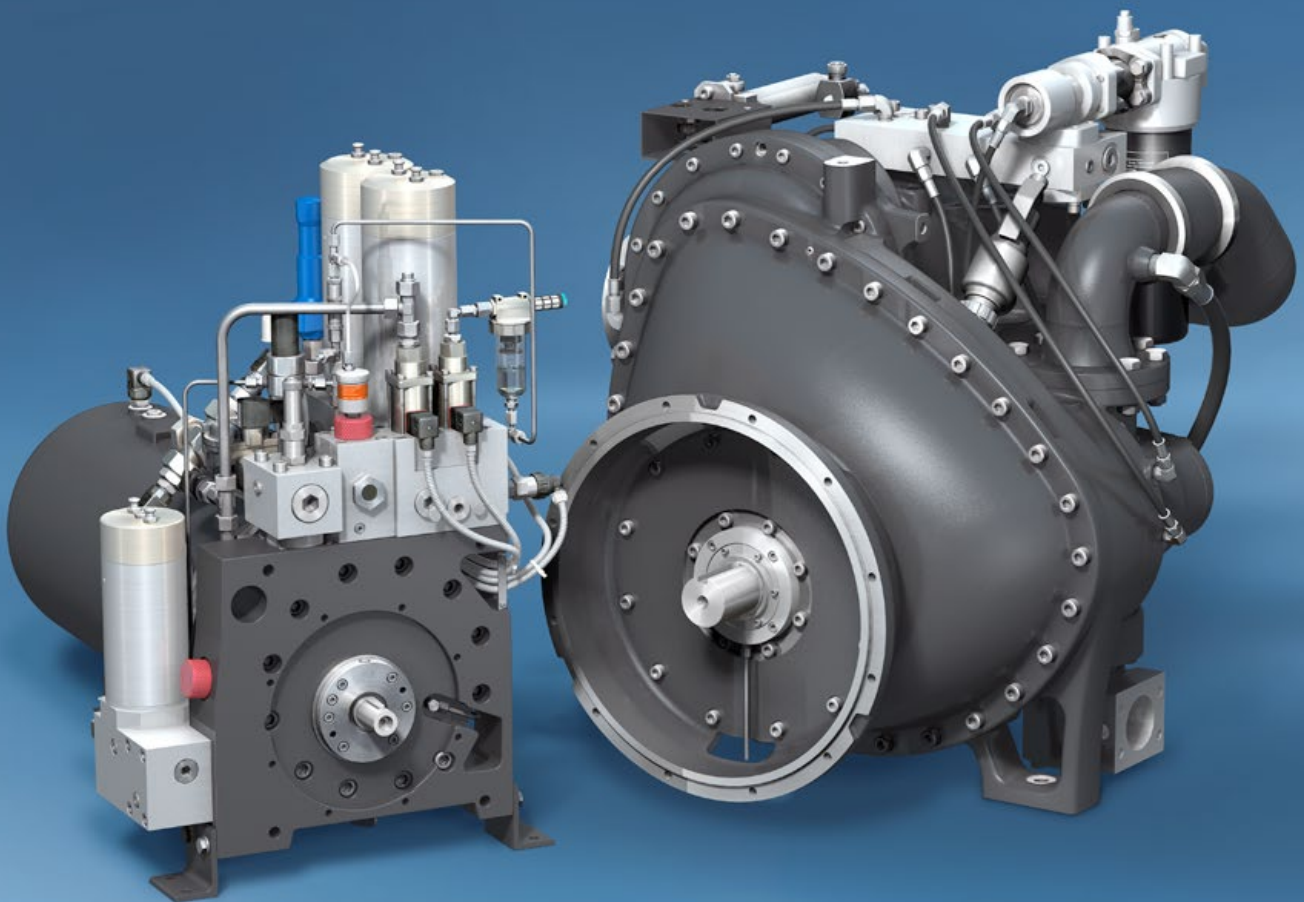


MEDIUM PRESSURE

TWO STAGE COMPRESSORS & BOOSTERS



MK80 – SCREW COMPRESSOR FOR 40 BAR

ROTORCOMP provides with the booster module MK80 up to 40 bar a world-wide singular screw booster design.

