



Worthington
Creyssensac

CONNECTING COST EFFICIENCY AND PERFORMANCE



ROLLAIR 60V-125V PM & ROLLAIR 75-125
OIL INJECTED SCREW COMPRESSORS


www.airwco.com

EXPERIENCE THE NEW ROLLAIR 60V-125V PM & ROLLAIR 75-125 SCREW COMPRESSORS

CONNECTING COST EFFICIENCY AND PERFORMANCE

The new range offers you excellent performance, plug-and-play installation and the reliability you can expect from the Worthington Creyssensac brand. The advanced connectivity adds intelligence to your compressor, allowing you to decrease operating costs further while increasing productivity.

READY TO DISCOVER
OUR NEW COMPRESSORS?



↑ IMPROVED PERFORMANCE

Built with the newest technology, our compressor range features IE4 motors which are the best in order to reach high performance and energy cost savings.

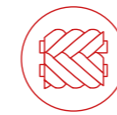
↑ KNOWN WCO RELIABILITY

Our brand has always been valued for their excellent reliability. This is also something you can expect from the new range, plus that little bit more.

↑ STAY CONNECTED

The Airlogic²T controller gives you insight into the performance of your compressed air system – remotely and at any given moment – allowing you to make smarter use of your resources.

MAIN FEATURES



New air end

- The in-house designed compression element, combined with an IE4 efficiency motor, comes with 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% thanks to the improved product selection and our in-house designed compressor element.
- Fit for environments with ambient temperatures of up to 46°C due to superior component design.



Airlogic²T

- An intuitive and easy-to-operate control system gives you an insight into the performance of your compressed air system – remotely and at any given moment.
- Controls the unit by maintaining the pressure between programmable limits.
- Protects the unit thanks to the programmed shutdown warnings.
- Maintains the unit thanks to our programmed service time interval meter, informing the customer when service is due.



Easy installation and service

- Effortless maintenance thanks to the easily removable panels and quick access to all service parts.
- Low maintenance costs.



Silencing baffle

- Guarantees reduced noise levels.
- Even more important when operating the compressor close to the point-of-use.



In-house designed components

- The spring-controlled unloader valve includes a more precise mechanism that allows to release excess pressure in a more reliable way.



Air quality

- A water separator drain comes as standard on units with an integrated dryer.
- Removes the condensate formed in the cooler as the compressed air is cooled.
- Improves the air quality.



Integrated dryers

- The whole Industrial range is now available with integrated dryers.
- Internal Water Separator integrated in air cooler for machines with integrated dryer.



High efficiency motor

- IE4 Super Premium efficiency class.
- Oil-cooled PM – aircooled induction.
- IP66 protection against dust ingress.
- Introducing the 90kW PM machine will complete the PM range.



YOUR PARTNER IN SUSTAINABILITY

We only have this one planet. That is why sustainability guides everything we do at Worthington Creyssensac. The innovations we develop and the products we build are geared towards reducing your energy consumption and your CO₂ footprint, and helping the environment all of us share. Supporting your sustainable operation is our number one priority.

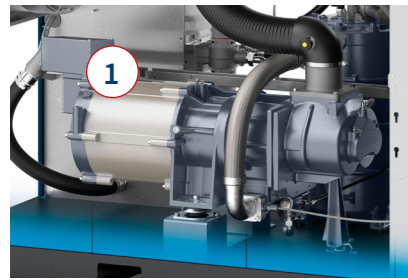


GENEROUS AND SMART COOLING SYSTEM

- Bigger air oil coolers have been selected, resulting in a high cooling capacity, maximum cooling efficiency and increased reliability.
- The large fan provides forced ventilation and conveyed flows, improving the air flow and reducing operating temperature for enhanced reliability.

