

**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.



EVO2



EVO3



EVO6



EVO9



EVO15

### ADVANTAGES OF OUR 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 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



EVO28

EVO42

EVO76

## TECHNICAL DATA

Type	Recommended motor power min.-max.		Max. flow rate at 7 barg / 100 psig		Pressure range min.-max.		Net weight	
	kW	hp	m3/min	cfm	barg	psig	kg	lbs
EVO2	3.0-11.0	5-15	1.6	60	5-15	70-220	15	33
EVO3	5.5-18.5	10-25	2.8	100	5-15	70-220	21	46
EVO6	15-37	20-50	5.5	200	5-15	70-220	45	99
EVO9	22-55	30-75	8.4	300	5-15	70-220	68	150
EVO15	45-90	60-125	14.4	510	5-15	70-220	126	278
EVO28	75-160	100-200	26	920	5-15	70-220	269	593
EVO42	132-250	175-340	42	1,485	5-15	70-220	474	1,045
EVO76	160-540	214-725	76	2,678	3.5-17	50-250	1,250	2,754

## EVO®-G 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.



EVO3-G

EVO6-G

EVO9-G

EVO15-G

EVO28-G

### 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

### ALSO AVAILABLE WITH VERTICLE GEAR DRIVE

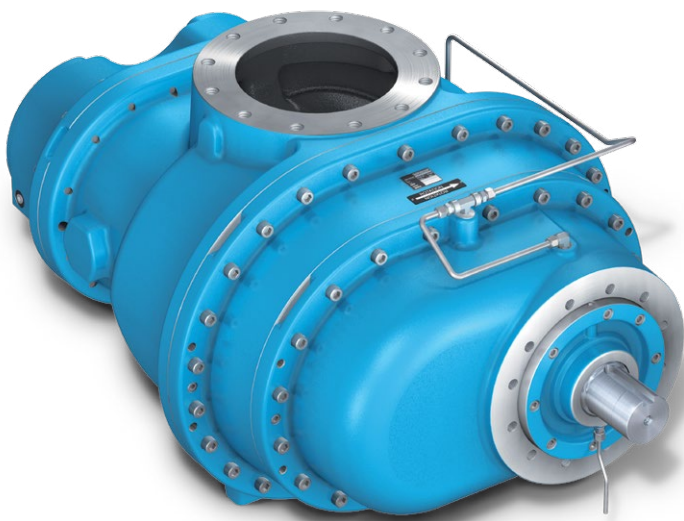


EVO3-G

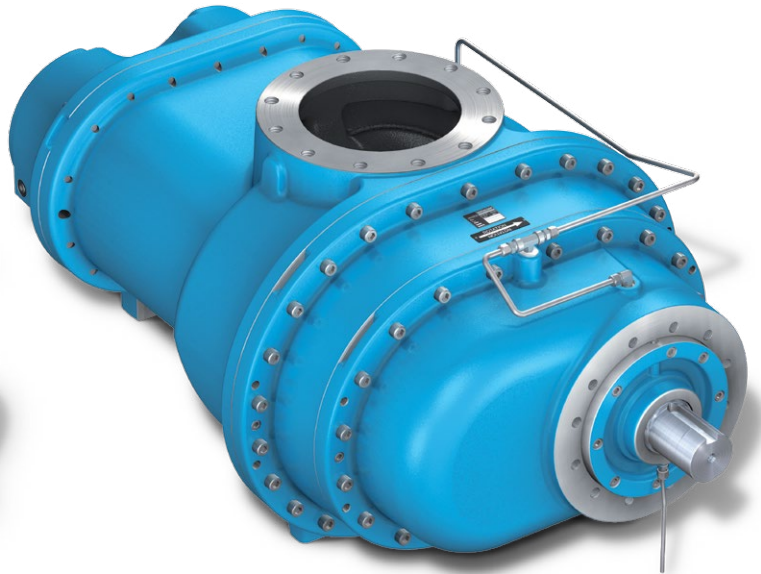
EVO6-G

EVO9-G

EVO15-G



EVO76-G



EVO105-G

## TECHNICAL DATA

Type	Recommended motor power min.-max.		Max. flow rate at 7 barg / 100 psig		Pressure range min.-max.		Net weight	
	kW	hp	m3/min	cfm	barg	psig	kg	lbs
EVO3-G	7.5-18.5	10-25	2.8	100	5-15	70-220	34	75
EVO6-G	15-37	20-50	5.5	200	5-15	70-220	70	154
EVO9-G	22-55	30-75	8.4	300	5-15	70-220	93	205
EVO15-G	45-90	60-125	14.4	510	5-15	70-220	168	370
EVO28-G	75-160	100-200	26	920	5-15	70-220	323	712
EVO76-G	160-540	214-725	76	2,678	3.5-17	50-250	1,419	3,125
EVO105-G	250-670	335-900	105	3,700	3.5-14	50-200	1,565	3,448



