



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

5.5-15 KW MSA RANGE OIL-INJECTED SCREW COMPRESSORS



# Welcome to the new 5.5-15 kW MSA compressors

Customers looking for a reliable compressor with optimal performance that can be installed in proximity to the work area should definitely consider our next generation MSA compressors.

The new MSA range is a hybrid version, combining both proven experience and innovation. Well-known reliability, improved components, a state-of-the-art element and an easier installation are at the core of this improved compressor range.

Let's take a better look:



Tank Mounted version without dryer



Tank Mounted version with integrated dryer



Floor Mounted version without integrated dryer

## Available models and mounts

The new fixed-speed range comes in 4 power variants: 5.5, 7.5, 11 and 15 kW with a pressure range between 8 and 13 bar.

It comes in 3 different configurations.

Tanks are available in 2 sizes: 270L and 500L.

## The perfect fit for your workstation

High performance, low footprint. A very useful combination in environments where the unit can be installed close to the work area. Our MSA range is composed of a series of compact units that can be fitted with a tank and refrigerated dryer in order to save additional space without compromising on air quality.

The new design also includes forklift slots on tank-mounted units to make installation even more convenient. Low noise levels further complement the workplace checklist! All these features lead to a reduction of installation costs, as no separate room or complex piping network is required to get the compressed air to the point of use.

As an added benefit you will further save on operational costs, as no piping means no pressure drop.



## Main features and benefits



### New air end

- The Free Air Delivery is increased by up to 13%, and power consumption is reduced by up to 16% thanks to our in-house designed compressor element.
- In-house designed element, combined with an IE3 motor for ultimate efficiency.



### Generous and smart cooling system

- More cooling capacity thanks to bigger air-oil coolers for specific power sizes.
- Large fan ensuring smart ventilation, improving the air flow and reducing the temperature inside the unit.



### Great serviceability

- Maintenance-friendly belt transmission.
- Easy service and quick access to all service parts.



### Designed for performance and convenience

- More robust in-house designed components for increased reliability and increased energy efficiency.
- Reliable in high ambient temperature environments (up to 46°C) due to superior component design.
- Easy to relocate and transport thanks to the forklift slots installed on all units.



### ES4000S

- The swipe controller informs you when something is wrong with your compressed air installation.
- Control, protect and maintain the unit anywhere, anytime.
- Monitor the performance of your compressed air system.

## The ES4000S controller: Gain full insight into your compressor system

The ES4000S offers an advanced user experience with a state-of-the-art 4.3" full-color touchscreen.

But the ES4000S takes ease of use even further. Thanks to their connectivity features, no need to walk over to the compressor and physically access the controller. You can check your compressor's service status anywhere, at any time, in real time.

Knowing the status of your compressed air system at any time improves the reliability of your overall operations. You can plan your service interventions at the right moment and avoid production downtime by detecting potential problems before they become a liability.



## ICONS



## Complete your compressed air installation with an ICONS plan

What if your compressor needs servicing or an immediate intervention? With an ICONS plan, alerts are delivered from your controller straight to your computer, tablet or smartphone. Wherever you are, you can take immediate action and reduce the risk of downtime and other costs.

## Highlights



Size matters

The MSA range does not require a separate compressor room, nor does it require piping to be installed to get the air from your compressor to the point-of-use. The complete unit is very compact and easy to install, allowing our customers to save both on space and installation costs.



A unit you can trust

Our customers have always valued the reliability and robustness of our MSA range. But this does not mean that it cannot be further improved. After years of experience in the field, in-house designed components were added to these units. The impact for you? Increased reliability and better energy efficiency.



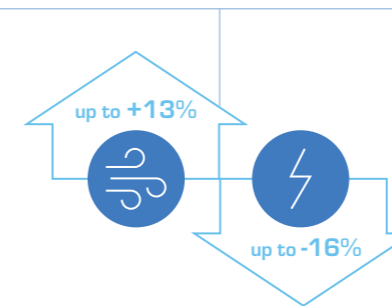
Competitive performance

The new MSA range uses a new state-of-the-art element, reaching exceptional levels of Free Air delivery and using less energy while doing so.



Connect and control

Your compressed air system is the essential workhorse that drives your production. But this doesn't mean that you have time to keep a close eye on it. The ES4000T controller monitors and manages your compressor's performance for you. Easy to use and loaded with connectivity features, the ES4000T sends compressor updates and service alerts to you, before they become a problem. When you need to keep going, the ES4000T helps ensure things run smoothly.



# Performance data

	MSA 5.5-15		
	Dimensions (mm)		
	Length	Width	Height
Floor Mounted	1000	665	1045
Tank Mounted 270L	1540	665	1535
Tank Mounted 270L+Dryer	1540	665	1535
Tank Mounted 500L	1940	665	1665
Tank Mounted 500L+Dryer	1940	665	1665

## BELT - FIX SPEED (50Hz) | MSA 5.5-15

Model	Max. Working Pressure			Reference Working Pressure			Free Air Delivery @ reference conditions*			Motor Power		Noise Level **	Weight		
	Bar	Bar	psig	m³/h	l/s	cfm	kW	hp	db(A)	PACK	FF TM 270L		FF TM 500L		
MSA 5.5	8	7.5	109	51	14.1	30	5.5	7.5	65	195	325	390			
	10	9.5	138	44	12.3	26									
	13	12.5	181	33	9.2	19									
MSA 7.5	8	7.5	109	75	20.7	44	7.5	10	66	215	345	410			
	10	9.5	138	68	18.9	40									
	13	12.5	181	53	14.6	31									
MSA 11	8	7.5	109	102	28.3	60	11	15	67	255	385	450			
	10	9.5	138	93	25.9	55									
	13	12.5	181	69	19.1	40									
MSA 15	8	7.5	109	131	36.4	77	15	20	68	310	440	505			
	10	9.5	138	119	33.0	70									
	13	12.5	181	97	27.0	57									

\* Unit performance measured according to ISO1217, Annex C, latest edition  
 \*\* Noise level measured according to ISO2151 2004.



# Customize your MSA

The MSA range has a lot of options to further adjust the compressor to your needs:



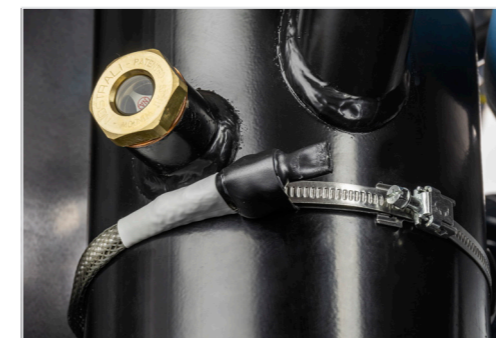
### Line filter

→ Can be added for high-quality air.



### Heavy Duty Air Inlet Filter

→ Reliable filtration in unclean environments.



### Oil heater

→ Prevents condensation formed due to intermittent use by maintaining a constant oil temperature while unloading/idle.



### Pressure conversion kit

→ Gives you the flexibility to store only 1 pressure variant.  
 → Make adjustments depending on the required pressure variant.

# A range of options

- Foodgrade oil
- Synthetic 8000h oil
- Oil coalescence line filter\*
- Tropical thermostat
- Heavy duty inlet filter
- Oil heater
- Water separator Drain + Electronic drain
- Water separator Drain + Floater drain
- Performance test certificate according ISO1217
- Upgrade to ES4000T
- Upgrade to ES4000T + ECO6i
- Pressure conversion kit (sales option only)

\*Only applicable for units with dryer.



Contact your local representative:

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

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#### 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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