10 REASONS TO CHOOSE ROLLAIR

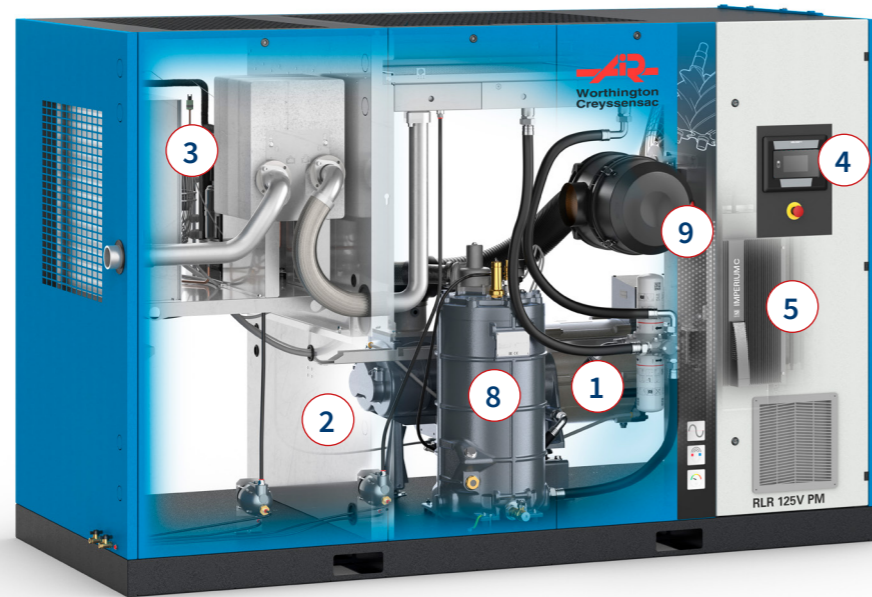
The Rollair range is the result of dedicated investments in R&D and in-house developed key components. By maximizing performance, energy efficiency and reliability of each individual component we have ensured that the final result is our most innovative compressor to date.



- 1 Interior Permanent Magnet (iPM) motor**
- IE4 Super Premium Efficiency.
 - Oil-cooled, optimal cooling at all speeds.
 - IP66, highest possible protection against dust ingress.
 - In-house designed.

- 2 New generation screw elements**
- Superior performance and efficiency.
 - Improved rotor profile, reduced pressure losses.
 - In-house designed and produced in Belgium.

- 3 Integrated dryer**
- Enhanced air quality
 - Condensate removal at the source, minimizing pipework corrosion
 - Reduced footprint, up to 1/3 of a standalone dryer
 - Single service visit, reducing maintenance cost
 - No installation cost



- 4 Airlogic² T touchscreen controller**
- Easy-to-use full-color graphical display with touchscreen.
 - Integrated connectivity helps optimizing and save energy.
 - In-house designed.

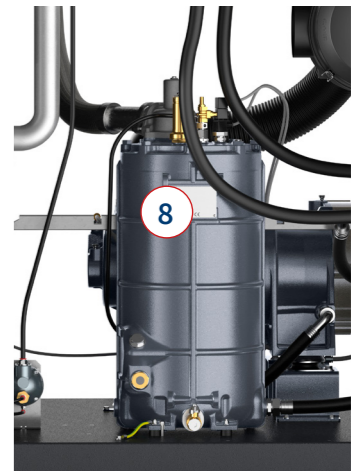
- 5 Imperium - Variable Speed Technology**
- Robust industrial design with IP5X protection.
 - Tailor-made for screw compressor applications.
 - In-house designed.



- 6 Proven inlet valve**
- Optimizing the inlet flow to the screw element.
 - Maintenance-free, low total cost of ownership.
 - In-house designed.

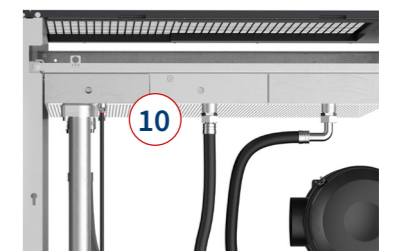
- 7 Solid inlet baffle**
- Filters mats pre-filter incoming air, ensuring superior air quality.
 - Highly efficient and low noise axial fan as standard.

