



MULTI STAGE JET FANS FOR MINING OR TUNNEL CONSTRUCTION PROJECTS



MS Jet Fans provide high Static Pressures for very long air ducts to supply the fresh air to the end of tunnel where the vital tunneling job is executing. No matter what the tunneling method is either TBM, NATM or conventional methods used, EMAK MS JET FANS always deliver calculated air volume in to the Tunnel.

EMAK ENGINEERING Department have the knowledge and very well experienced on the calculations of pressure losses, back layering of the dirty air also the filtering of dusty air where needed.

Today, with more than 40 Years of experience, EMAK Company designs and produces perfect MS JET FAN combinations to get highest Pressures for specific projects to our customers.

STANDARD MS-JET PRODUCTION RANGE

FAN RANGE : Ø 450 mm – ø 1800 mm.
AIR VOLUME : Max. 200.000 m³/h (55.5 m³/s)
STATIC PRESURE : 4500 Pa IMPELLER
MATERIAL EN 1725 (G-ALSI 10 Mg Aluminum) or
EN 10025 (ST 3237 Steel with Epoxy / Galvanic
Protection)
BODY STRUCTURE : EN 10025 (ST 3237 Steel)
Epoxy or Hot Dip Galv. Acc. EN ISO 1461

GENERAL CONSTRUCTION

EMAK JET FANS are spread in a very wide range of selection combinations. As much as the alternatives of different capacity possibilities (Motor Power / Speed / Fan Diameter), The constructive materials used in body may differ according to the conditions required. The Product Development and Research works of EMAK Engineers allow custom made designs for specific needs of our customers.

Operational and maintenance manuals of the mechanical apparatuses, spares and ancillaries belonging to the JET FANS are delivered with detailed drawings, electric motor manuals etc.

With every dispatch. The Electric Motors used in EMAK MS JET Fans are F Class - IP 55 – S1 (Continuous Operation) Type and donated with the Heavy Duty type bearings (Life time lubricated), estimated life is 100.000 working hours in normal conditions.

The EFF 1 High Efficiency models shall be supplied where necessary.

MS JET



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ELECTRIC CONTROL FEATURES AND ANCILLARIES

EMAK MS JET FANS are maybe delivered with a control cubicles including speed control feature.

Most of the cases The Speed Control is a need for a developing process. The Tunnel fresh air need will extend with the progress of the Tunneling. Thanks to variable Frequence Driver Technology to enable us to adjust the air speed. The solution is maybe a combination of a conventional starters and the drivers. Silencers used most of the cases since the high pressures causes high noises.

EMAK is an expert of silencer productions tailored to the need of our customers. Anti Vibration Insulators have a wide selection ranges.

EMAK will make a proper selection of AVI match to your need.

