



Compact, connected and convenient: Reliability and great performance for your business

MSM 18-30 & MSM 16-22 IVR



mark-compressors.com



MSM 18-30 FIX SPEED

Compressed air powers countless industries, making the choice of compressor a critical decision for your business.

Our **MSM 18-30 range** offers a robust, belt-driven, oil-injected screw compressor designed for reliability and long-term performance. This first-class solution can be easily configured with an air receiver, refrigerant dryer, and pre-filter—providing a compact, all-in-one system tailored to your needs. Backed by Mark's ongoing investment in innovation and quality, the **MSM 18-30 series** has earned its legendary reputation over the years. It's a trusted choice that delivers peace of mind and consistent results.

Bring fresh air into your operations and experience the simplicity, performance, and dependability that only MSM 18-30 can offer.



A COMPLETE SOLUTION

Compact, all-in-one design

- Base-mounted unit fits in less than 1 m²
- Available with air receiver
- Optional integrated dryer and pre-filter

Ready for transport

- Fully protected for safe and easy handling
- No special foundation required

Quiet and low vibration

- Operates with minimal noise and vibration
- Ideal for installation close to the point of use

LEGENDARY RELIABILITY

Engineered for endurance

- Built with premium components
- New-generation rotary screw element supports 100 % duty cycle
- Designed for demanding environments

Optimized cooling

- Oversized ventilation system ensures low internal temperatures
- Reliable operation in ambient temperatures up to 46 °C (115 °F)

EASY MAINTENANCE & ACCESSIBILITY

User-friendly design

- All service points accessible from the front
- Oil-level sight glass visible without removing panels
- Quick checks and diagnostics via intuitive controller
- Maintenance and cleaning can be done by a single person

COST EFFICIENCY

Low total cost of ownership

- Durable, reliable design minimizes downtime
- Long service intervals reduce maintenance needs
- Energy-efficient IE3 motors and advanced screw elements
- High-performance lubrication and cooling systems

HIGH-QUALITY AIR DELIVERY

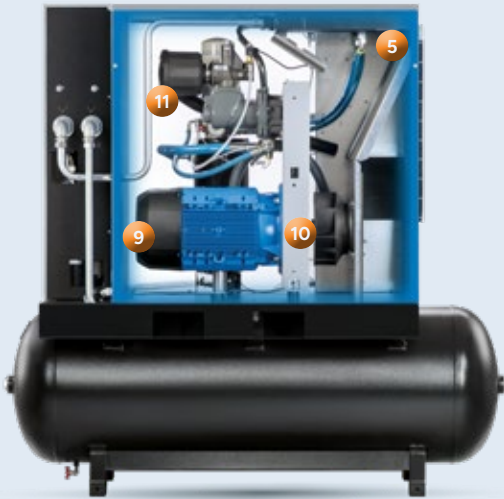
Integrated air treatment package

- Units mounted on an air receiver can be equipped with a complete air treatment system, including a **refrigerant dryer** and **pre-filter**

Clean, dry air for demanding applications

- This package ensures the delivery of **dry and ultra-clean compressed air**, making it ideal for even the most sensitive and demanding industrial processes

COMPONENTS



- | | | |
|------------------|--------------------------------|-----------------------|
| 1 Controller | 6 Oil separator vessel | 11 Compressor element |
| 2 Emergency stop | 7 Oil filter and oil separator | 12 Refrigerant dryer |
| 3 PDP controller | 8 Oil level sight glass | 13 Safety valve |
| 4 Dryer switch | 9 Electric motor | |
| 5 Oil-cooler | 10 Belt drive system | |

OPTIONAL AND STANDARD FEATURES

Description	Factory
PHASE SEQUENCE RELAYS	Standard
ELECTRONIC CONTROLLER	Standard
INTELLIGENT CAPACITY DRAIN (ON THE INTEGRATED DRYER)	Standard
FOOD GRADE OIL	✓
LINE FILTER G (ONLY FOR TANK MOUNTED UNIT WITH DRYER)	✓
WOODEN CRATE	✓

✓ = available

ICONS

INCREASED UPTIME, POWERED BY ICONS

With the Intelligent CONnectivity System (ICONS), you get data and insights from your machines delivered to your computer, tablet or smartphone.

