



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

RMM 55-90 IVR, RMM 55-90, RMD 55-75 & RME 90



www.mark-compressors.com

MARK

Discover the new RMM 55-90 IVR, RMM 55-90, RMD 55-75 & RME 90 screw compressors

Connectivity and optimization leads to performance

The new range offers you increased performance and the reliability of the Mark brand. The advanced connectivity and the intuitive controller add intelligence, ease of use and the gathering of insights to your compressor. It will allow you to decrease operating costs and increase productivity based on your situation and needs.

Ready to discover our new compressors?



- 1 **Next generation screw elements**
 - They deliver superior performance and efficiency.
 - Improved rotor profile, reduced pressure losses.
 - In-house designed and produced.
- 2 **Infographic controller**
 - Intuitive full-color graphical display with touchscreen.
 - Integrated connectivity to help optimize and save energy.
 - In-house designed.



3 An integrated dryer (not for RMM)*

- For enhanced air quality and with a deduced footprint, up to 1/3 of a stand-alone dryer.
- Condensate removal at the source, minimizing pipework corrosion.
- Single service visit, reducing maintenance cost.
- No extra installation cost.

4 Casted oil separator vessel

- Integrated minimum pressure valve (MPV) eliminates risk of leakage.
- Designed for optimal oil separation and low oil carry over



5 Quality filtration

- Protecting internal components and increasing lifetime.
- Heavy duty air/oil/oil separator filters with long lifetime for low total cost of ownership.

6 Separate coolers

- Separate oil and air cooler for high-quality cooling and long lifetime of the coolers.
- Gliding rails for easy and safe removal.
- Easy access for cleaning.
- Integrated water separation for coolers used on machines with integrated dryers.



* Not shown on the picture.

Main features



New air end

- The compression element is in-house designed. Combined with an IE4 efficiency motor it leads to increased performance, lower compression temperature and high reliability.
- The Free Air Delivery is increased up to +4% and power consumption is reduced by up to -3%.
- The superior component design makes it fit for environments with ambient temperatures of up to 46°C.



High efficiency motor

- IE4 Super Premium efficiency class.
- IP66 protection against dust ingress.



Infographic controller

- Intuitive and easy-to-operate.
- Insight into the performance of your compressed air system – remotely and at any given moment.
- Control by maintaining the pressure between programmable limits.
- Programmed shutdown warnings to protect the unit.
- Programmed service time interval meter, informing the customer when service is due.



Easy installation and service

- Easily removable panels and quick access to all service parts guarantee effortless maintenance.
- Low maintenance costs.



Integrated dryers for better air quality (not for RMM)

- Units with an integrated dryer have a water separator drain to remove condensate from the cooler.
- Removing condensate improves the air quality.



The ES4000Touch controller: Gain full insight into your compressor system

The ES4000S features an intuitive user interface with simple symbols for easy navigation. For advanced user experience we suggest the ES4000T which has a state-of-the-art 4.3" full-color touchscreen.

But the ES4000S & ES4000T both take ease of use a step further. Thanks to the connectivity features you can check your compressor's service status anywhere, at any time, in real time and that improves the reliability of your overall operations.

Service interventions can be planned at the right moment and it avoids production downtime by detecting potential problems before they become a liability.



ICONS



The ICONS plan: all your compressor information direct to any device you want

Urgent servicing or an immediate intervention? With an ICONS plan, alerts are delivered from your controller straight to your computer, tablet or smartphone. Reduce the risk of downtime and other costs with a swift reaction to alerts.

A smart cooling system with more power

- Bigger air oil coolers make sure your compressor has a high cooling capacity, maximum cooling efficiency and increased reliability.
- The large fan improves the air flow and reduces operating temperature for enhanced reliability.



Built-in options



Air Quality

Integrated water separation drains
To ensure efficient condensate draining.

Tropical thermostatic valve
For the use in humid and hot conditions.

Freeze protection
Guarantees a certain oil temperature in the oil vessel to avoid condensation.

Integrated refrigerant dryer
Removes water condensate from the compressed air, minimizing the risk of product spoilage in your application.

Energy Saving

Integrated energy recovery
Recovers up to 75% of the heat energy formed during the compression process, which can be used to heat up water for boilers, showers, etc.

ECO2i – ECO4i – ECO6i
Integrated multiple compressor control for up to 6 compressors to reduce system pressure and energy consumption.



A range of options

- ▶ Water Separation drain
- Mechanical (Pack only)
- ▶ Integrated Energy Recovery
- ▶ Oil - 8000h oil synthetic
- ▶ Test report
- ▶ Water Separation drain
- Electronic
- ▶ Expansion Module
- ▶ Upgrade to Touch
- ▶ Prefilter Kit
- ▶ Power duct fan - AC*
- ▶ Oil preheater = freeze protection
- ▶ Oil - 4000h oil food grade
- ▶ ECO2i
- ▶ ECO4i
- ▶ ECO6i
- ▶ Tropical Thermostat
- ▶ Compressor running- L/uL signal
- Remote control

* Not on 90kW

Performance data

RMD 55-75 & RME 90 (50Hz)

