



# RVD



**7-11 kW | 10-15 HP**

DIRECT-DRIVE FIXED-SPEED ROTARY VANE AIR COMPRESSORS



The **MATTEI® Rotary Vane Direct-Drive (RVD)** Series of advanced volumetric air compressors are engineered to be one of the most energy efficient, single-stage, fixed-speed, air compressors in the world. RVD Series, eliminates problematic belt and sheave drive transmissions by using a simple jaw-coupling that connects a high-efficiency TEFC motor to the most robust and long-lasting air compressor design found anywhere on the planet.

**RVD Series compressors** leverage the legendary durability of Mattei's proprietary Rotary Vane Technology in delivering a rugged and reliable direct-drive solution with unrivaled performance and exceptional value to the 7/11 kW | 10/15 HP, 60 hertz marketplace.

## Get your "VANE GAIN"

Only Mattei's rotary vane technology is proven to be even more energy efficient the longer it runs.

We call it **VANE GAIN**. Third party testing confirms that our lifetime-rated cast-iron blades begin to season from the moment you turn it on.

What does that mean to you? Simple. Our VANE lets you GAIN lower energy costs over time - an exclusive benefit found ONLY in Mattei's proprietary rotary vane technology.

## "Simply Different"

## DIRECT-DRIVE vs BELT-DRIVE

You may have heard the adage, "you get what you pay for." And, so it is with our proprietary vane technology. We invite you to discover how you and your company's bottom line, could profit for many years to come in choosing Mattei's proprietary **DIRECT-DRIVE Rotary Vane Technology**.

In this size range of air compressors, **our competitors** can ONLY offer you commercial grade **BELT-DRIVE** construction. RVD Series, affords you the opportunity to upgrade to industrial grade direct-drive construction, just like we deploy in all of our big heavy duty compressors.

Don't be fooled into accepting a lower quality belt-drive compressor, and the added maintenance that comes with them. If you want the best for your operation you have but one choice.

**Get a Mattei.**



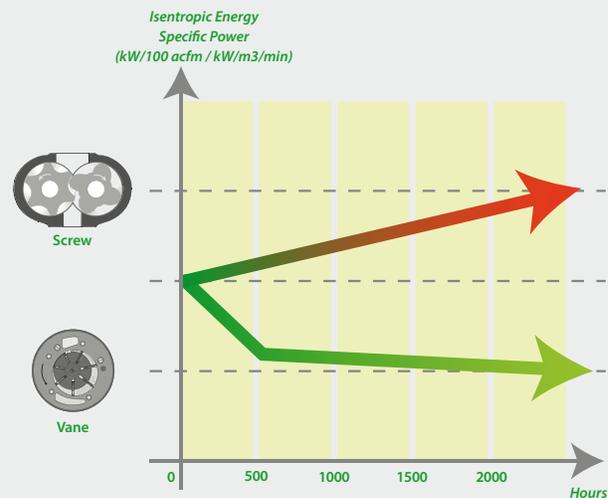
## AFTER ALL, “NOBODY ELSE..”

- ▶ 1. Crafted an air aircend that does NOT need to be rebuilt (saves you about 50% of your initial purchase price in future repairs).
- ▶ 2. Designs an air compressor that costs LESS to operate over time (only VANE GAIN lowers your future energy costs).
- ▶ 3. Manufactures an air compressor that can operate >100,000 hours without a planned overhaul.

...NOBODY, EXCEPT a Mattei direct-drive rotary vane air compressor.

## GET YOUR VANE GAIN

VANE GAIN = LOWER ENERGY COSTS



## LEAD OR FOLLOW

You built your business by being a leader. You ignored the naysayers. You focused on delivering a distinct advantage to potential clients and, you took the necessary steps to minimize your costs. You made investments designed to help you improve your bottom line over time.

So, what do you want out of an air compressor? Do you...

- ▶ ... view it like a car and cannot wait to be able to buy the “latest” model?
- ▶ ... figure “they are all the same” and only care about the initial purchase price?
- ▶ ... select a specific compression technology because “everybody else claims it is the best?”

Or do you view the air compressor as “The 4th Utility” in knowing that if your air compressor goes down, so does your business? It is, after all, a critical piece of infrastructure much like electricity, water, and communications.

