

INNOVATION

QUALITY

RELIABILTY

WORLDWIDE

# EVO<sup>®</sup>-NK

## New Generation of Compact Units



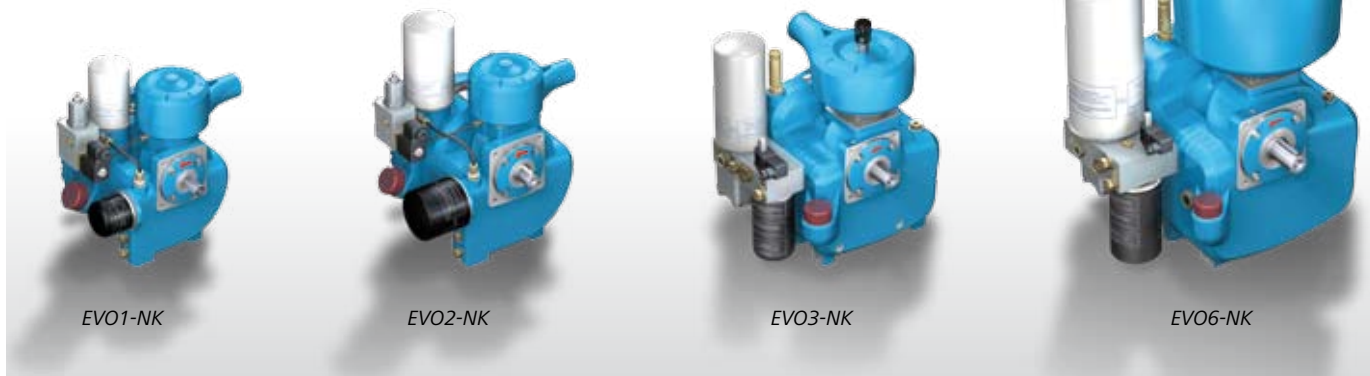


or compact units

## »»» EVO®-NK – Screw compact units

### Unique and reliable

Our unique series of EVO®-NK compact units are oil-injected screw compressor modules that integrate the main parts of a compressor system. This solution is the best possible way to build a reliable, compact and cost efficient complete compressor package with ultimate efficiency, low noise and the highest quality standards.



### Why to use EVO® -NK compact units?

- › High operation reliability – designed for industrial applications and continuous operation
- › Includes all the advantages of our new built-in EVO® technology
- › Each compact unit is tested as a complete system before leaving our factory
- › No leakages due to reduced piping and connections as well as sealing with O-rings (Viton®)
- › Optimized compact design with very low space requirements
- › Simplified service and maintenance as all components are easily accessible from one side without special tools
- › Reduced engineering, manufacturing and logistic costs for your compressor package compared to conventional compressor systems with an air end and separate components

### 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 discharge 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

# Screw compressor



EVO9-NK



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 <sup>3</sup> /min	cfm	barg	psig	kg	lbs
EVO1-NK	2.2 – 5.5	3.0 – 7.5	0.8*	28*	5 – 15	73 – 218	31	68
EVO2-NK	4.0 – 11.0	5.0 – 15.0	1.5*	53	5 – 15	73 – 218	40	88
EVO3-NK	7.5 – 18.5	10.0 – 25.0	2.8	100	5 – 15	73 – 218	54	119
EVO6-NK	15.0 – 37.0	20.0 – 50.0	5.6	198	5 – 15	73 – 218	99	218
EVO9-NK	22.0 – 55.0	30.0 – 75.0	8.4	297	5 – 15	73 – 218	199	439

## Integrated components are

- › EVO® oil injected air end with ROLLING PROFILE®
- › Intake valve with control unit and air filter
- › Oil reservoir and oil separation system with coalescing cartridge(s)
- › Oil filter and oil thermo valve
- › Minimum pressure and non return valve
- › Various options available such as safety valve, oil level sight glass, maintenance indicators

\* preliminary data

\*\* reduced maximum power input at pressures below 7 barg

or compact units

## 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-NK-G.



## Technical data

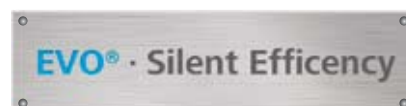
Type	Recommended motors power min. – max.		Max. flow rate at 7 barg / 100 psig		Pressure range min.** – max.		Net weight	
	kW	hp	m <sup>3</sup> /min	cfm	barg	psig	kg	lbs
EVO3-NK-G	7.5 – 18.5	10 – 25	2.8	100	5 – 15	73 – 218	67	148
EVO6-NK-G	15.0 – 37.0	20 – 50	5.6	198	5 – 15	73 – 218	124	273
EVO9-NK-G	22.0 – 55.0	30 – 75	8.4	297	5 – 15	73 – 218	224	494

\* preliminary data

\*\* reduced maximum power input at pressures below 7 barg

## 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
- › Simplified maintenance through
  - easy replacement of shaft seal
  - easy mounting and demounting from air end
  - easily exchangeable gears if needed



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**ROTORCOMP VERDICHTER GmbH**

Industriestraße 9  
82110 Germering  
Germany

Tel.: +49 (0)89 724 09-0  
Fax: +49 (0)89 724 09-38

[info@rotorcomp.de](mailto:info@rotorcomp.de)  
[www.rotorcomp.de](http://www.rotorcomp.de)

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