**EVO<sup>®</sup>**

**SILENT EFFICIENCY**



## YOUR CALCULATION ASSISTANT

### ROTORCOMP SIZING AIR SOFTWARE

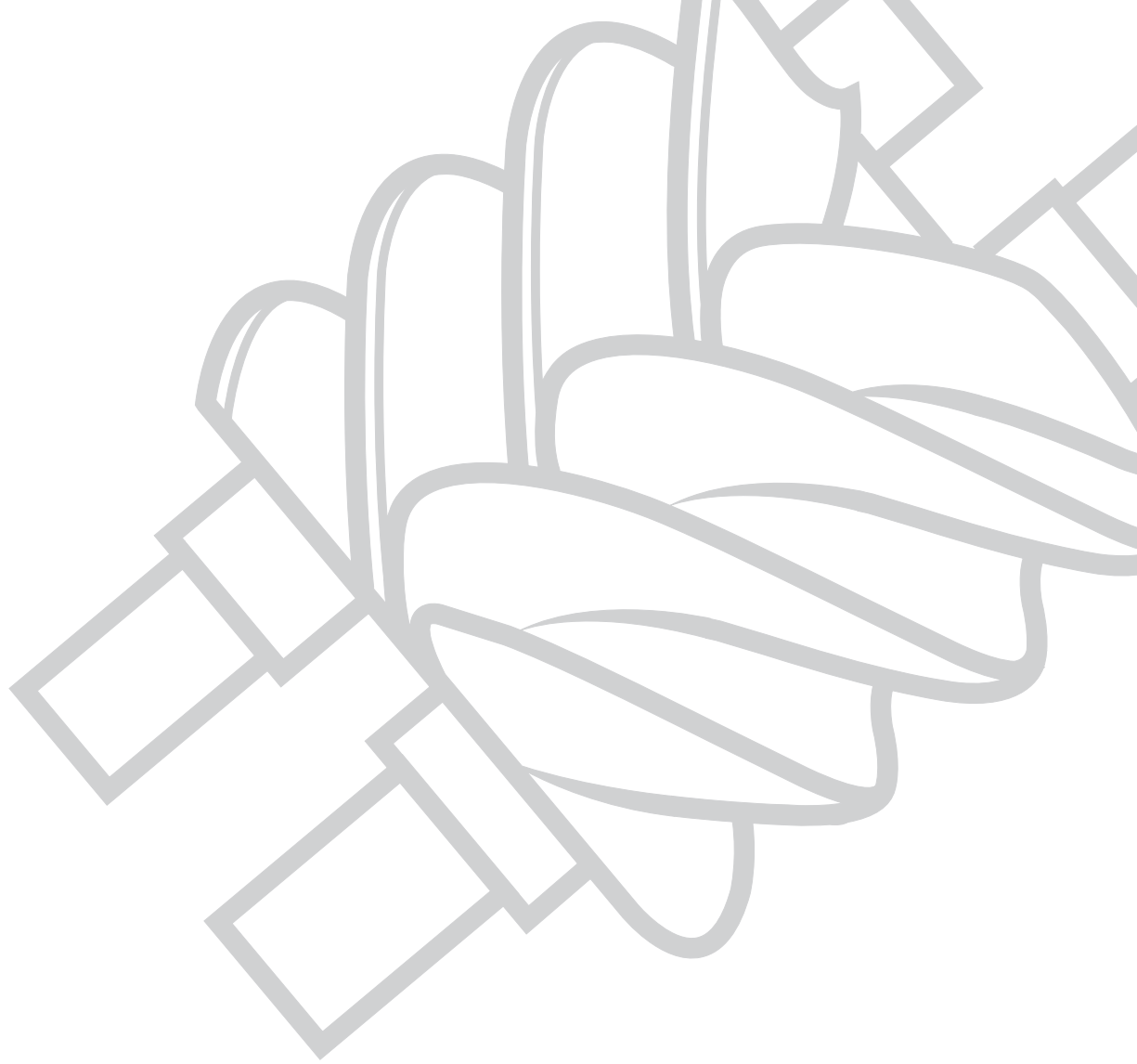
- › Recommends the most efficient EVO® types
- › Calculates performance data
- › Indicates technical limits
- › Provides essential information for your drive
- › Determines important data for your cooling system



## OUR COMPANY



ROTORCOMP is one of the largest suppliers of oil injected air and gas ends and compact units to the world market. Concentrating on our core competence, the research, design, production and sales of oil injected screw compressors, we provide our products exclusive to OEM customers, packaging air or gas compressors. Embedded to the independent and privately held BAUER GROUP, we are a strong, loyal and faithful partner with customers in more than 60 countries all over the world. We guarantee world class product quality and reliability with our highly sophisticated factory, seated close to Munich in the south of Germany.



## INTERESTED IN ONE OF OUR PRODUCTS?

CONTACT US – WE ARE HAPPY TO PROVIDE  
INFORMATION AND ASSISTANCE.

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**PRODUCT OVERVIEW  
EVO®**

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Subject to change without notice