

INNOVATION

QUALITY

RELIABILTY

WORLDWIDE

EVO®

New Generation of Air Ends



»»» EVO® – Screw air ends

Reliable and versatile

Our oil-injected screw air ends create the heart of your compressor system. Used with our wide range of components, you can build the perfect compressor package with ultimate efficiency, low noise, at the highest quality standards.



Advantages of our new EVO® technology

- › New ROLLING PROFILE® – ultimate efficiency with reduced noise
- › Long life cycle due to increased bearing dimensions and wear-free ROLLING PROFILE®
- › Wide operating pressure range from 5 to 15 barg
- › High quality manufacturing and assembling – “Made in Germany”
- › Quality assurance – bench test of every air end before leaving our factory
- › Easy application selection with our new ROTORCOMP® SIZING AIR software
- › Highest flexibility for your package design
 - Suitable for all types of drive driving motors
 - Drive options: Belt drive, direct drive, internal gear drive
 - Base and face-flange mounting

Ultimate efficiency and reduced noise through

- › High volumetric output due to
 - Reduced internal leakage
 - Thermally optimized oil injection system
 - Improved suction port efficiency giving reduced internal losses
- › Low power consumption due to
 - Optimized torque characteristics and reduced internal friction
 - Improved outlet port with lower pressure losses
- › Reduced noise and low vibration due to
 - Smooth rolling of the rotors with new ROLLING PROFILE®
 - Optimized outlet port

Oil injected screw



EVO28



ROTORCOMP® SIZING AIR Software

Technical data

Type	Recommended motors power min. – max.		Max. flow rate at 7 barg / 100 psig		Pressure range min. – max.		Net weight	
	kW	hp	m ³ /min	cfm	barg	psig	kg	lbs
EVO2	4 – 11	5 – 15	1.7	60	5 – 15	73 – 218	15	33
EVO3	7.5 – 18.5	10 – 25	3.2	113	5 – 15	73 – 218	21	46
EVO6	15 – 37	20 – 50	6.0	212	5 – 15	73 – 218	45	99
EVO9	22 – 55	30 – 75	8.8	311	5 – 15	73 – 218	68	150
EVO15	45 – 90	60 – 125	14.6 *	516 *	5 – 15	73 – 218	126	278
EVO28	75 – 160	100 – 200	27.5 *	971 *	5 – 15	73 – 218	269	593

* preliminary data

New ROTORCOMP® SIZING AIR software

- › Recommends the most efficient EVO® types
- › Calculates performance data
- › Indicates technical limits
- › Provides essential information for your drive
- › Determines important data for your cooling system

new compressors

Also available with gear drive

For a number of applications the use of a gear driven air end is the best choice. We provide a complete range of robust, flexible and highly efficient built-in gear boxes for our oil injected air ends starting from EVO3-G.

Horizontal gear drive

Vertical gear drive



Technical data

Type	Recommended motors power min. – max.		Max. flow rate at 7 barg / 100 psig		Pressure range min. – max.		Net weight	
	kW	hp	m ³ /min	cfm	barg	psig	kg	lbs
EVO3-G	7.5 – 18.5	10 – 25	3.2	113	5 – 15	73 – 218	34	75
EVO6-G	15 – 37	20 – 50	6.0	212	5 – 15	73 – 218	70	154
EVO9-G	22 – 55	30 – 75	8.8	311	5 – 15	73 – 218	93	205

Advantages of our new gearbox design

- › Low energy losses and low noise due to optimized gears and gearbox design
- › Highly robust construction with long lifetime and low maintenance
- › Compact design with wide range of gear ratios
- › Installation flexibility due to horizontally or vertically oriented gear box
- › Simplified maintenance through
 - easy replacement of shaft seal
 - easy mounting and demounting from air end
 - easily exchangeable gears if needed



A close-up, high-angle photograph of a metallic compressor component. The component is highly reflective and features a series of small, circular perforations along its length. The lighting is dramatic, highlighting the metallic texture and the precision of the manufacturing. The background is dark and out of focus, emphasizing the intricate details of the part.

ew compressors

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