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

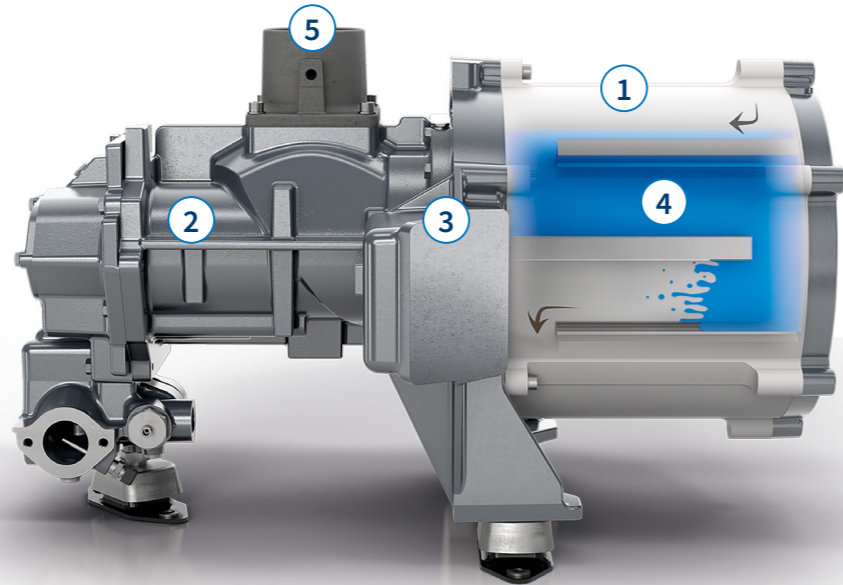


- 9 Quality filtration**
- Protecting internal components and increasing lifetime.
 - Heavy duty air/oil/oil separator filters with long lifetime for low total cost of ownership.

- 10 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.



REVOLUTIONARY DRIVE TRAIN TECHNOLOGY



↑ IMPROVED ENERGY EFFICIENCY SAVES YOU MONEY

- In-house designed iPM motor **(1)** with IE4 Super Premium Efficiency.
- New generation in-house designed screw elements **(2)**, with improved efficiency.
- Integrated direct drive transmission **(3)** for minimal losses.
- Smart inlet valve **(5)** optimizes the inlet flow and improves efficiency.

↑ INCREASED RELIABILITY EXTENDS LIFETIME

- iPM motor **(1)** rated IP66, premium protection against dust and water ingress.
- Globally renowned screw elements **(2)**, proven in thousands of installations.
- Optimal cooling at all speeds and conditions thanks to oil-cooling principle **(4)** of the iPM motor **(1)**.

↑ MAINTENANCE-FREE DESIGN MINIMIZES DOWNTIME AND IMPROVES YOUR PRODUCTIVITY

- No (re)grease(ing) of the motor **(1)** bearing needed.
- Coupling-free direct drive design **(3)**, no maintenance needed.
- Smart inlet valve **(5)**, no maintenance needed.



A BIG LEAP IN ENERGY EFFICIENCY

WHY ENERGY EFFICIENCY?

Energy costs represent about 70% of the total operating cost of your compressor over a 5-year period.

WHY VARIABLE SPEED COMPRESSORS?

By matching the air supply to the air demand, unload losses are avoided, and energy costs reduced on average by 30%.

WHY INVEST IN ROLLAIR V PM?

Imperium variable speed technology combined with iPM motor technology evolved the energy efficiency of variable speed compressors to a new level, resulting in energy savings of up to 45%.



3%
Installation

77%
Energy consumption

45%
Fixed speed technology

8%
Service

12%
Investment

How much energy could you save in your existing compressor installation?

Contact us for an energy audit. We will measure the air demand and energy consumption of your existing installation and generate a detailed report at the end. Based on your specific situation we can simulate and show how much your energy costs would reduce with a Rollair V PM. If you would decide to invest in a Rollair V PM, you can expect a typical payback of 1-2 years.

EQUIPPED WITH THE AIRLOGIC²T CONTROLLER BRINGING YOU A NEXT-LEVEL, RUGGED AND INTUITIVE DISPLAY.

The new Airlogic²T is an incredible state-of-the-art compressor controller. But more than this, it means ease of use, peace of mind, and performance optimisation. In combination with our ICONS Intelligent Connectivity System, the Airlogic²T allows you to improve both the reliability and efficiency of your production process.

