



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

RMA 7.5-15IVR, RMB 15-25, RMB 15-25IVR  
FIXED SPEED & VARIABLE SPEED



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



# RMA 7.5-15 IVR

## Direct driven

Compressed air drives your company. Consequently, choosing the right compressor is crucial. Going for our RMA IVR range of highly efficient and flexible oil-injected screw compressors is a choice you will not regret. Bring some fresh air into your company and enjoy the strong performance and high efficiency that come with it.

The new RMA IVR closely follows the air demand by automatically adjusting the motor speed. Combined with the innovative design of its direct driven transmission, this results in up to 35% of energy savings and drastically cuts down the lifecycle cost of the compressor by up to 25%.



## OPTIONAL AND STANDARD FEATURES

Options list	Factory	Sales
ES4000 Touch controller	✓	✓
ECO6i	✓	✓
Food grade oil	✓	✗
8000H oil	✓	✗
Internal water separator	✓	✓
ZERO LOSS drain + Water separator	✓	✓
Coalescent filter	✓	✗
Air receiver with timer drain	Standard	✗
Super silencing baffle	✓	✓
Wooden package	✓	✗

✓ = available  
✗ = not available

## USER BENEFITS

### Simple Installation

- Compact and all in one system
  - Installed on air receiver
  - Standard available dryers
  - Very low noise level
  - Easily installed in a compressor room or very close to the air usage point
  - Less than one square meter
- Compressed air quality can be improved by the cyclonic water separator
- Innovative design
- Easy and fully protected transport (wooden crate optional on request)
- No special foundation needed

### Solid Quality

Outstanding and first-class components:

- Highly reliable transmissions, for a quiet and trouble-free operation
- High capacity oil/air coolers, perfect air filtration and cooling guarantee less thermal shocks and a longer lifetime
- Overload protection and full automatic control
- High quality and heavy duty motor

### Saving of costs

- Lower energy consumption thanks to IVR technology and direct transmission
- Optimal efficiency, lubrication and cooling
- Long service intervals

### Easy Maintenance and Accessibility

- All service components located at the front of the machine for excellent accessibility
- Open the front door for easy access for servicing, cleaning the coolers or replacing oil filter, separator and air filter
- Oil-level eye at the front visible without removing the front panel
- Easy and quick check thanks to service door and controller
- Service and cleaning is a one person job

### Safety

- Emergency stop
- Protection grid
- IP 54 electrical cubicle
- Internal and external protection of the electric fan

## SMART TECHNICAL ADVANTAGES

The new direct drive IVR version grants very low specific energy requirements and one of the widest turndowns of its category.



**Very big air oil cooler and optimized air flow make for an efficient cool down**

The air and oil filters as well as the oil vessel are easy to be reached from the main front panel allowing for easy and fast servicing. Whereas the standard filtration panel already extends service intervals.

**Improved air quality**

thanks to

- the wet vessel and
- the oversized dryers



## YOUR ENERGY EFFICIENT AND SOLID PERFORMANCE

**RMA 7.5 - 15 IVR Direct driven**



- |                                |                      |                              |
|--------------------------------|----------------------|------------------------------|
| 1 Prefiltration panel          | 6 Electrical cubicle | 11 Fan motor                 |
| 2 Emergency stop               | 7 Converter          | 12 Direct transmission (IVR) |
| 3 ES4000 Touch/Swipe           | 8 Air filter         | 13 Prefilter                 |
| 4 Oil separator                | 9 Air end            | 14 Dryer                     |
| 5 Air tank with forklifts bars | 10 Motor             |                              |

## 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 CO<sub>2</sub> emissions.
- Receive high-quality energy reports ensuring the ISO50001 compliance of your site.