- Increase the reliability of your machine by identifying problems before they become a threat to the continuity of your production
- Analyze and optimize your energy consumption and CO₂ emissions
- Receive high-quality energy reports ensuring the ISO50001 compliance of your site



TECHNICAL SPECIFICATIONS

MSM 18-30

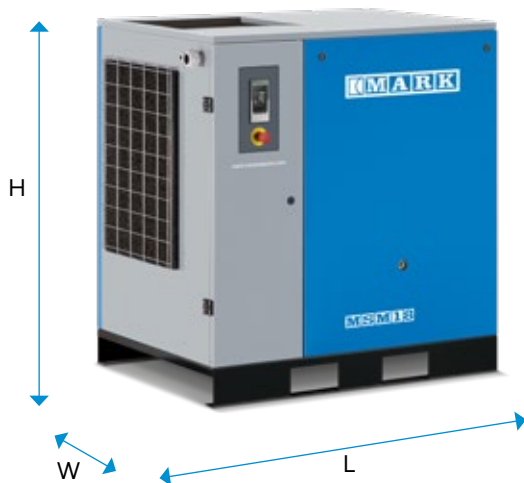
Model	Max. working pressure	Free Air Delivery @ reference conditions*			Motor power		Noise Level**	Weight (kg)			
		Bar	m ³ /h	l/s	cfm	kW		hp	Base Mounted	Base Mounted Dryer	Tank Mounted Dryer
											500 L
MSM 18	8	188	52,1	110	18,5	25	69	328	377	603	
	10	162	45	95							
	13	139	38,5	82							
MSM 22	8	223	62	131	22	30	70	344	393	619	
	10	193	53,6	114							
	13	167	46,4	98							
MSM 30	8	260	72,2	153	30	40	71	444	493	na	
	10	234	65,1	138							
	13	206	57,2	121							

DIMENSIONS

	Dimensions (mm)		
	Length	Width	Height
Base Mounted	1180	833	1220
Base Mounted Dryer	1450	833	1220
Tank Mounted 500 L	1904	833	1832

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

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



MSM 16-22 IVR (PM)

Step into the future of compressed air with the MSM 16-22 IVR series.

In today's evolving industrial landscape, energy efficiency isn't just a trend — it's a necessity. While traditional fixed-speed compressors still serve many applications, the shift toward smarter, more sustainable solutions is accelerating. Variable Speed Drive (VSD) compressors are leading this transformation, offering unmatched energy savings, reduced wear, and optimized performance.

But until now, the higher upfront cost of VSD technology has kept many small and medium businesses on the sidelines — especially those with lower air demand or limited operating hours.

Meet the game-changer: MSM 16-22 IVR

Our new MSM 16-22 IVR range breaks down the barriers to energy-efficient compressed air. It delivers all the advantages of Variable Speed Drive — including lower energy bills, quieter operation, and longer equipment life — at a price point that finally makes sense for fixed-speed users.

- **Power range:** 15 to 22 kW
- **Technology:** Permanent Magnet (PM) motor with direct drive jointless and greased for life
- **Motor cooling:** oil-cooled motor for superior durability and performance
- **Design:** in-house engineered airend for maximum efficiency

Whether you're running a small workshop or a larger facility with modest air needs, the MSM 16-22 IVR is your smart, future-ready solution.

Why choose MSM 16-22 IVR?

- ✓ **Energy efficiency without the premium price**
- ✓ **Quiet, reliable, and built to last**
- ✓ **Ideal for demanding applications**
- ✓ **Compact, plug-and-play design**

The MSM 16-22 IVR makes Variable Speed technology accessible — and profitable — for businesses that previously couldn't justify the investment. It's not just an upgrade. It's a leap forward.

Smart, efficient, and cost-effective—now that's an easy decision.



BENEFITS OF MSM 16-22 IVR

- Up to 45 % energy saving PM technology with in-house designed airend
- IE4 motor efficiency
- Oil-cooled, IP54 ensures reliability in dusty and humid conditions
- Reliable operation, even in ambient temperatures up to 46 °C
- Pressure range between 4 and 10 bar
- Small footprint
- Low noise vs previous generation
- ES 4000 Connect controller

Premium compression technology

Oil-cooled IE4 efficiency and Class H Interior Permanent Magnet (IPM) motor:

maintenance free; includes innovative oil-cooling technology for optimal performance in up to 46 °C.

IP54 electrical cubicle:

ideal for harsh environment it can withstand up to 60 °C with the highest standards in EMC performance.