- BIG, EASY TO USE 4" TOUCH CONTROL WITH A SIMPLIFIED LAY-OUT
- THE COMPRESSOR IS PROTECTED WITH SENSORS TO IMMEDIATELY ALERT YOU WHEN SOMETHING IS WRONG
- CLEAR OVERVIEW OF ALL PARAMETERS AND SERVICE INTERVALS



- PLAN MAINTENANCE INTERVENTIONS AT THE RIGHT TIME, GUARANTEE SYSTEM UPTIME AND ELIMINATE BREAKDOWN RISKS
- DESIGNED FOR INTUITIVE USE IN HEAVY DUTY ENVIRONMENTS

ICONS

INCREASED UPTIME, POWERED BY ICONS

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

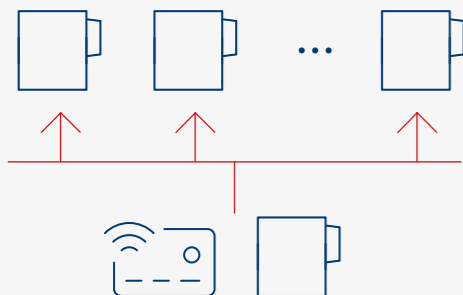
The new range of compressors can be fully connected.



EControl6i

THE OPTIONAL ECO6i CONTROLLER ALLOWS YOU TO OPTIMIZE BOTH WORKLOAD AND ENERGY CONSUMPTION.

Do you operate more than 2 compressors? The Airlogic²T can act as a master controller thanks to its built-in **EControl6i** functionality. Reduce service costs by evenly distributing running hours over your compressors and save energy by using one pressure band for your entire compressor room.



BUILT-IN OPTIONS



AIR QUALITY

Integrated water separation drains
Ensures efficient condensate removal.

Tropical thermostatic valve
For use in humid and hot conditions.

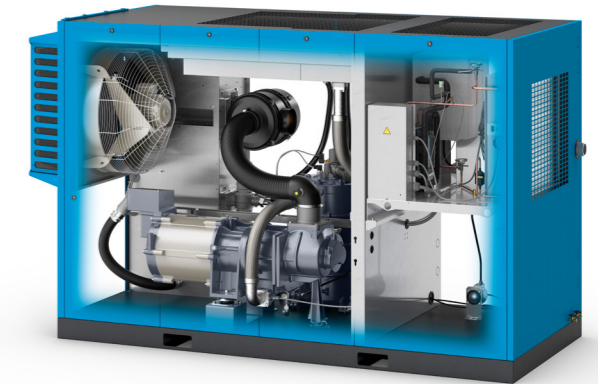
Freeze protection
Guarantees a certain oil temperature in the oil vessel to avoid condensation.

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 reduces system pressure and energy consumption.



A RANGE OF OPTIONS

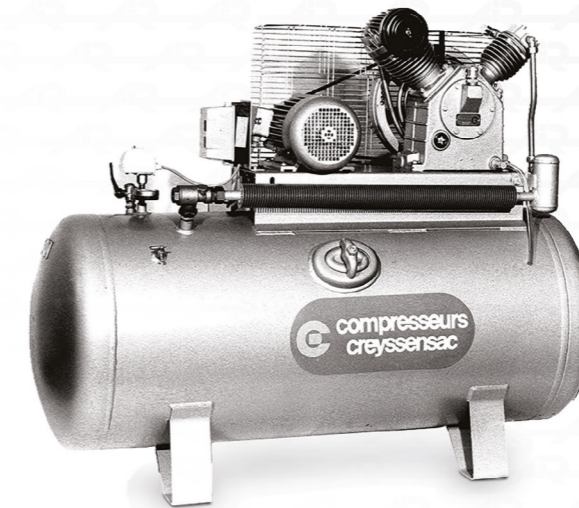
- FULL FEATURE MACHINES
- WATERCOOLING
- WATER SEPARATION DRAIN - MECHANICAL (PACK ONLY)
- INTEGRATED ENERGY RECOVERY
- OIL - 8000H OIL SYNTHETIC
- TEST REPORT
- WATER SEPARATION DRAIN - ELECTRONIC
- EXPANSION MODULE
- PREFILTER KIT
- POWER DUCT FAN - AC*
- OIL PREHEATER = FREEZE PROTECTION
- OIL - 4000H OIL FOOD GRADE
- COMPRESSOR RUNNING- L/ULSIGNAL - REMOTE CONTROL
- ECO2i
- ECO4i
- ECO6i
- TROPICAL THERMOSTAT
- EMC FILTER