## TECHNICAL DATA

Variable speed	Min. working pressure	Max. working pressure	Free air delivery @ reference conditions *										Motor power	Noise level **	Cooling air flow	
			Min FAD					Max. FAD								
			7 bar		5 bar		7 bar		9.5 bar		12.5 bar					
Model	BAR / PSI	BAR / PSI	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	kW	hp	dB(A)	m³/h
RMA 7.5 IVR	5.5-80	12.5-181	16.3	9.4	75.5	43.8	73.5	42.7	63.5	36.9	50.0	29.0	7.5	10	62	2200
RMA 11 IVR	5.5-80	12.5-181	15.9	9.2	111.7	64.9	109.4	63.5	88.2	51.2	72.3	42.0	11	15	64	2200
RMA 15 IVR	5.5-80	12.5-181	15.5	9.0	137.2	79.7	133.0	77.2	111.5	64.8	83.6	48.5	15	20	65	2200

\* Free Air Delivery measured according ISO 1217 ed. 4 2009

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



## WEIGHT AND DIMENSIONS

Model	Weight (kg)				
	FM	270L tank	500L tank	270L tank D	500L tank D
RMA 7.5 IVR	227	319	393	353	427
RMA11 IVR	243	335	409	371	445
RMA 15 IVR	246	338	412	391	465

Variant	Dimensions (mm)		
	Length	Width	Height
FM	995	655	1045
TM 270L	1535	655	1535
TM 270L (with dryer)	1535	655	1550
TM 500L	1935	655	1665
TM 500L (with dryer)	1935	655	1680

# RMB 15 - 25 gear driven

# RMB 15 - 25 IVR direct driven



Compressed air drives your company. Consequently, choosing the right compressor is crucial. Going for our RMB and RMB IVR ranges of highly efficient and flexible oil-injected screw compressors is a choice you will not regret. Bring some fresh air into your company and enjoy the strong performance and high efficiency that come with it.

The new RMB IVR closely follows the air demand by automatically adjusting the motor speed. Combined with the innovative design of direct driven transmission, this results in average energy savings of 35% and an average cut of 25% in the lifecycle cost of a compressor.



## OPTIONAL AND STANDARD FEATURES

OPTIONS LIST	Factory
Oil 8000H	✓
Canopy heater *	✓
Food Grade oil	✓
Energy recovery *	✓
Heavy duty inlet filter	✓
Line filter G (with dryer version)	✓
Water separator drain (WSD) with floating drain	✓
Water separator drain (WSD) with automatic drain	✓
LD drain for water separator drain (WSD)	✓
Phase sequence relay	STD
Wooden crate	✓
Graphic controller	✓
Silencing baffle	✓
ECO6I multilogic connection	✓

✓ = available  
\* invalid combination

## USER BENEFITS

### Simple Installation

- Compact and all in one system, thanks to the oversized integrated dryers. Compressed air quality can be improved by the cyclonic water separator and the coalescent filter is available as an option.
- Innovative design
- Easy and fully protected transport
- No special foundation needed

### Solid Quality

- Outstanding and first-class components:
- Highly reliable transmissions, for a quiet and trouble-free operation.
  - High capacity oil/air coolers, perfect air filtration and cooling guarantee less thermal shocks and a longer lifetime.
  - Overload protection and full automatic control.
  - High quality and heavy duty motor.

### Saving of costs

- Lower energy consumption thanks to IE3 motors or IVR technology
- Optimal efficiency, lubrication and cooling
- Long service intervals

### Easy Maintenance and Accessibility

- All service components are located at the front of the machine for excellent accessibility, you just have to open the frontal door for an easy access for service or cleaning, easy access of the coolers, oil filter, separator and air filter replacements.
- Oil-level eye at the front
- Easy and quick check thanks to service door and controller
- Service and cleaning is a one person job

### Safety

- Emergency stop
- Protection grid
- IP 54 electrical cubicle
- Internal and external protection for the electric fan.

## SMART TECHNICAL ADVANTAGES

### Customize your machines through a wide range of options:

- Energy recovery to recover energy and reduce your energy bill
- Canopy heaters for low temperature installation



### The energy cutter:

The new direct driven IVR version grants very low specific energy requirements and one of the widest turndowns of its category.

### Very big air oil cooler and optimized air flow

Grant a very efficient cool down. Standard filtration panel extending service intervals. Air and oil filters and the oil vessel are easy to reach from the main door making serviceability very easy and fast.

