

hertz[®]
KOMPRESSOREN

**Oil-Injected Rotary Screw Air Compressors
HGS 2-15**

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A Dalgakiran Group Company

DESIGNED TO IMPROVE YOUR PERFORMANCE!

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KOMPRESSOREN

Hertz's tailored HGS Series Screw Compressors, the ideal choice for all kind of industry and applications. Every screw compressor model is equipped with an exclusive screw block, constructed with the strongest materials and each compressor ensure exceptional performance, efficiency and long lasting maintenance life.

COMMITTED TO EXCELLENCE

Hertz offer the most complete range of all kind of screw compressors with proven quality with the means of years of exceptional experience and know-how.

With time proven quality, Hertz HGS Series Rotary Screw Compressors provide highly efficiency solutions for many compressed air applications. Hertz Kompressoren products are designed to supply long lasting years of efficiency and built quality standards and suit every application needs.



TIME PROVEN DESIGN

Continuous improvements with the innovation in material, machining, assembling techniques with quality, Hertz products are beyond your expectations.

USER FRIENDLY DESIGN

All Hertz Kompressoren models are built for a broad range of applications, easy & minimum maintenance, have long maintenance intervals and low operating costs. All spare parts are easily available at all service centres across the world network of branches.

WORLDWIDE DISTRIBUTION

Hertz Kompressoren offers the most reliable solutions for all kind of applications worldwide. Hertz Kompressoren is represented by subsidiary companies and authorised partners in over 50 countries.

The ultimate point in efficiency...



**Oil-Injected Rotary Screw Air Compressors
HGS 2-15**



HGS 2-15 Tank Mounted Screw Compressors

HERTZ Screw Compressors are designed to serve you trouble free, for long life time and each component is selected carefully in accordance with this purpose.

SIMPLE

With a simplified, easy to maintain structure and with long life components, a trouble-free operation is provided.

AIREND

High efficiency airends manufactured by one of the leading airend manufacturer in the world. Our airend design is based on new rotor profile and lobe combination, which is the result of long experience of screw compressors performance, new CAD Methods and utilization of modern production technology

In our airends, the male rotor has four lobes and the female five lobes. This provides the shortest seal line and smallest inner leakage and provides more air volume capacity. The new rotor profile with minimized "blow hole" reduces torque requirement, which means low power consumption.

AIR INTAKE SYSTEM

Replaceable glassfibre panel type pre-filter and dry type paper filter element eliminate dusty ambient problem.

Air intake fan creates turbo effect inside of the machine. This effect provide efficient cooling and help the airend intake capacity.

Piston controlled intake valve is chosen right size, which means high capacity and low power consumption.

AIR/ OIL SEPARATION

Effective design provides three stage separation.

Long life separator elements reduce oil in compressed air less than 3 ppm.

Spin-on elements provides fast and easy separator element replacement.

THERMOSTATIC VALVE

4 ways thermostatic valve on multi-block provide trouble free operation in low ambient temperatures.



AIR / OIL AFTERCOOLER

Long life and trouble free operation with "bar/plate" type aluminium combi-cooler. Coolers are selected to provide trouble free operations even in high ambient temperatures.

AIR TANK RECEIVERS

Designed according to CE regulations. Made of special P265 GH type pressure vessel steel. Manual water drain valve. Air discharge valve. Powder coating paint.

DRIVING SYSTEM

Belts are selected according to 25.000 operating hours. Pulleys with taper bush can be easily disassembled and assembled. Easy belt tensioning system provide trouble free operation.

FLEXIBLE SYSTEM OPTIONS

Through the "modular system" that provides technically optimum solution, the opportunity to choose the system that best answers your needs. According to your requirements you can choose;

- Base compressor with sound proof canopy
- Tank mounted compressor with sound proof canopy
- Tank mounted compressor dryer and air filtration solution provided together as an exclusive problem free all in one system functioning even at 45°C ambient temperatures.



HGS 2-15 Tank Mounted Screw Compressors

CONTROL PANEL AND CUBICLE

Electronic panel indicates any type of operational and service activities in the easiest way to make everybody understand perfectly. Different type safety systems provides protection for any type of risk.

All electrical components in the cubicle are chosen from well known brands all over the world.

VIBRATION PAD

Special rubber vibration pads eliminates vibration and problems it may cause.

COMPACT CANOPY DESIGN

- Compact machine design provides minimum working space.
- Demontable canopy doors provide easy maintenance and enables easy intervention for every point of the machine.
- Soundproof steel canopy is covered with flame proof special material to provide low noise level.



STANDARD EQUIPMENTS

- Screw compressor
- 380 V/3 ph/50 Hz, IP 54 TEFV motor
- Direct drive system with belt pulley
- Demontable acoustic canopy
- Rigid steel base
- Glassfibre pre-filter
- Three micron dry type air inlet filter
- Air/oil separator element with 3ppm efficiency and tank
- Ten micron full flow oil filter
- Minimum pressure valve
- Thermostatic valve
- Pressure relief valve
- Star-delta cubicle
- PLC control panel

COOLING SYSTEM

- High efficiency combi "bar/plate" type air/oil aftercooler
- Cooling fan on main motor
- Factory filled oil up to 4000 hours

SAFETY SYSTEM

- Motor overload shutdown
- Phase sequence shutdown
- High airtend discharge temperature shutdown
- High discharge pressure shutdown
- Change separator element indicator
- Air filter change warning
- Pressure relief valve
- Emergency stop button

HGS 2-15 Tank Mounted Screw Compressors Technical Data and Dimensions*

HGS 2 / HGS 3 / HGS 4 / HGS 5.5 / HGS 7.5 / HGS 11 / HGS 15
HGS 2-15 Tank Mounted Series

Technical Data and Dimensions*

Model	Bar	L/min.	kW/HP	Liter	L (mm)	W (mm)	H (mm)	Air Connection	dBa	Kg
HGS 2	7.5	250	2.2 / 3.0	200/300***	550	**850 / 1530	**830 / 1305	1/2"	63	240
	10	-								
	13	-								
HGS 3	7.5	410	3.0 / 4.0	200/300***	550	**850 / 1530	**830 / 1305	1/2"	65	245
	10	320								
	13	-								
HGS 4	7.5	560	4.0 / 5.5	200/300***	550	**850 / 1530	**830 / 1305	1/2"	69	247
	10	460								
	13	350								
HGS 5.5	7.5	770	5.5 / 7.5	200/300***	550	**1000 / 1530	**830 / 1305	1/2"	69	272
	10	650								
	13	530								
HGS 7.5	7.5	1150	7.5 / 10.0	500***	642	**1000 / 1905	**830 / 1490	3/4"	69	381
	10	950								
	13	720								
HGS 11	7.5	1700	11 / 15	500***	650	**1218 / 1925	**915 / 1585	3/4"	69	414
	10	1400								
	13	1100								
HGS 15	7.5	2250	15 / 20	500***	650	**1218 / 1925	**915 / 1585	3/4"	69	450
	10	1960								
	13	1510								

*The specifications and details are subject to change without prior notice

60 Hz versions are available upon request.

** First given data is for single compressor option, second given data is for tank mounted compressor.

*** Models including dryer air filtration solution option.