Worthington Creyssensac

BECAUSE IMPROVEMENT NEVER STOPS

ROLLAIR 20-34, ROLLAIR 10-34 V, ROLLAIR 10-30 V PM,
OIL-INJECTED SCREW COMPRESSORS

www.airwco.com

How do you make a best-in-class compressor range even better? By adding unmatched efficiency. Worthington Creyssensac's smallest screw compressors, the Rollair 20-34 kW fixed-speed and the Rollair 10-34 V Variable Speed Drive already gave you a lifetime of premium performance. The new Rollair 10-30 V PM and its iPM technology now offer you double-digit energy savings and a smaller environmental footprint. Compact and quiet, all three models can be used in your compressor room or at the point of use, as a primary or as a complementary compressor. So no matter how tough your requirements, our most versatile rotary screw compressor is sure to meet them.

PERFORMANCE

- Up to 45% energy savings with Rollair 10-30 V PM's IE4 iPM motor (compared to fixed-speed).
- Up to 17% improved energy efficiency with new iPM technology (compared to VSD).
- Reliable operation, even in ambient temperatures up to 46°C.
- The IP54-enclosed drive train safeguards performance in dusty and humid conditions.
- Direct drive VSD and iPM drive ensure reliable performance.
- Sound levels as low as 62 dB(A).
- Advanced Airlogic²T touchscreen controller maximizes performance and efficiency.

FLEXIBILITY

- From 20-34 kW with a pressure range between 4 and 13 bar.
- Available with iPM, Variable Speed Drive and fixed-speed drive train technology.
- Floor-mounted or tank-mounted models, with or without integrated dryer.
- Multiple tank sizes available.
- Can be installed in your compressor room or at the point of use.
- Flexible customization with wide range of options.

A VERSATILE RANGE

ROLLAIR 20-34 FIXED-SPEED

- Superior technology compared to belt drive thanks to in-house air end design and gearbox technology.
- Built for long duty cycles and continuous operation.
- IP55, class F IE3 motor, ideal for operation in tough conditions.
- Robust and silent design.
- Payback within 2 years for upgrade from belt drive to gear drive.

+ TCO* SAVINGS
PERFORMANCE

ROLLAIR 10-34 V VARIABLE SPEED

- Direct-driven transmission.
- Designed for variable load conditions, saving up to 35% compared to fixed-speed.
- Improved Specific Energy Requirement.
- Payback within 2 years for upgrade from fixed-speed to VSD.

+ TCO* SAVINGS
PERFORMANCE
SERVICEABILITY
LIFETIME

ROLLAIR 10-30 V PM

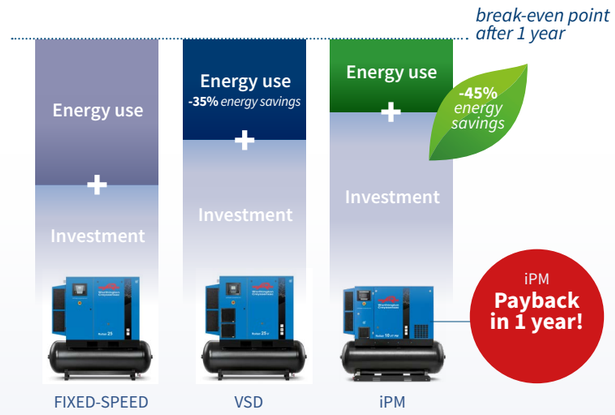
- Up to 17% additional energy savings compared to traditional VSD technology.
- Ideal for highly efficient operation during fluctuating air demand.
- Energy savings of up to 45% compared to fixed-speed.
- IP54, class H IE4 motor, oil-cooled for top performance.
- New design of air end and motor connection facilitates drive train maintenance.
- Payback after approximately 1 year for upgrade from fixed-speed to iPM.

* Total Cost of Ownership.

iPM FOR MAJOR ENERGY SAVINGS

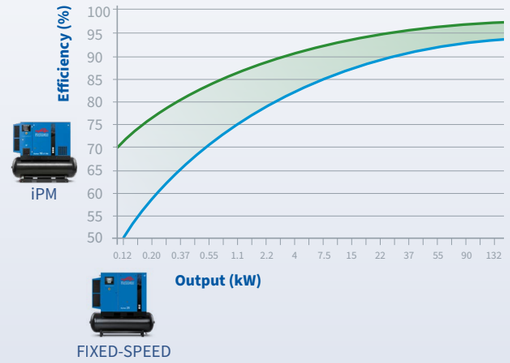
Energy takes up more than 70% of the cost of owning and operating a compressor. Worthington Creyssensac's iPM technology was developed to give you significant energy savings. While traditional compressors only have one speed (100% on), iPM compressors adjust their motor speed to follow the fluctuating air demand that most production environments have. As a result, the Rollair 10-30 V PM delivers energy savings of up to 45%. That means you can earn back the extra cost of the Rollair 10-30 V PM (compared to a fixed-speed unit) in just 1 year. How's that for an easy decision?

