007 -VR	5.760 - 100	1,60 m ² -1,00 m/s	90	0,75 (A)	Variable	64
FR-07-100-007-VR DUO	5.760 - 100	1,60 m ² -1,00 m/s	90	0,75 (A)	Variable	64
FR-15-100-022-1V	13.511 - 107	2,84 m ² -1,32 m/s	88	2,20 (B)	1 speed	66
FR-15-100-022-1V DUO	13.511 - 107	2,84 m ² -1,32 m/s	88	2,20 (B)	1 speed	66
FR-15-100-022-VR	13.511 - 107	2,84 m ² -1,30 m/s	88	2,20 (A)	Variable	66
FR-15-100-022-VR DUO	13.511 - 107	2,84 m ² -1,30 m/s	88	2,20 (A)	Variable	66

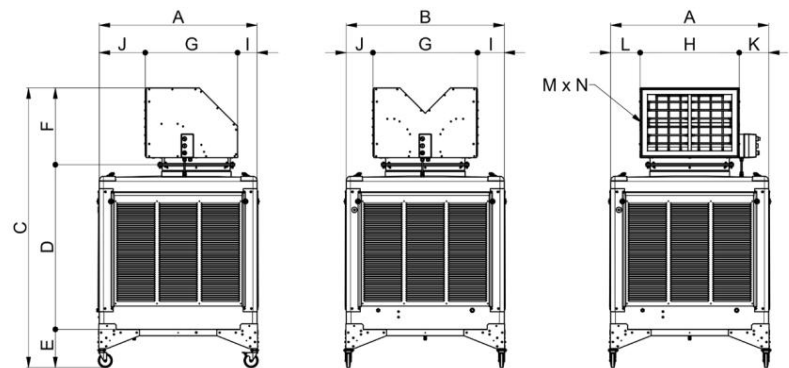
WATER PUMP VOLTAGE
WATER PUMP POWER
WATER PUMP POWER: **16W 230V//50Hz**

FAN VOLTAGE
FAN VOLTAGE
FAN VOLTAGE
(A) 230V//50Hz
(B) 400V//50Hz

Pa* Available pressure
Available pressure
Available pressure

MODEL Model Model	EQUIPMENT Equipment Device	FILTRADO G4 G4 Filter Filtered G4	UV TREATMENT UV Treatment UV treatment
FR-07-100-007 -VR	15010781008R	04150107G412	031501101010M
FR-15-100-022-1V	15011581022V	04150115G412	031501101010M
FR-15-100-022-VR	15011581022R	04150115G412	031501101010M

DUO MODEL DUO Model DUO model	DUO TEAM DUO Equipment DUO device	FILTRADO G4 G4 Filter Filtered G4	UV TREATMENT UV Treatment UV treatment
FR-07-100-007-VR DUO	15010791008R	04150107G412	031501101010M
FR-15-100-022-1V DUO	15011591022V	04150115G412	031501101010M
FR-15-100-022-VR DUO	15011591022R	04150115G412	031501101010M


DIMENSIONS / Dimensions (mm)

MODEL Model Model	A	B	C	D	E	F	G	H	J	K	L	MxN	EMPTY WEIGHT Kg Empty wtg. Unloaded weight)	WEIGHT WITH WATER Kg Wgt. w/water Weight (water)	
FR-07	833	833	1796	979	272	545	658	706	30	137	64	64	600x400	110	120
FR-07-DUO	822	822	1795	979	272	545	745	706	40	40	145	120	600x400	110	120
FR-15	1135	1135	1985	1169	272	545	658	706	140	337	216	216	600x400	210	230
FR-15-DUO	1135	1135	1985	1169	272	545	745	706	195	195	85	345	600x400	210	230

PULSE TEMPERATURES / Impulse temperatures / Impulse temperature
Enfriador evaporativo FR-07/15 · Evaporative cooler FR-07/15 · Evaporative cooler FR-07/15

Humidity Humidity	OUTSIDE TEMPERATURE							
	30°C	32°C	34°C	36°C	38°C	40°C	42°C	44°C
20	17,2	18,5	19,8	21,2	22,5	23,8	25,2	26,5
25	18,2	19,6	21,0	22,4	23,9	25,3	26,7	28,1
30	19,2	20,7	22,1	23,6	25,1	26,6	28,1	29,6
40	21,1	22,7	24,3	25,9	27,5	29,1	30,7	32,3
50	22,8	24,5	26,2	27,9	29,6	31,3	33,0	34,7



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