In-house designed compression element:

gives you best-in-class free air delivery and specific energy requirement.

Drive train:

all-new conical coupling design for fast maintenance on the drive train.

Oversized coolers and oil vessel:

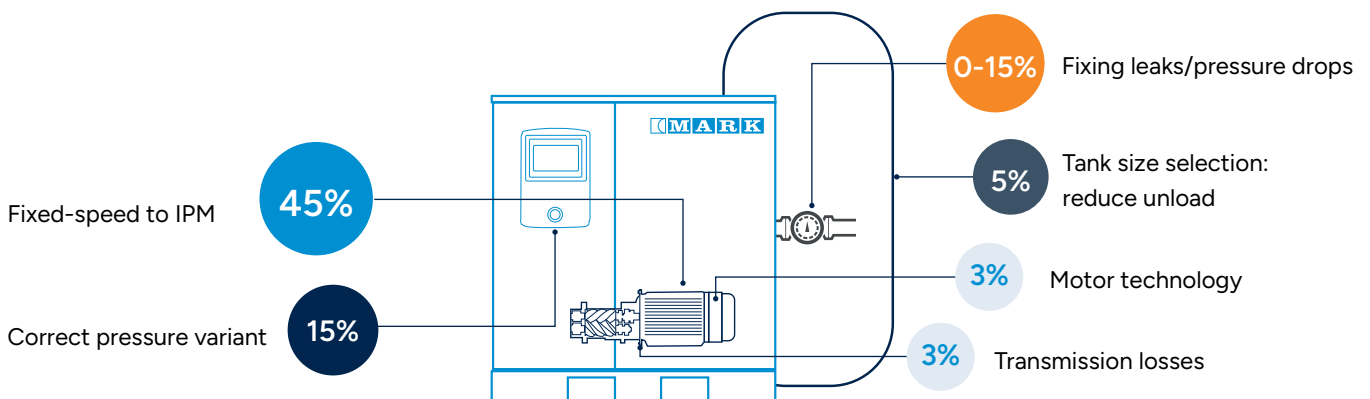
for improved performance.

A RANGE OF OPTIONS

- 8000 hours oil
- Food grade oil
- Water Separator - WSD
- Line filter G to remove dust and oil
- DC choke (only sales option)
- Wooden box & crate shipping options

MAXIMIZE YOUR ENERGY SAVINGS

Energy is by far the biggest cost of owning and operating a compressor. Luckily, there are many options to minimize the energy consumption of your air system. Technologies such as energy recovery can have a huge impact on your bottom line and your environmental footprint, with energy savings of up to 75 %. A holistic view of your compressed air system is key. It starts with the selection of efficient technologies when buying your compressor. But it doesn't end there. Monitoring and analyzing your air system as you use it will often reveal optimization opportunities. Your Mark representative can help you find those savings.



A VERSATILE RANGE



Fixed speed

- Base compressor design for years
- Compact, all-in-one design
- Reliable
- Easy to service
- Low investment cost



PM

- All belt compressors benefits
- Up to 45 % energy saving due PM motor technology
- Direct drive – one shaft arrangement does not need adjustment in any condition
- IP54, Class H motor ensures robustness

SMART CONTROL WITH ES 4000 CONNECT

The Smart Control with ES 4000 Connect controller takes compressor management to the next level—making your system easier to operate, more reliable, and more energy-efficient. With automatic over-the-air software updates, your compressor continues to improve over time.



User-friendly interface

Intuitive display for quick and easy operation.

Remote monitoring & control

Full connectivity for real-time access and management from anywhere.

Advanced energy savings (only for fixed speed)

Integrated DSS (Dynamic System Saver) technology optimizes energy use.

Proactive alerts

Real-time warnings and shutdown alarms to prevent downtime.

Maintenance insights

Service status, history, and notifications at your fingertips.

Leakage detection

Helps identify and reduce costly air leaks.

Flexible pressure settings

Easily adjust pressure bands via the ICONS app.

Automatic software updates

Stay up to date with the latest features and improvements—no manual intervention needed.