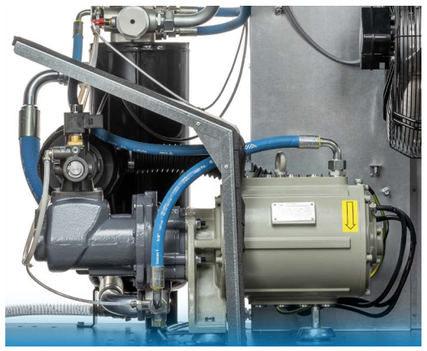
PAYBACK IN 1 YEAR



THE BIGGER BENEFIT OF A SMALL iPM COMPRESSOR

Does energy efficiency make less of a difference in small compressors? On the contrary! iPM technology delivers its biggest energy savings (compared to fixed-speed models) in smaller compressors. That is why you can achieve return on your iPM investment after just 1 year.

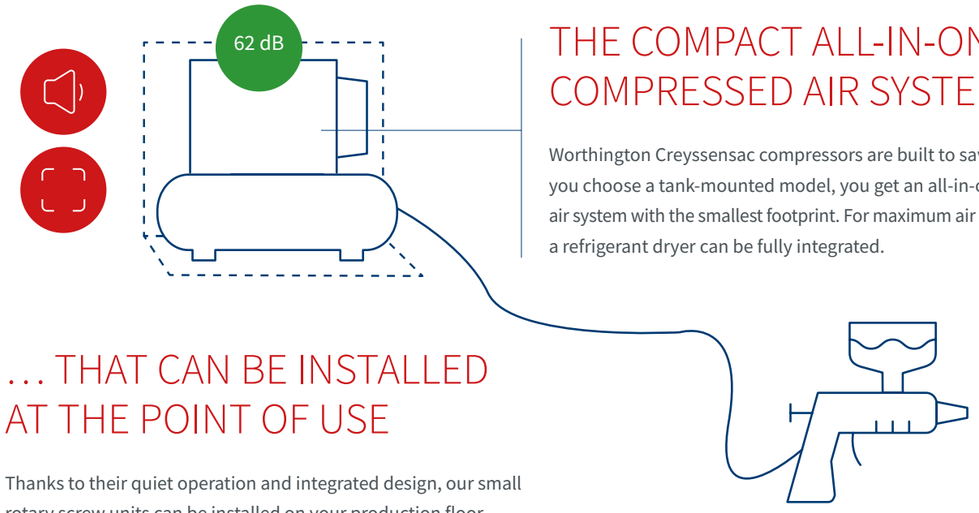




STATE-OF-THE-ART ENGINEERING

At the heart of our model line-up, you will find best-in-class compression technology, designed and built for a lifetime of top performance.
Just take a look at the Rollair 10-30 V PM's drive train. Rated IE4 efficiency and class H motor windings, its maintenance-free interior permanent magnet motor gives you optimal efficiency in the hottest conditions:

- HIGH EFFICIENCY CREDIT TO ITS DIRECT DRIVE, IE4 PERMANENT MAGNET MOTOR AND HIGH TURN-DOWN RATIO
- HIGH RELIABILITY RESULTING FROM ITS OIL COOLING AND CLASS H MOTOR WINDINGS
- EASY MAINTENANCE AND LOW DOWNTIME THANKS TO THE NEW DRIVETRAIN COUPLING SYSTEM



THE COMPACT ALL-IN-ONE COMPRESSED AIR SYSTEM…

Worthington Creyssensac compressors are built to save space. And if you choose a tank-mounted model, you get an all-in-one compressed air system with the smallest footprint. For maximum air quality, a refrigerant dryer can be fully integrated.

… THAT CAN BE INSTALLED AT THE POINT OF USE

Thanks to their quiet operation and integrated design, our small rotary screw units can be installed on your production floor. That means you don't need a separate compressor room and can save on floor space, piping, and installation costs. You can reduce your investment and operational costs as well, as you can operate the machine at a lower pressure setting and eliminate pressure drops throughout your piping network.