Model	Max working pressure	Reference working pressure	Free air delivery @ reference conditions			Motor power		Noise level	Cooling air volume	Weight		Compressed air output diameter
	bar(g)	bar(g)	m³/h	l/s	cfm	kW	Hp	dB(A)	m³/h	STD kg	PLUS kg	
RMD55	7.5	7	626	174	368	55	75	71	10224	1308	1616	2 1/2"
	8.5	8	598	166	352	55	75	71	10224	1308	1616	2 1/2"
	10	9.5	536	149	316	55	75	70	10224	1308	1616	2 1/2"
	13	12.5	474	132	279	55	75	70	10224	1308	1616	2 1/2"
RMD75	7.5	7	808	224	475	75	100	73	10224	1417	1738	2 1/2"
	8.5	8	779	216	458	75	100	72	10224	1417	1738	2 1/2"
	10	9.5	720	200	424	75	100	73	10224	1417	1738	2 1/2"
	13	12.5	622	173	366	75	100	73	10224	1417	1738	2 1/2"
RME90	7.5	7	1020	283	601	90	120	72	15336	1566	1892	2 1/2"
	8.5	8	976	271	574	90	120	71	15336	1566	1892	2 1/2"
	10	9.5	901	250	530	90	120	73	15336	1566	1892	2 1/2"
	13	12.5	760	211	448	90	120	71	15336	1566	1892	2 1/2"

RMD 55-75 & RME 90 (60Hz)

Model	Max working pressure	Reference working pressure	Free air delivery @ reference conditions			Motor power		Noise level	Cooling air volume	Weight		Compressed air output diameter
	bar(g)	bar(g)	m³/h	l/s	cfm	kW	Hp	dB(A)	m³/h	STD kg	PLUS kg	
RMD55	6.9	7	636	177	375	55	75	71	10224	1308	1616	2 1/2"
	8.6	8	581	161	342	55	75	71	10224	1308	1616	2 1/2"
	10.3	9.5	553	154	325	55	75	73	10224	1308	1616	2 1/2"
	12	12.5	505	140	297	55	75	70	10224	1308	1616	2 1/2"
RMD75	6.9	7	815	226	480	75	100	73	10224	1417	1738	2 1/2"
	8.6	8	777	216	457	75	100	73	10224	1417	1738	2 1/2"
	10.3	9.5	704	195	414	75	100	73	10224	1417	1738	2 1/2"
	12	12.5	634	176	373	75	100	73	10224	1417	1738	2 1/2"
RME90	6.9	7	1058	294	623	90	120	72	15336	1566	1892	2 1/2"
	8.6	8	951	264	559	90	120	72	15336	1566	1892	2 1/2"
	10.3	9.5	872	242	513	90	120	71	15336	1566	1892	2 1/2"
	12	12.5	759	211	447	90	120	71	15336	1566	1892	2 1/2"

RMM 55-90 (50Hz)

Model	Max working pressure	Reference working pressure	Free air delivery @ reference conditions			Motor power		Noise level	Cooling air volume	Weight STD	Compressed air output diameter
	bar(g)	bar(g)	m³/h	l/s	cfm	kW	Hp	dB(A)	m³/h	kg	
RMM55	7.5	7	617	171	363	55	75	71	10224	1308	2 1/2"
	8.5	8	580	161	342	55	75	71	10224	1308	2 1/2"
	10	9.5	520	144	306	55	75	70	10224	1308	2 1/2"
RMM75	7.5	7	794	221	468	75	100	73	10224	1417	2 1/2"
	8.5	8	769	213	452	75	100	72	10224	1417	2 1/2"
	10	9.5	709	197	417	75	100	73	10224	1417	2 1/2"
RMM90	7.5	7	970	270	571	90	120	71	15336	1566	2 1/2"
	8.5	8	923	256	543	90	120	71	15336	1566	2 1/2"
	10	9.5	852	237	501	90	120	71	15336	1566	2 1/2"

RMM 55-90 (60Hz)

Model	Max working pressure	Reference working pressure	Free air delivery @ reference conditions			Motor power		Noise level	Cooling air volume	Weight STD	Compressed air output diameter
	bar(g)	bar(g)	m³/h	l/s	cfm	kW	Hp	dB(A)	m³/h	kg	
RMM55	7.4	6.9	622	173	366	55	75	71	10224	1308	2 1/2"
	9.1	8.6	564	157	332	55	75	70	10224	1308	2 1/2"
	10.8	10.3	523	145	308	55	75	70	10224	1308	2 1/2"
RMM75	7.4	6.9	804	223	473	75	100	73	10224	1417	2 1/2"
	9.1	8.6	754	209	444	75	100	73	10224	1417	2 1/2"
	10.8	10.3	692	192	407	75	100	73	10224	1417	2 1/2"
RMM90	7.4	6.9	973	270	573	90	120	71	15336	1566	2 1/2"
	9.1	8.6	899	250	529	90	120	72	15336	1566	2 1/2"
	10.8	10.3	806	224	474	90	120	71	15336	1566	2 1/2"

RMM 55-90 IVR

Model	Motor power		Working pressure	Min. Free air delivery (7bar)			Max. Free air delivery						Noise level	Cooling air volume	Weight	Compressed air output diameter
				7	7	7	7	7	7	9.5	9.5	9.5				
	kW	Hp	bar	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	dB(A)	m³/h	kg	
RMM55IVR	55	75	4-10bar	101	28	59	645	179	380	579	161	341	73*	10224	966	2 1/2"
RMM75IVR	75	100	4-10bar	97	27	57	772	214	454	714	198	420	74*	10224	995	2 1/2"
RMM90IVR	10.8	10.3	4-10bar	154	43	91	1041	289	613	914	254	538	72	10224	1148	2 1/2"

Dimensions (mm)

*measured with optional silencing baffle

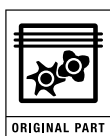
	Length	Width	Height
Without Dryer	2135	1221	1804
With Dryer *not for RMM	2979	1221	1804



Contact your local representative

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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