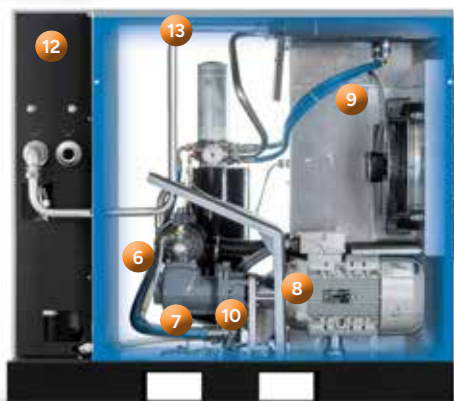


### ES 4000 Swipe & Touch

All IVR models with ES4000 Touch and fix speed models with ES4000 Swipe. (Touch as option for fix speed models.)

## OUTSTANDING AND FIRST-CLASS COMPONENTS

RMB 15 - 25 gear driven / RMB 15 - 25 IVR direct driven



- |                      |                              |
|----------------------|------------------------------|
| 1 Cooling air filter | 8 Motor                      |
| 2 Emergency stop     | 9 Fan motor                  |
| 3 Controller         | 10 Gear box (FS)             |
| 4 Oil separator      | 11 Direct transmission (IVR) |
| 5 Converter          | 12 Dryer                     |
| 6 Air filter         | 13 Water separator drain     |
| 7 Air end            |                              |

# TECHNICAL DATA - RMB 15 - 25 (IVR)

## Fixed speed

Fixed speed	Max. working pressure ***		Free air delivery @ reference conditions*				Motor power		Noise level **	Weight (kg)		
	Model	BAR	PSI	m³/h	l/s	l/min	cfm	kW		hp	FM	FM D
RMB 15	7.5	109	162	44.9	2696	95						
	8.5	123	152	42.3	2536	90						
	10	145	136	37.8	2266	80						
	13	189	117	32.4	1946	69						
RMB 18	7.5	109	199	55.3	3317	117						
	8.5	123	189	52.4	3144	111						
	10	145	175	48.7	2922	103						
	13	189	137	38.0	2279	80						
RMB 21	7.5	109	231	64.3	3858	136						
	8.5	123	224	62.4	3741	132						
	10	145	198	54.9	3294	116						
	13	189	167	46.5	2790	99						
RMB 25	7.5	109	253	70.2	4210	149						
	8.5	123	239	66.4	3987	141						
	10	145	224	62.1	3728	132						
	13	189	196	54.4	3263	115						

\* 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 - 8 - 9.5 - 12.5 bar

## Variable speed

Variable speed	Min. working pressure	Max. working pressure	Free air delivery @ reference conditions *															Motor power	Noise level **	Weight (kg)					
			Min FAD *					Max. FAD *																	
			7 bar		7 bar			8.5 bar		9.5 bar			12.5 bar												
Model	Bar	PSI	Bar	PSI	m³/h	l/s	l/min	m³/h	l/s	l/min	m³/h	l/s	l/min	m³/h	l/s	l/min	m³/h	l/s	l/min	kW	hp	dB(A)	FM	FM D	500L D
RMB 15 IVR	5.5	80	13	189	47	13	780	175	48.5	2911	157	43.7	2620	149	41.5	2489	128	35.6	2138	15	20	68	310	355	530
RMB 18 IVR	5.5	80	13	189	47	13	780	210	58.4	3505	194	53.8	3225	182	50.5	3029	146	40.6	2435	18.5	25	70	325	375	550
RMB 21 IVR	5.5	80	13	189	47	13	780	235	65.3	3920	216	60.1	3606	203	56.4	3386	182	50.5	3029	22	30	71	330	385	560
RMB 25 IVR	5.5	80	13	189	47	13	780	249	69.3	4158	233	64.8	3891	225	62.4	3742	196	54.5	3267	26	35	72	350	400	575

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

\*\* Noise level measured according to ISO2151:2004 using ISO 9614/2

## Dimensions

Model Fixed + Variable speed	Dimensions		
	Length (mm)	Width (mm)	Height (mm)
Floor Mounted	1200	835	1220
Floor Mounted + Dryer	1450	835	1220
500L - Dryer	1940	835	1835



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# Contact your local representative:

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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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