



HDD SERIES -ROTARY SCREW AIR COMPRESSORS



STANDARD EQUIPMENT

High quality components such as IP55 electric motors with the IE3 efficiency class, IP54 fan motors, wye-delta motor starter system, electrical materials selected according to IEC, UL/cUL standards as per the market requirements, high-efficiency screw blocks consuming less energy are provided as standard in all our products.



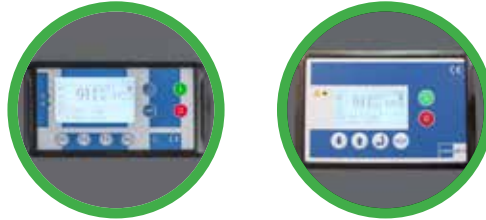
SERVICEABILITY

Service-friendly design implemented using a layout that provides instant access to all consumable items, with quick-release and hinged protective covers and easy-to-use controllers minimizes downtime and reduces maintenance costs.



ELECTRONIC CONTROL

Hertz Kompressoren rotary screw compressors are equipped with easy-to-use, robust and long-lasting microprocessor controllers with communication capabilities as per the product line to ensure smooth operation and uninterrupted production.



SCREW BLOCK

- Patented and durable screw block that provides high-capacity of air, and that is specially selected for each model's capacity requirement
- Production of air with less loss of air, thanks to the new rotor profiles, and lower torque requirements
- New generation bearing design with increased load carrying capabilities



AIR OIL SEPARATOR

Immersed type separator design depending on the product line

Immersed type separator

High performance separation with three-stage design

More efficient separation at lower volume with deeply wrapped, intertwined separation layers

Low amount of oil mist in outlet air ≤ 3 ppm



MAIN MOTOR AND DRIVE SYSTEM

Premium 230/460V/3 phase/60Hz, IE3 IP55 electric motors with F Class insulation, Wye-Delta motor starting system, Easy of assembly and disassembly with bush pulleys on belt-pulley models. Long-lasting and efficient transfer system thanks to use of elastic couplings on direct coupled models.





HDD SERIES

Direct Drive Rotary Screw Air Compressors 22-335 kW

HERTZ HDD series compressors deliver high performance by reducing the power transfer losses with their directly-coupled motor and screw block. Operation expenses are reduced thanks to usage of the latest generation screw block and motor. Responds to all requirements between 22 and 335 KW.

ADVANTAGES

- Wide operating pressure range (100-175 psi)
- Easy and fast service with removable and hinged door and panels

MAIN MOTOR DRIVE SYSTEM

- Durable and efficient power transfer thanks to the use of elastic coupling
- Fast (30 min.) coupling system serviceability with its special design
- High temperature protection with motor bearings
- PTC on motor windings



AIR/OIL SEPARATOR

- High performance separation with three-stage design
- More efficient separation at lower volume with deeply wrapped, intertwined separation layers
- Low amount of oil mist in outlet air ≤ 3 ppm
- High-efficiency immersion type separator with long service life
- Service friendly oil tank cover

COOLING SYSTEM

- Cooling fans controlled with secondary fan inverter (HDD SERIES 22-335)
- Independent radiator segments
- Silent and slow speed Radial fan (HDD SERIES 22-335)

ADDITIONAL OPTIONS TO THE GENERAL OPTIONS LIST

- Oil Tank heater for cold environments



OTHER FEATURES

- Usage up to 110 degrees Fahrenheit ambient temperature
- Suction filter with silencer casing and pre-filtration
- Hinged oil tank cover for easy and fast service
- Flexible pipe coupling joints used for water separator
- Optimum inner cabinet air flow for better cooling and air suction
- All air and oil tanks comply with ASME standards

HDD SERIES

Direct Drive Rotary Screw Air Compressors

TECHNICAL DATA

60 Hz version

MODEL	PRESSURE		CAPACITY		MOTOR POWER kW/HP	DIMENSIONS (in.)			WEIGHT lbs	NOISE dB(A)
	psi	bar	m ³ /min	cfm		Length	Width	Height		
HDD 22	100	7	3.98	140.6	22/30	64	33	55	1400	70
	125	8.5	3.80	134.2						
	150	10	3.35	118.3						
HDD 30	100	7	6.20	219.0	30/40	80	45	64	2248	70
	125	8.5	5.35	189.0						
	150	10	4.95	174.9						
HDD 37	100	7	7.23	255.3	37/50	80	45	64	2535	75
	125	8.5	6.66	235.2						
	150	10	6.12	216.1						
HDD 45	100	7	8.77	310.0	45/60	80	45	64	2843	78
	125	8.5	7.90	279.0						
	150	10	7.33	259.0						
HDD 55	100	7	10.6	374.3	55/75	91	54	82	4520	78
	125	8.5	9.70	342.6						
	150	10	8.64	305.1						
HDD 75	100	7	15.00	530.0	75/100	91	54	82	4895	78
	125	8.5	13.50	477.0						
	150	10	11.79	416.3						
HDD 90	100	7	17.81	629.0	90/125	98	55	80	5510	79
	125	8.5	16.94	598.2						
	150	10	14.87	525.1						
HDD 110	100	7	21.92	774.1	110/150	98	55	80	6058	79
	125	8.5	20.01	706.7						
	150	10	18.28	645.6						
HDD 132	100	7	24.65	870.6	132/180	98	55	80	6609	79
	125	8.5	23.71	837.3						
	150	10	21.66	765.0						
HDD 160	100	7	29.93	1057.0	160/220	118	78	86	7490	79
	125	8.5	27.00	953.6						
	150	10	24.56	867.3						
HDD 185	100	7	37.00	1306.6	185/250	118	78	86	8812	79
	125	8.5	34.12	1203.0						
	150	10	29.47	1040.7						
HDD 220	100	7	44.22	1561.6	220/300	127	89	96	11675	79
	125	8.5	39.59	1398.1						
	150	10	36.61	1292.8						
HDD 260	100	7	53.24	1880.1	260/350	127	89	96	12336	79
	125	8.5	47.79	1687.7						
	150	10	42.49	1500.6						
HDD 300	100	7	58.88	2079.3	300/400	127	89	96	13218	79
	125	8.5	54.74	1933.1						
	150	10	49.10	1734.0						
HDD 335	100	7	65.04	2296.9	335/450	127	89	96	14209	79
	125	8.5	58.54	2067.3						
	150	10	52.56	1856.1						
	175	12	49.40	1744.6						

- Unit performances measured in reference conditions which are 1 bar/14.5 psig absolute air pressure, %0 relative humidity, 20°C/68 °F inlet air temperature, 71°C/160 °F thermostatic valve set temperature and use of Smartoil.
- Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.
- Refers to sound pressure level measured according to ISO 2151:2008 and ISO ISO 3744:2010 with ± 3 dB(A) tolerance.
- HERTZ KOMPRESSOREN reserves its rights to make changes in its products and specifications without prior notice.