



# MSM 16 - 30

Oil-injected screw  
Compressors  
Belt driven

The perfect solution for  
the small and medium  
businesses.





## »»» MSM 16 - 30

Compressed air drives most of the businesses, consequently choosing the right compressor is one of the most important decisions your company can make. Our MSM range is a robust and reliable belt driven oil-injected screw compressor - a first-class product that can be easily equipped with an air receiver, a refrigerant dryer, pre and post filters, offering you a compact and complete solution for your business.

The MSM legendary reputation was built throughout the years based on MARK's constant investment in new technologies and quality improvement, being today a safe choice that you will never regret.

Bring fresh air into your company and enjoy the performance, simplicity and the reliability that only MARK can offer.

## User benefits

### A Complete Solution

- Very compact all in one design
  - Available on air receiver
  - Also with dryer and filters if needed
- Full protected for transport
- No special foundation required
- Very low vibration and noise level
  - Easily installed inside the workshop, very close to the air usage point

### Legendary reliability

- Robust and reliable design
- Built with first-class components
- New generation of rotary screw element allows you to work on 100% continuous duty cycles and very hard working conditions
- An oversized ventilation ensures low internal temperatures, making your compressor live better and longer
- The complete unit is designed to operate at ambient temperatures up to 46° C/115 ° F

### Easy Maintenance and Accessibility

- All service components located at the front of the machine for excellent accessibility
- All service components strategically located for excellent accessibility
- Oil-level sight glass at the front, visible without removing any panel
- Easy and quick check thanks to the controller
- Service and cleaning is a one person job

### Cost Efficiency

- Reliable design
- Low maintenance costs
- Long service intervals
- Low energy consumption, thanks to reputed motors and advanced screw compressor element
- High performing lubrication and cooling systems



### »»» Optional and standard features

DESCRIPTION	Factory
PHASE SEQUENCE RELAYS	Std
ELECTRONIC CONTROLLER	Std
INTELLIGENT CAPACITY DRAIN (ON THE INTEGRATED DRYER)	Std
FOOD GRADE OIL	✓
LINE FILTERS G+C (ONLY FOR TANK MOUNTED UNIT WITH DRYER)	✓
WOODEN CRATE	✓

✓ = available



# THE PERFECT SOLUTION FOR THE SMALL BUSINESSES

## »»» MSM 16 - 30

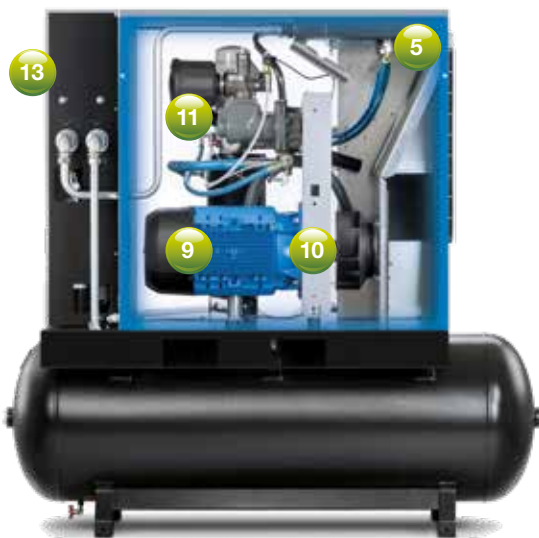
Easy to use, efficient and reliable, the MSM range meets the compressed air demands of tire shops, paint shops, car dealers, maintenance shops, small and medium industries in general.

Quiet by design, the MSM can be installed almost anywhere in the workshop, without disturbing your working environment.

Floor mounted or tank mounted, with or without dryer and filters, the MSM is a complete solution for your business.



## »»» Components



- 1 Controller
- 2 Emergency stop
- 3 PDP controller
- 4 Dryer switch

- 5 Oil cooler
- 6 Oil separator vessel
- 7 Oil filter and oil separator
- 8 Oil level sight glass
- 9 Electric motor

- 10 Belt drive system
- 11 Compressor element
- 12 Refrigerant dryer
- 13 Pre and post line filters
- 14 Safety valve



## »»» Intelligent monitoring, control and protection

The ES 4000 Basic Controller offers advanced monitoring and simple day-to-day configuration and control for your operation.

- Icon-based display with pressure and temperature readings
- Running hours, load hours
- Maintenance warnings
- Failure alarms
- Fast pressure setting directly on the controller
- Remote start-stop
- Automatic restart after power failure

## SMART TECHNICAL ADVANTAGES



### A COMPLETE SOLUTION

- Save space and money with tank mounted installations including dryer and filters.
- The complete solution not only saves costs on installation, but also reduces the risk of air leakages in your workshop.



### TOTAL RELIABILITY

- Built for 100% continuous duty cycle.
- The complete unit is designed to operate at ambient temperatures up to 46° C/115° F.
- An oversized ventilation ensures low internal temperatures, making your compressor live better and longer.



### ROBUST AND EFFICIENT COMPRESSOR ELEMENTS

A new generation of compressor elements, provides top performance allied to low energy consumption and a very long lifetime for your investment.



### HIGH QUALITY AIR DELIVERY

- Units built on an air receiver can be equipped with a air treatment package composed by a refrigerant dryer, pre and post filters.
- This air treatment package guarantees dry and very clean air, perfect for the most demanding applications.



## Technical data

FIXED SPEED	Max. Working Pressure ***		Free Air Delivery @ reference conditions *				Motor Power		Noise Level **	Weight		
	Bar	PSI	m <sup>3</sup> /h	l/s	l/min	cfm	kW	hp	dB(A)	FM	FM D	500L D
<b>Model</b>												
<b>MSM 16</b>	8	116	153	42,5	2550	90	15	20	67	313	362	588
	10	145	139	38,5	2310	82						
	13	188	112	31,2	1872	66						
<b>MSM 18</b>	8	116	188	52,1	3126	110	18,5	25	69	328	377	603
	10	145	162	45,0	2700	95						
	13	188	139	38,5	2310	82						
<b>MSM 22</b>	8	116	223	62,0	3720	131	22	30	70	344	393	619
	10	145	193	53,6	3216	114						
	13	188	167	46,4	2784	98						
<b>MSM 30</b>	8	116	260	72,2	4332	153	30	40	71	444	493	na
	10	145	234	65,1	3906	138						
	13	188	206	57,2	3432	121						

\* Unit performance measured according to ISO 1217, Annex C, latest edition

\*\* Noise level measured according to ISO 2151:2004 using ISO 9614/2

\*\*\* Reference working pressure: 7,5 - 9,5 - 12,5 bar



## Dimensions

	Length mm	Width mm	Height mm
<b>FLOOR MOUNTED</b>	1180	833	1220
<b>FLOOR MOUNTED WITH DRYER</b>	1450	833	1220
<b>500L TANK WITH DRYER</b>	1904	833	1832

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screw compressors,  
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**MARK**



- A high quality product offering you **technology you can trust**.
- Our products are **easy to use** and guarantee high **reliability**.
- Distributors are always nearby ensuring **availability** of both products and support.
- Choosing our high performance products entails a **partnership** that will boost your business.
- Safeguarding long-term productivity through optimal **serviceability** and use of original parts.



Care. Trust. Efficiency.

**Care.**

Care is what service is all about: professional service by knowledgeable people, using high-quality original parts.

**Trust.**

Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

**Efficiency.**

Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference.

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