The booster module MK80 increases compressed air and inert gases up to a final pressure of 40 bar with maximum delivery capacity of 650 Nm³/h–380 scfm.

The compact function unit possesses a unique equipment for problem-free industrial equipment building and safe operation: screw compressor, filter, valves, complete sensors, electronic control system, connector finished cabling.

MK80 ADVANTAGES

- › Compact design for reduced floor space
- › Smooth, low vibration running (no foundations)
- › Lowest operating noise level
- › Continuous air supply (no pulsations)
- › Operation with bio-degradable and food-grade lubricants
- › Designed for continuous duty
- › Load-idling-operation or frequency controlled operation for variable delivery capacity
- › Low maintenance cost
- › Belt drive or direct drive



MK80 BOOSTER MODULE RANGE

- › Power range 10 – 48 kW
- › Volume flow 2 – 11 m³/min
- › Pressure range 25 – 40 barg
- › Intake pressure range 6 – 14 barg

AREAS OF APPLICATION

Some applications of ROTORCOMP Booster MK80:

- › PET bottle moulding
- › Starting air for large diesel engines
- › Coating techniques in the wood and glass industry
- › Instrument air for power plants
- › Process air
- › And many other applications

SCOPE OF DELIVERY

- › Screw booster module
- › Sensors for the supervision
- › Sensors for service
- › Magnet valves for idling and discharge operation mode
- › Cabling of all valves and sensors
- › Electronic control system
- › LED-display module for operating modes, interferences and required services

OPTIONS AND ACCESSORIES

- › Safety valves suction
- › Safety valves discharge
- › Belt tensioning system
- › Cooler for air
- › Cooler for oil
- › Combi cooler for oil and air
- › Electronic pressure switch

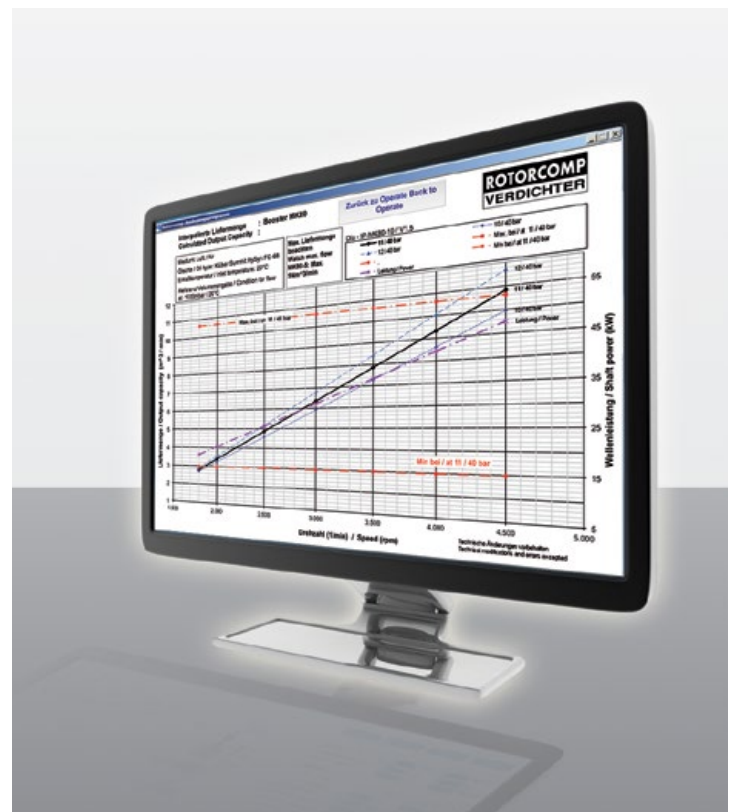
ELECTRONIC CONTROL SYSTEM CC21

The CC21 system is specially designed for monitoring the MK80 and controlling the valves at the MK80 with LED display for service, errors and operating status of the MK-80.



PREDICTION TOOL FOR SIZING

ROTORCOMP provide a simple to handle sizing tool to enable you to predict the MK80 setup for your application.