As a leader, you would have researched the technologies, performed your due diligence, and chose to invest in a piece of equipment that was engineered to provide you with unheard of energy efficiency, uncommon reliability and, a level of durability that means you will most likely pass your compressor along to the next generation.

LET US BE FRANK.

If having “the same thing as everyone else” and/or focusing only on the lowest initial purchase price is what you want then, Mattei’s legendary rotary vane technology may be outside your comfort zone. But, if you are a true entrepreneur with an analytical mind that wants the best value you can find for your hard-earned money – then, read on. Vane Technology, offers you something that is “Simply Different” and, explains why leaders such as you tend to prefer to, “Get a Mattei”.

# RVD 7 - 11



### 1. MAESTRO XB CONTROLLER

The “brains” that directs, manages, and monitors all aspects of system logic. Automatic Restart in event of power failure, programmable Start/Stop timers, Lead/Lag/ Alternation control (up to 4 compressors), Maintenance Reminders, Phase Reversal Protection– all standard.



### 2. OIL FILTER & OIL SEPARATOR FILTER

Durable steel tubing complements “spin-on” filters to ensure fast, easy filter changes. Air/oil Separator filter polishes the air to 1 to 3 PPM w/w.



### 3. CONTROL VALVES

Centralized easy-to-access valve block incorporates o-ring seals and integrates: off load, vacuum relief and, Mattei’s “set it and forget it” hydraulically controlled Servo valve – a Mattei exclusive!



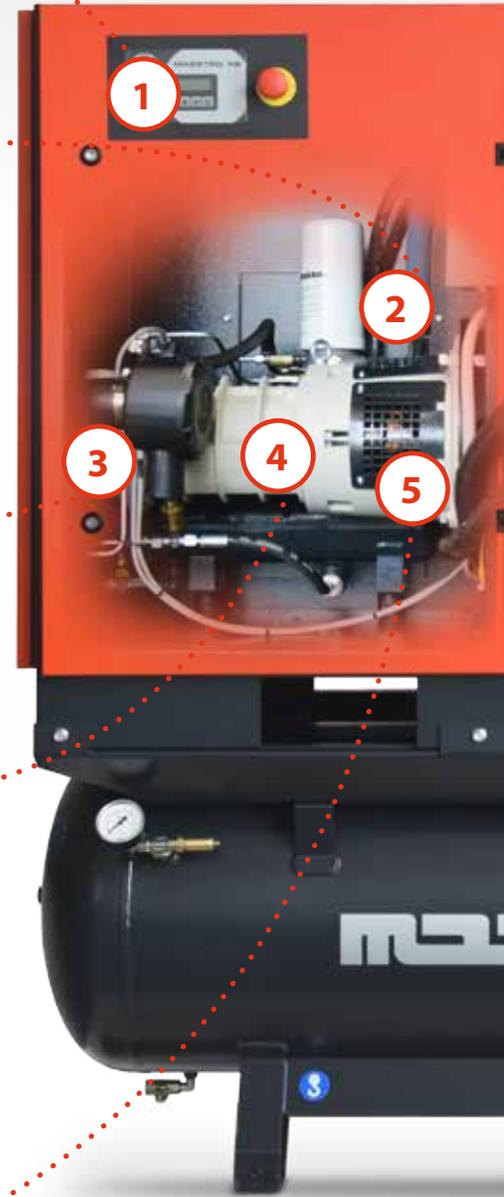
### 4. ROTOR STATOR UNIT (RSU)