SAVE ON INVESTMENT COSTS

SAVE ON OPERATIONAL COSTS

ADVANCED MONITORING, CONTROL & CONNECTIVITY

The state-of-the-art Airlogic²T touchscreen controller – included as standard – gives you on-screen and remote insight into the performance of your compressor:

- → LARGE 4.3" FULL-COLOR TOUCHSCREEN DISPLAY
- → 30+ LANGUAGES
- → WARNING INDICATIONS AND SHUTDOWN ALARMS
- → SERVICE STATUS AND SCHEDULE INDICATION
- → VISUALISATION OF RUNNING CONDITIONS OVER LAN NETWORK
- → COMPRESSOR DATA ANALYSIS OVER ICONS

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_2 emissions.
- Receive high-quality energy reports ensuring the ISO50001 compliance of your site.

PREMIUM COMPRESSION TECHNOLOGY

MORE ABOUT THE ROLLAIR 20-34, THE ROLLAIR 10-34 V AND THE ROLLAIR 10-30 V PM!

OIL-COOLED IE4 EFFICIENCY AND CLASS H INTERIOR PERMANENT MAGNET (IPM) MOTOR: Maintenance free; includes innovative oil-cooling technology for optimal performance in up to 46°C.

IP54 ELECTRICAL CUBICLE: Can withstand up to 60°C with the highest standards in EMC performance.

IN-HOUSE DESIGNED COMPRESSION ELEMENT: Gives you best-in-class Free Air Delivery and Specific Energy Requirement.

DRIVE TRAIN: IE4 oil-cooled motor for optimal cooling performance. All-new conical coupling design for fast maintenance on the drive train.

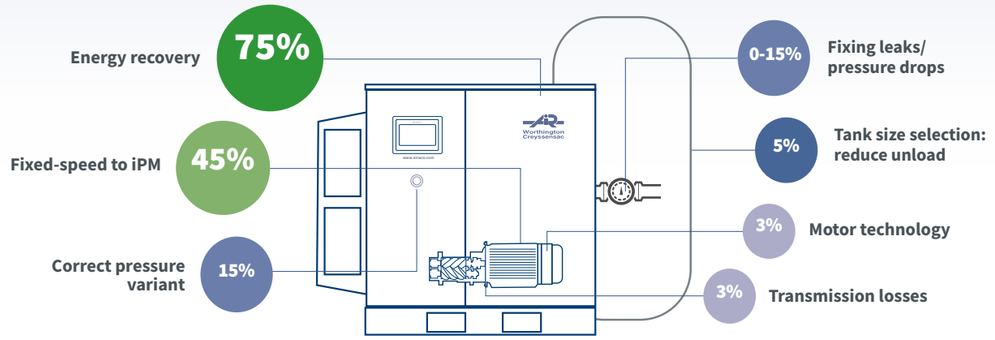
OVERSIZED COOLERS AND OIL VESSEL: For improved performance.

A RANGE OF OPTIONS

- → ENERGY RECOVERY
- → WATER SEPARATION DRAIN
- → ELECTRONIC WATER DRAIN
- → HEAVY DUTY AIR INLET FILTER
- → SILENCING BAFFLE
- → CANOPY HEATER
- → 8000H OIL
- → LINE FILTER G
- → FOOD GRADE OIL
- → OPT.ECONTROL 6I

MAXIMIZE YOUR ENERGY SAVINGS

Energy is by far the biggest cost of owning and operating a compressor. Luckily, there are many options to minimize the energy consumption of your air system. Technologies such as energy recovery can have a huge impact on your bottom line and your environmental footprint, with energy savings of up to 75%. A holistic view of your compressed air system is key. It starts with the selection of efficient technologies when buying your compressor. But it doesn't end there. Monitoring and analyzing your air system as you use it will often reveal optimization opportunities. Your Worthington Creyssensac representative can help you find those savings.



TECHNICAL SPECIFICATIONS

REQUEST YOUR QUOTATION!