MT-G – TWO STAGE COMPRESSORS

With the MT25-G and MT35-G two stage screw compressors, ROTORCOMP provides a well-proven screw booster design for pressures up to 35 Bar. At suction pressures of ambient to 350 mbar, these units are capable of 35 bar discharge with maximum delivery of 42 m³/min (1500 cfm).

The compact design safely and easily integrates into your package/system. Scope of supply includes the screw compressor stages, inlet valve, oil distribution unit with oil check valve, oil filter, discharge check valve, and interstage pressure relief valve.

Multi staging allows higher overall efficiencies, higher ultimate discharge pressure, and reduced noise. The thrust balance piston arrangement minimizes thrust loading, increasing bearing life.

MT-G ADVANTAGES

- › Long life cycle due to increased bearing dimensions
- › Operating pressure range from 17 to 35 barg
- › Quality assurance – bench test of every air end before leaving our factory
- › Highest flexibility for your package design
- › Compact design for reduced floor space
- › Smooth, low vibration running (no foundations)
- › Lowest operating noise level
- › Continuous air supply (no pulsations)
- › Operation with bio-degradable and food-grade lubricants
- › Designed for continuous duty
- › Load-idling-operation or frequency controlled operation for variable delivery capacity
- › Low maintenance cost
- › Suitable for all types of motors
- › Base and face-flange mounting

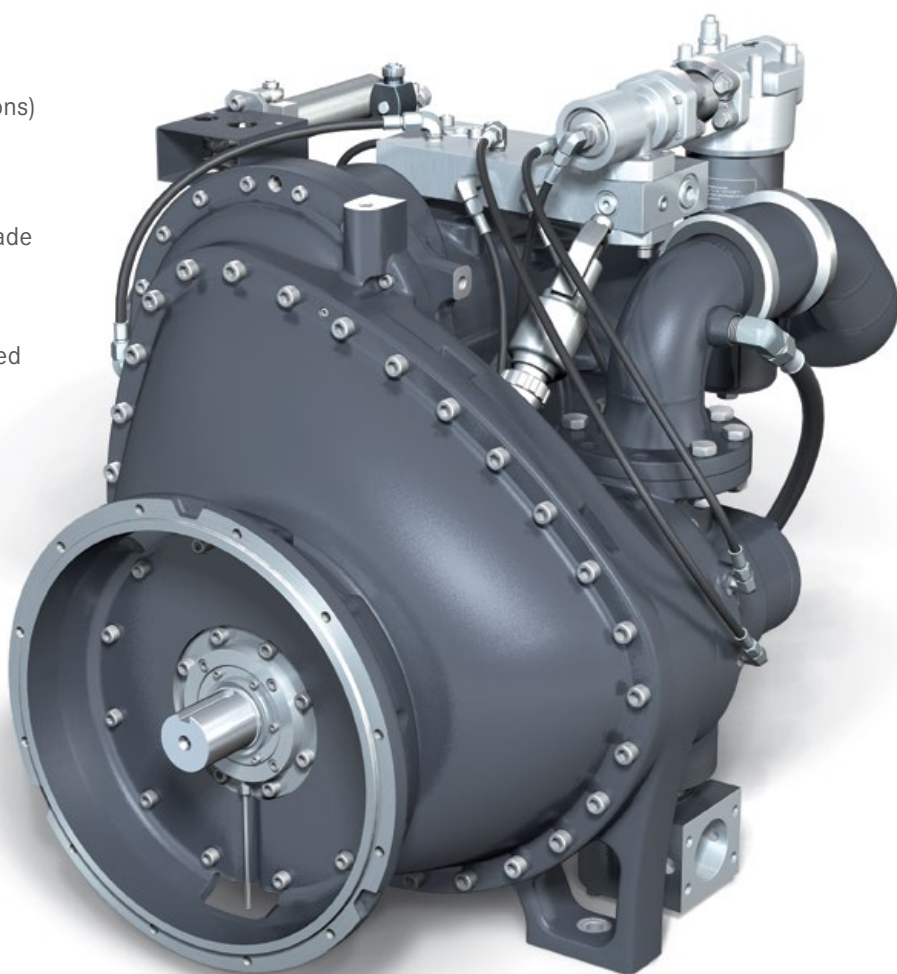
MT-G TWO STAGE AIR END RANGE

MT 25-G

- › Motor Power 460 kW
- › Volume flow 19 – 42 m³/min
- › Pressure range 17 – 25 barg