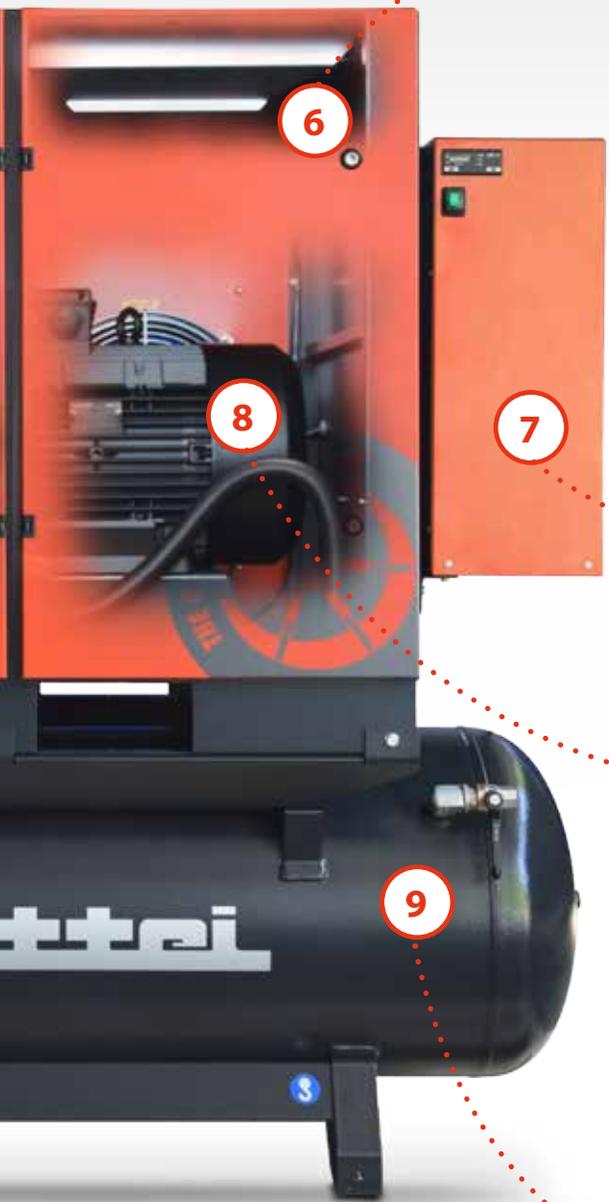
Proprietary “bearing-less RSU” incorporates “no wear vanes” and, “no wear bushes,” in a design devoid of thrust forces. Engineered for >100,000 hours of operation without an overhaul.



### 5. DIRECT-DRIVE COUPLING

Easy-access flexible coupling-element connects compressor shaft to drive motor shaft. Eliminates power robbing gear or belt losses and high maintenance costs.





**6. RADIATOR/COOLING FAN/MOISTURE SEPARATOR**

Sized for +115°F (+46°C) ambient. VSD controlled cooling fan motor ensures precise operating temperature control. Fan blades feature “whale fin” trailing edge technology for silent operation. Moisture separator with electronic Zero Loss drain is standard.



**7. OPTIONAL MOUNTED REFRIGERATED AIR DRYER**

Non-cycling refrigerated air dryer is sized for 120oF inlet temperature to guarantee super dry air even during the heat of summer.



**8. DRIVE MOTOR & STARTER**

High-efficiency, TEFC, 4-pole drive motors maximize energy efficiency. Wye-delta motor starters soften the jolt of starting to reduce wear and tear, slash demand charges and deliver reliability to “high leg” phases.



**9. OPTIONAL AIR RECEIVER**

Available in 80- or 120-gallon storage volume to give you more air “ready to go” when you need it and, to lower energy costs thanks to larger capacity-to-storage sizing ratios.

# RVD 7 - 11



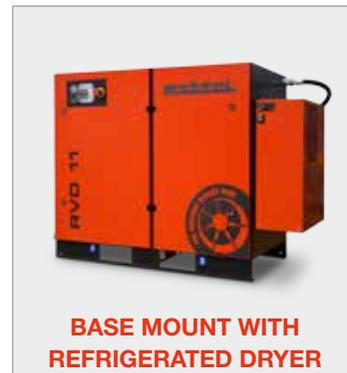
TANK MOUNT



BASE MOUNT



TANK MOUNT WITH REFRIGERATED DRYER



BASE MOUNT WITH REFRIGERATED DRYER

Model	Power	145 psig HX	Energy	Air receiver	Bolt-on Refrigerated Air Dryer	Sound pressure level	Length	Width	Height	Weight
	hp	acfm	voltage	gallon		db(A)	inch	inch	inch	lbs