TECHNICAL SPECIFICATIONS

MSM 16-22 IVR

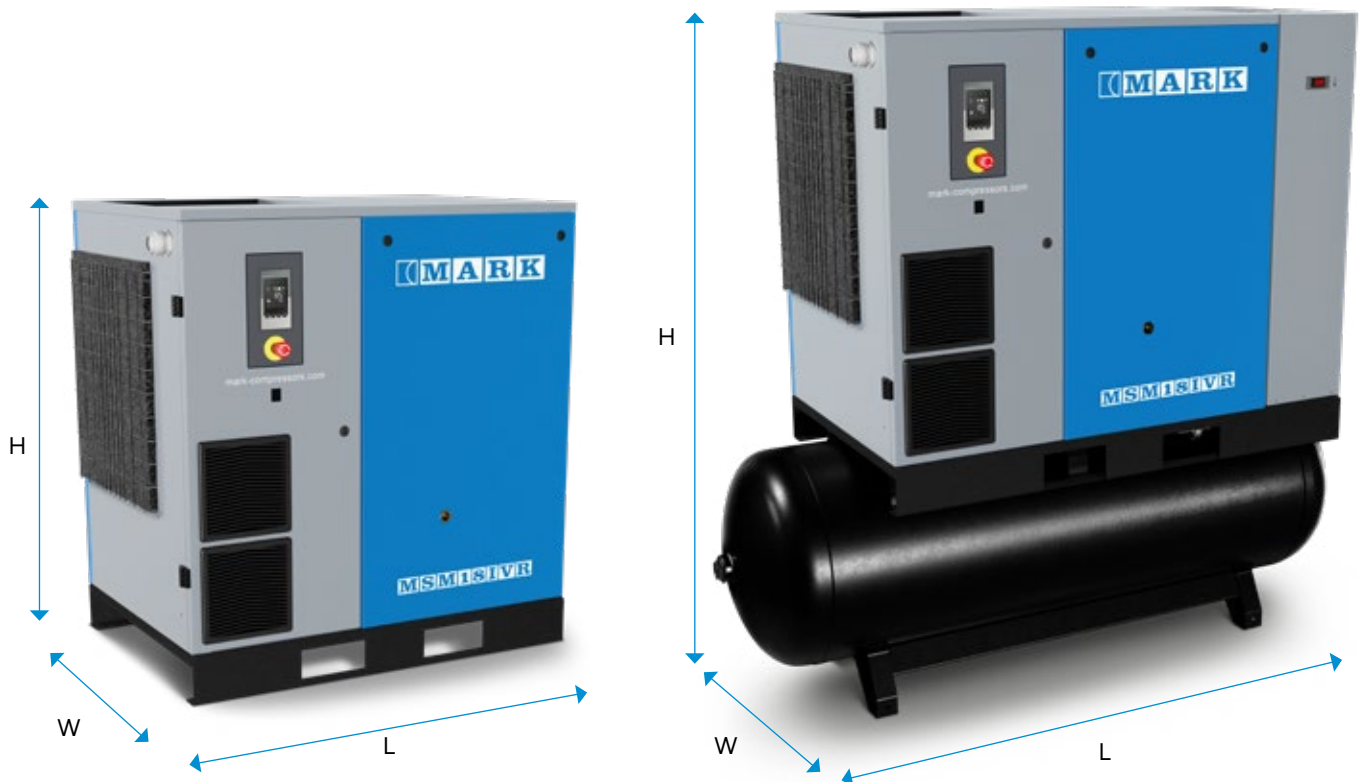
Model	Min. working pressure	Reference working pressure	Motor power	Free Air Delivery @ reference conditions*						Noise level **	Cooling air flow	Weight (kg)			
				Min. FAD*		Max. FAD*						Base Mounted	Base Mounted Dryer	Tank Mounted Dryer	
				7 bar	7 bar	7 bar	9.5 bar	9.5 bar	9.5 bar						
bar	bar	kW	hp	m ³ /h	l/s	m ³ /h	l/s	m ³ /h	l/s	db(A)	m ³ /s	500 L			
MSM 16 IVR	4	10	15	20	34,2	13	171	47,5	146,2	40,6	67	0,69	310	355	530
MSM 18 IVR	4	10	18,5	25	32,8	9,1	200,2	55,6	172,4	47,9	69	0,97	325	375	550
MSM 22 IVR	4	10	22	30	37,8	10,5	229,7	63,8	194,8	54,1	71	0,97	330	385	560

DIMENSIONS

	Dimensions (mm)		
	Length	Width	Height
Base Mounted	1200	835	1220
Base Mounted Dryer	1450	835	1220
Tank Mounted Dryer 500 L	1940	835	1835

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

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



Contact your local representative:
www.mark-compressors.com



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.

