



»»» RME 110  
RME 110 IVR

»»» RMF 110-160  
RMF 132-180 IVR

Gearbox driven  
Oil-injected screw compressors  
Fixed and variable speed

Robust, reliable, efficient.  
Maximum benefits in  
compressed air.



**U M A R K**



## >>> RME • RMF • Gearbox Driven RME • RMF IVR • Gearbox driven • Variable speed

To help you achieve the highest productivity, Mark has developed a strong range of solutions and services. With the RME/RMF ranges, you will get superior reliability and performance levels while keeping ease of installation and operation. The machine combines all the key features and built-in intelligence to help you reach optimal productivity each and every day.

Based on a solid technical experience and application knowledge, Mark is the right partner to accompany the industries in their daily challenges and contributes to their success.

## User benefits

### Time-proven reliability

- Meticulous components selection and advanced technology
- Strict qualification and testing procedure
- Rigid pipes and elastic coupling: durability and leak free
- Smart Airlogic® controller for a flexible monitoring
- Long lifetime filtration system

### High performance

- Airend with two asymmetrical profile rotors mounted on superior-quality bearings
- High performance electric motor (IE2)
- Gear driven for highest efficiency and reliability over time
- Energy efficient ventilation with speed regulated turbines (except RME)
- Aluminium type cooler blocks with a large surface for maximum cooling efficiency

### Easy to install and operate

- Low noise level for compatibility with most operating environments
- All-in-one included package and no special foundation needed
- All connection accessible from the same side for easy installation
- Easy ducting from the roof

### Service friendly design

- Wide doors that open 180°, easily removable panels
- Easy access to all working parts and consumables
- Completely free sides
- No special tools required
- Clear service schedule available from the Airlogic®



Mark RME/RMF ranges offer a flexible choice of compressors, from 110 till 160kW, in different pressure and cooling variants, all gearbox driven, fix or variable speed. All compressors are designed to reach the same target: guarantee the highest uptime, and ensure you long and easy operation with the lowest operating costs.

### >>> Fix speed control – Load/unload regulation

A load/unload compressor delivers a constant air capacity. The net pressure is controlled by an inlet valve operating the compressor in a load/unload cycle. In case the set pressure is reached, the compressor turns into unload mode (by closing the inlet valve). When the pressure value drops below a specific level, the compressor starts up the same routine.

### >>> Variable speed control – Frequency inverter regulation (IVR)

A frequency driven compressor has a working pattern with lower peaks and a smoother air profile. This is achieved by controlling the air delivery and producing only the amount of air required for the customer's application at a specific moment. The net pressure is maintained by use of a frequency inverter. As a result, the compressor consumes only the energy needed which is very cost efficient. Additional benefits:

- ✓ Certified electromagnetic compatibility
- ✓ Higher process stability
- ✓ Reduced compressed air leaks
- ✓ Ramped motor start up
- ✓ No current peaks, no tax penalties from power suppliers
- ✓ Less stress on coupling elements and improved mechanical reliability

# GEARBOX DRIVEN - Fixed & Variable speed



## »»» Standard equipment

STANDARD	GEARBOX DRIVEN	
	Fixed speed	Variable speed
Intake filter	standard	standard
Capacity control device	standard	standard
Screw compressor with asymmetrical profile rotors	standard	standard
Gear driven transmission with elastic coupling	standard	standard
IP55 electrical motor, class F insulation	standard	standard
Optimized Air/Oil separator	standard	standard
Oil filters	standard	standard
Aluminum type Air/Oil coolers	standard	standard
Speed regulated radial fans (except RME)	standard	standard
Oil pressure regulating valve	standard	standard
Control panel	standard	standard
Electronic controller	standard	standard
Insulated sound cover	standard	standard
Anti-vibration dampers	standard	standard
Standard high efficiency panels	standard	standard
Integrated frequency drive (for IVR machine only)	x	standard

## »»» Large scope of available options

Special conditions require special care for your compressor.

A carefully designed choice of optional features protect your machine or process when it is required:

OPTION	GEARBOX DRIVEN	
	Fixed speed	Variable speed
High efficiency external intake filter	✓	✓
Dust filtration panels	✓	(standard)
Water separator	✓	✓
Automatic drain*	✓	✓
Modulating control	✓	✓
Phase sequence relay	✓	✓
Wooden case	✓	✓
4000 hours oil	✓	✓
8000 hours oil	✓	✓
Food grade oil	✓	✓
Energy recovery	✓	✓

\* In combination with water separator drain



“ The RME / RMF gearbox driven ranges come with a wide range of options, so all customer needs can be met. ”

“ Maintenance is a one man job now. Costs me less. ”

“ Advanced design Powerful & efficient Very rigid and robust construction ”

“ Thanks to the synergy in design within the ranges, the service is facilitated, availability of parts is increased and lead times of machines are reduced. ”

# Great reliability and flexible package

## »»» RME 110 RME 110 IVR

The RME is the ideal solution for all industries requiring high reliability and low operating costs. Easy installation, excellent accessibility and simple design are the results of decades of experience in designing and constructing compressors.

The gearbox driven transmission makes the compressors more reliable, more efficient, more compact and less noisy. Flexible coupling transmits torque and absorbs any torque stress that may occur during start-up and shutdown and also contributes to:

- Reduces energy costs
- Increases reliability
- Lower vibrations
- Extends component life

The RME IVR offers all benefits to help you lower down your energy cost to a minimum: a highly efficient frequency converter with low harmonic distortion is built into the machine in a well-ventilated housing.



## »»» Components



- 1 filtration panel
- 2 controller
- 3 electrical cubicle
- 4 air/oil coolers

- 5 oil separator vessel
- 6 base frame
- 7 oil filters
- 8 unloader valve
- 9 air filter

- 10 air end
- 11 gear driven transmission
- 12 motor
- 13 cooling fans





## SMART TECHNICAL ADVANTAGES

### INTELLIGENT BUILT-IN SYSTEM

- User friendly interface for easy monitoring. 27 languages available.
- Protect your compressed air system
- Large scope of integrated functionalities : timers, dual pressure band
- Clear service schedule and fault report (10 last cases)



### EXCELLENT ACCESSIBILITY, SAFE MAINTENANCE

- Coolers vertically mounted for easy maintenance
- Efficient 3-stage air/oil separation (centrifugal/gravitational/coalescent) for residual oil content < 3 ppm
- Special mountings facilitate assembly and dismantling



### DESIGNED FOR HIGHEST RELIABILITY

- Variable speed turbine fans (except RME) with low-noise, high-capacity, silent operation
- Air flow spreads over surfaces of all internal working parts, cooling them and protecting them against hot spots
- Aluminum air-oil cooler has large surface area for heat transfer and effectively cools air and oil
- Pre-filtration panel provide maximum protection of internal working parts by filtering all incoming air



Oil injected Screw  
compressors,  
Gearbox driven

Ranges:

- RME 110 and RME 110 IVR
- RMF 110-160  
and RMF 132-180 IVR

**MARK**



- A higher final product quality and a strong **technology you can trust**
- Choosing for our high performance compressor offers you a strong **partnership**
- Our products are **simple, easy to use** and stand for a high **reliability**
- **Service** and aftermarket are guaranteed
- Original Parts and Services
- Dealers are always nearby and have strong **availability**



Increase your profit and improve the image of your company



Contact your local Mark representative now!

**ATOMIZER**

tel. 535 55 66 00  
biuro@atomizair.pl  
www.atomizair.pl

6999200310



[www.mark-compressors.com](http://www.mark-compressors.com)