ROLLAIR 20-34

Model	Max. working pressure	Reference working pressure	Free Air Delivery @ reference conditions*			Motor power		Noise level **	Cooling air flow	Weight		
										Pack	FF	FF TM 500L
	bar	bar	m³/h	l/s	cfm	kW	hp	db(A)	m³/h	kg		
RLR 20	7.5	7.0	165	45.9	97	15	20	66	2484	345	400	575
	8.5	8.0	155	43.1	91							
	10	9.5	137	38.2	81							
	13	12.5	119	33.1	70							
RLR 25	7.5	7.0	202	56.2	119	18.5	25	67	3492	370	430	605
	8.5	8.0	192	53.3	113							
	10	9.5	176	49.0	104							
	13	12.5	140	38.8	82							
RLR 30	7.5	7.0	234	64.9	138	22	30	68	3492	385	445	620
	8.5	8.0	226	62.7	133							
	10	9.5	198	55.0	117							
	13	12.5	168	46.6	99							
RLR 34	7.5	7.0	258	71.6	152	26	35	70	6516	400	460	635
	8.5	8.0	244	67.8	144							
	10	9.5	228	63.4	134							
	13	12.5	200	55.5	118							

ROLLAIR 10-34 V

Model	Min. working pressure	Reference working pressure	Motor power		Min. FAD*		Free Air Delivery @ reference conditions* Max. FAD*						Noise level **	Cooling air flow	Weight (kg)					
					7 bar		7 bar		9.5 bar		12.5 bar				Pack	FF	Pack TM		FF TM	
	bar	bar	kW	hp	m³/h	l/s	m³/h	l/s	m³/h	l/s	m³/h	l/s	db(A)	m³/h			270 L	500 L	270 L	500 L
RLR 10 V	4	13	7.5	10	16.2	4.5	74.9	20.8	64.8	18.0	51.0	14.2	62	2200	257	292	317	417	352	452
RLR 15 V	4	13	11	15	16.2	4.5	111.6	31.0	90.0	25.0	73.8	20.5	63	2200	271	321	331	431	381	481
RLR 20 V	4	13	15	20	16.2	4.5	135.7	37.7	113.8	31.6	85.3	23.7	64	2200	290	340	350	481	400	500
RLR 25 V	4	13	18.5	25	46.8	13.0	200.2	55.6	181.8	50.5	136.1	37.8	68	3492	340	400	-	-	-	575
RLR 30 V	4	13	22	30	46.8	13.0	231.1	64.2	194.8	54.1	176.0	48.9	69	3492	345	410	-	-	-	585
RLR 34 V	4	13	26	35	46.8	13.0	249.5	69.3	224.3	62.3	195.8	54.4	70	6516	365	425	-	-	-	600

ROLLAIR 10-30 V PM

Model	Min. working pressure	Reference working pressure	Motor power		Min. FAD*		Free Air Delivery @ reference conditions* Max. FAD*						Noise level **	Cooling air flow	Weight (kg)					
					7 bar		7 bar		9.5 bar		12.5 bar				Pack	FF	Pack TM		FF TM	
	bar	bar	kW	hp	m³/h	l/s	m³/h	l/s	m³/h	l/s	m³/h	l/s	db(A)	m³/h			270 L	500 L	270 L	500 L
RLR 10 V PM	4	13	7.5	10	16.6	4.6	76.3	21.2	66.2	18.4	51.0	15.4	62	2200	215	270	315	345	370	400
RLR 15 V PM	4	13	11	15	16.6	4.6	115.2	32.0	94.0	26.1	75.6	21.0	63	2200	225	280	325	355	380	410
RLR 20 V PM	4	13	15	20	40.3	11.2	180.0	50.0	153.4	42.6	130.3	36.2	64	2484	325	380	-	-	-	555
RLR 25 V PM	4	13	18.5	25	40.3	11.2	210.2	58.4	181.4	50.4	143.3	39.8	68	3492	340	400	-	-	-	575
RLR 30 V PM	4	13	22	30	40.3	11.2	241.6	67.1	204.8	56.9	185.0	51.4	69	3492	345	410	-	-	-	585

* Unit performance measured according to ISO 1217, Annex C, latest edition.
** Noise level measured according to ISO 2151 2004.

DIMENSIONS

	RLR 10-20E V RLR 10-15 V PM Dimensions (mm)			RLR 20-34 RLR 25-34 V RLR 20-30 V PM Dimensions (mm)		
	Length	Width	Height	Length	Width	Height
FM	1165	655	1045	1395	835	1220
FM+Dryer	1585	655	1045	1545	835	1220
TM 270L	1535	655	1535	-	-	-
TM 270L+Dryer	1655	655	1550	-	-	-
TM 500L	1935	655	1665	-	-	-
TM 500L+Dryer	1935	655	1680	1940	835	1835

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.

Contact your local Worthington Creyssensac representative

6999010640

ORIGINAL PART

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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