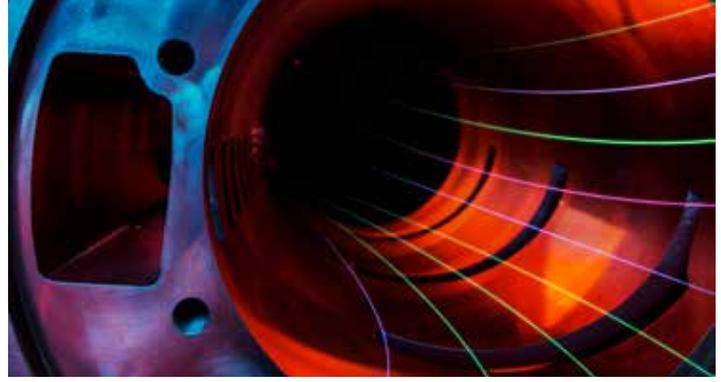
## DIRECT-DRIVE RVD SERIES - AIR COOLED

RVD 7	10	40.2	208,230/ 460/ 3ph/60hz	-	-	66	46	30	39	595
RVD 7 E	10	40.2		-	x	66	56	31	39	668
RVD 7 S	10	40.2		80	-	66	63	32	62	895
RVD 7 S 120	10	40.2		120	-	66	67	32	64	970
RVD 7 SE	10	40.2		80	x	66	63	32	62	979
RVD 7 SE 120	10	40.2		120	x	66	67	32	64	1129

RVD 11	15	54.7	208,230/ 460/ 3ph/60hz	-	-	66	46	30	39	679
RVD 11 E	15	54.7		-	x	66	56	31	39	763
RVD 11 S	15	54.7		80	-	66	63	32	62	1079
RVD 11 S 120	15	54.7		120	-	66	67	32	64	1154
RVD 11 SE	15	54.7		80	x	66	63	32	62	1192
RVD 11 SE 120	15	54.7		120	x	66	67	32	64	1267

F.A.D. in accordance with ISO 1217, annex "C" | Sound pressure level according to ISO 2151, tolerance ± 3dB(A)

Working pressure: 138 psig for 145 psig version



## Get MyCare 6 & 10 Extended Warranty Coverage

Standard warranty is one (1) year, bumper-to-bumper covering parts and labor against defects in materials and workmanship.

In addition, your RVD 7 - 11 direct-drive air compressor is eligible for our MyCare 6 & 10 extended warranty program at NO additional cost to you.



### WHAT YOU GAIN WITH MYCARE 6 & 10

The MyCare 6 program doubles the bumper-to-bumper protection to two (2) years and, covers the major components: Motor, Coolers, Controller, Oil Separator Tank, Inverter and Rotor Stator Unit (RSU or Airend), for a total of six (6) years. The MyCare 10 component is offered for our direct-drive industrial compressors and covers the Rotor Stator Unit (RSU or Airend) for an additional three (3) years, years seven (7) through ten (10).

### HOW YOU GET MYCARE 6 & 10

To choose your **MyCare 6 & 10** extended warranty plan, simply check the MyCare 6 & 10 box during the start-up and commissioning process for your new Mattei air compressor as performed by a local Authorized Mattei Distributor.

### MYCARE 6 & 10: TAILORED TO YOUR NEEDS

The program is built around your specific environment and anticipated hours of operation.

Authorized Mattei Distributors, are factory trained to ensure you get fast courteous service. They know what to look for to ensure you place your compressor in the best possible environment to ensure years of great service from your Mattei. The Technicians that inspect, start-up and commission your Mattei, are experienced in recommending the proper service program based on your specific environment. They want to get the job done quickly and correctly and will only recommend service intervals that they know will keep you happy and up and running between scheduled visits.

### YOUR GOAL IS OUR GOAL

Our mutual goal is to ensure that your investment is properly maintained. This allows us to guarantee you will get the longest service life out of it while enjoying the lowest operating costs for years to come.

Mattei, simply wants you to benefit from the peace-of-mind in knowing that Mattei and your local Distributor have your best interests at heart right from the start.

### GENUINE ORIGINAL PARTS & LUBRICANTS

Mattei compressors are engineered for many years of service. Our lubricants are engineered and custom blended to ensure that those lifetime-rated blades ride on a thin film of lubricant to prevent any wear and tear to the compressor. Authorized Mattei Service Centers employ qualified service engineers that carry specific tooling and stock Genuine Mattei Parts and Lubricants made to very high design standards that conform to exact technical specifications. Only through the use of Genuine Mattei Parts and Lubricants can you be guaranteed the protection you deserve and the highest levels of performance, reliability, safety and the lower energy costs of the future that were originally engineered into your Mattei air compressor.





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