

## Mistral M8-EM Refilling Compressor

High-pressure piston compressor for breathing air, portable, 3-staged, air cooled, oil lubricated, manufactured by PARAMINA, model Mistral M8-EM 220V/50Hz (alternative upon request 230V/60Hz) with electric motor 3kW/4Hp, suitable for all shipping, diving and fire-fighting applications with CE certificate.



Model	:M8-EM
Air Delivery FAD	: 140 lit/min – 8,4 m <sup>3</sup> /h
Max. Working Pressure	: 330 bar
Working Pressure	: 300 bar
Stages	: 3
Cylinders	: 3
Cylinder Arrangement	: W

1 <sup>st</sup> stage cylinders diameter	: 60mm
2 <sup>nd</sup> stage cylinder diameter	: 36mm
3 <sup>rd</sup> stage cylinder diameter	: 14mm
Piston Stroke	: 40mm
Speed Rotation	: 1750 rpm
1 <sup>st</sup> Stage Pressure	: 3,5 bar
2 <sup>nd</sup> Stage Pressure	: 28 - 30 bar
Transmission	: V Belt
Motor power	: 3kW/4Hp —220V/ 50Hz (alternative upon request 230V/60Hz) - (Class F, IP 55)
Oil Capacity	: 500 ml. synthetic compressor oil
Air outlet temperature	: 5 - 8 °C above ambient temperature
Max. permissible ambient temp.	: +5 <sup>0</sup> to +45 <sup>0</sup> C
Cooling air flow min required approximately	: 1.200m <sup>3</sup> /hr
Max. inclination of compressor	: 15 <sup>0</sup>
Dimensions (L-W-H)	: 74 X 47 X 47 cm
Weight	: 67 Kg
Filling Time of 1 Cyl.10ltr @ 300bar	:21,4 min ± 5%

**Standard Equipment:**

- Micronic Air Intake Filter.
- Condensate Separator after 2nd Stage.
- Two (2) Large Stainless Steel Intercoolers.
- Large Stainless Steel After-cooler 3 meters long.
- Large fan for optimum cooling (400mm diam.).
- **Safety Valves in all stages.**
- **BA filter Ø80X345** – including coalescing pre-filter (0,5 mg/m<sup>3</sup> oil residual) , and B.A. cartridges Ø42X180 (Active Carbon / Molecular Sieve cartridge), with the supply of absolutely clean air exceeding by far the requirements of EN12021:2014 directive.
- **Pressure maintaining & non-return valve after final BA filter for extended BA filter lifetime.**
- Final stage glycerin manometer 400 bar.
- Manual Condensate Drains.
- Automatic belt tensioning system.



- Start/Stop switch.
- Hour meter.
- **Motor thermal overload protection.**
- **One (1) Kevlar\* Filling hose** – 1,2m length, complete with DIN300 filling connector.  
\*Kevlar hoses are manufactured with very strong & resistant material and are pin pricked for air relief in atmosphere in case of damage.
- Automatic belt tensioning system.
- Wheels for easy transport.

**Note: Fuse box and plug supplied by customer.**

**Approximately Package Dimensions & Weight = 98x53x65cm, 80Kg**