MT 35-G

- › Motor Power 570 kW
- › Volume flow 19 – 42 m³/min
- › Pressure range 25 – 35 barg





AREAS OF APPLICATION

Some applications of ROTORCOMP Two stage air ends:

- › Downhole drilling
- › PET bottle blow molding
- › Nitrogen generation
- › Instrument air for power plants
- › Process air

SCOPE OF DELIVERY

- › Two stage screw unit
- › Oil distribution bloc
- › Oil piping
- › Oil filter
- › Oil stop valve
- › 1 st. stage safety valve
- › Scavenge oil return line
- › Shaft seal leakage return line

OPTIONS AND ACCESSORIES

- › Intake filter
- › Intake control valve
- › Discharge checkvalve
- › Oil thermostat
- › MPV
- › Fine separator system
- › Bell housing SAE 1

MAIN CONSTRUCTION FEATURES

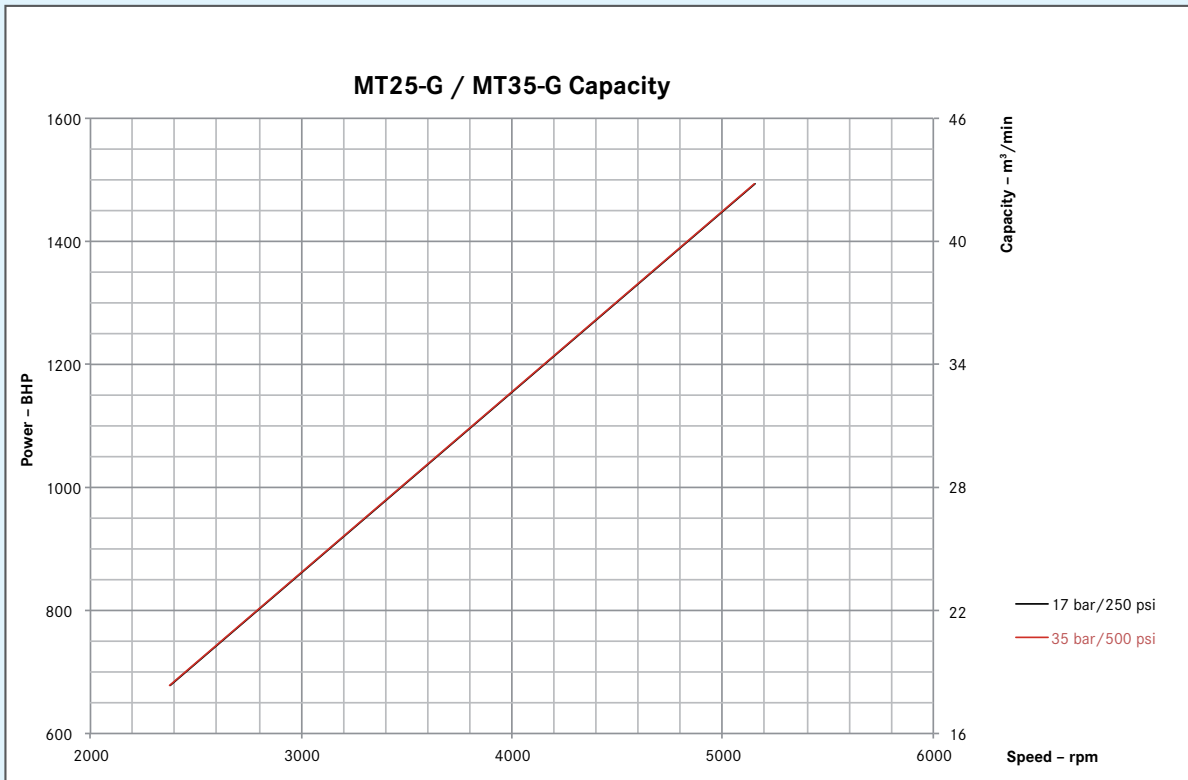
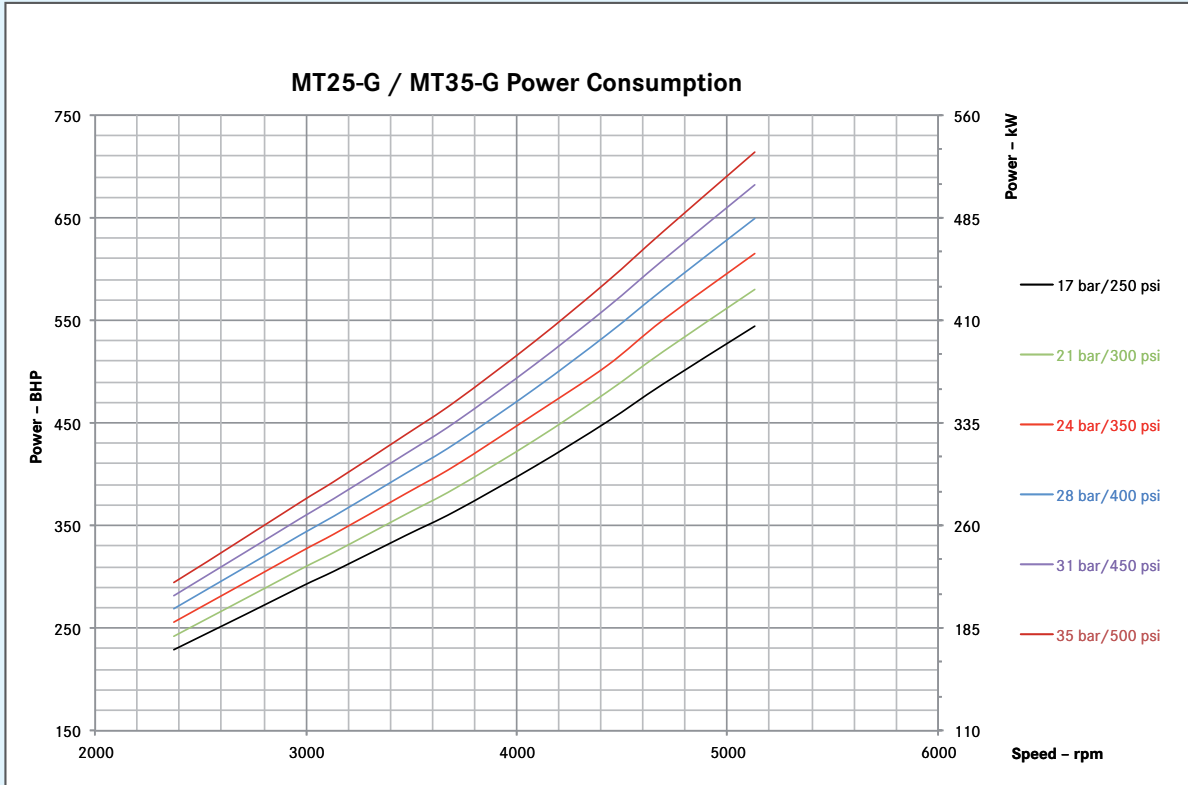
- › Simple installation
- › Rugged construction
- › Low operating noises
- › Simple to assemble and disassemble
- › Oil filter for each airend
- › Two rotor sets with asymmetrical profile

TECHNICAL SPECIFICATION

- › Power range up: to 570 kW max
760 BHP max
- › Capacity range: 19 – 42 m³/min
673 – 1492 cfm
- › Inlet pressure up to: 200 mbar abs. min.
1.35 bar abs. max.
24 Hg min.
5 psig max.
- › Discharge pressure range: 17 – 35 barg
250 – 500 psig
- › Weight approx.: 1032 kg / 2270 lbs

For special purpose, pressures up to 40 barg / 600psig or flow up to 50 m³/min. /1800cfm at 25 barg / 350 psig available.

TECHNICAL SPECIFICATION



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
MEDIUM PRESSURE**

05/2017

Subject to change without notice