* Not on 90kW

PERFORMANCE DATA

Fixed speed Rollair 75-125

WCO	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	PLUS	
Rollair75	7.5	7	626	174	369	55	75	71	2.62	1123	1431	2 1/2"
	8.5	8	598	166	352	55	75	71	2.62	1123	1431	2 1/2"
	10	9.5	536	149	316	55	75	70	2.62	1123	1431	2 1/2"
	13	12.5	475	132	280	55	75	70	2.62	1123	1431	2 1/2"
Rollair100E	7.5	7	806	224	475	75	100	73	2.62	1189	1510	2 1/2"
	8.5	8	778	216	458	75	100	72	2.62	1189	1510	2 1/2"
	10	9.5	720	200	424	75	100	73	2.62	1189	1510	2 1/2"
	13	12.5	623	173	367	75	100	73	2.62	1189	1510	2 1/2"
Rollair100	7.5	7	901	250	530	75	100	71	2.62	1284	1605	2 1/2"
	8.5	8	829	230	488	75	100	71	2.62	1284	1605	2 1/2"
	10	9.5	763	212	449	75	100	71	2.62	1284	1605	2 1/2"
	13	12.5	662	184	390	75	100	72	2.62	1284	1605	2 1/2"
Rollair125	7.5	7	1021	284	601	90	120	72	3.52	1346	1672	2 1/2"
	8.5	8	976	271	574	90	120	71	3.52	1346	1672	2 1/2"
	10	9.5	911	253	536	90	120	73	3.52	1346	1672	2 1/2"
	13	12.5	770	214	453	90	120	71	3.52	1346	1672	2 1/2"



WORTHINGTON CREYSSENSAC'S HERITAGE

Creyssensac was founded in Nanterre (near Paris), France in 1934 by Elie Creyssensac and quickly became renowned in the automotive industry for developing high quality piston compressors. In the mid nineteen sixties, screw compressors were added to the product portfolio while 1973 saw the merge with Worthington. This further expanded the influence of the company in the compressed air world and reinforced the distributor network.

Today, its long-standing experience and continuous innovation ensure Worthington Creyssensac is a trusted partner for its customers.

Variable speed Rollair 60V-125V PM

WCO	Motor power		Working pressure	Min. Free air delivery (7bar)			Max. Free air delivery								
	kW	Hp		bar	7	7	7	7	7	7	9.5	9.5	9.5	12.5	12.5
			m³/h		l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm
Rollair60V PM	45	60	4-13bar	101	28	59	545	151	320	482	134	284	403	112	237
Rollair75V PM	55	75	4-13bar	104	29	61	657	183	387	576	160	339	490	136	288
Rollair100EV PM	75	100	4-13bar	104	29	61	791	220	465	706	196	415	598	166	352
RLR100V PM	75	100	4-13bar	169	47	100	936	260	551	835	232	492	688	191	405
Rollair125V PM	90	120	4-13bar	169	47	100	1069	297	629	950	264	559	767	213	451

WCO	Noise level	Cooling air volume	Weight		Compressed air output diameter
	dB(A)		m³/s	STD	
Rollair60V PM	70	2.62	956	1264	2 1/2"
Rollair75V PM	70	2.62	966	1274	2 1/2"
Rollair100EV PM	72	2.62	986	1307	2 1/2"
RLR100V PM	71	2.62	1119	1440	2 1/2"
Rollair125V PM	72	3.52	1132	1458	2 1/2"

BECAUSE IMPROVEMENT NEVER STOPS



Contact your local Worthington Creyssensac representative



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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