



HVD 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.



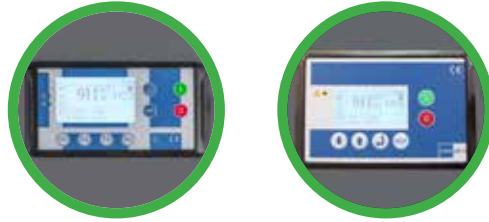
SERVICEABILITY

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

Spin-on or 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

Spin-on separator

Easy replacement, ease of assembly and disassembly
Design that does not require a separator tank



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.

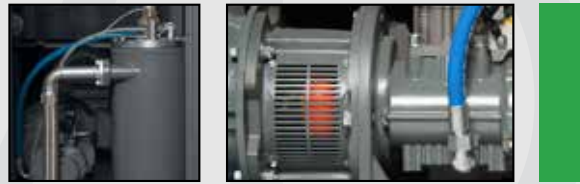




HVD SERIES

Direct Drive & Variable Speed Rotary Screw Air Compressors 5.5-300 kW

HERTZ HVD series variable-speed compressors drive the motor with the frequency converter to adjust the compressor operation speed according to compressed air requirements and save up to 35% energy. Thanks to its high-quality equipment and excellent engineering in its design, it provides a very efficient and flexible use as per requirements.



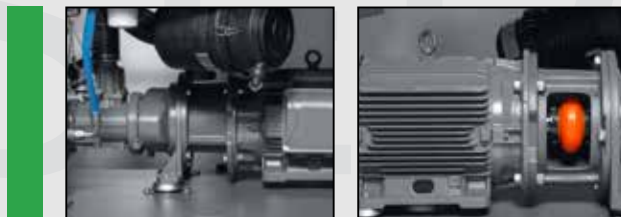
ADVANTAGES

- Up to 35 % energy saving*
- Operation at constant output pressure value
- Wide operating pressure range (100-175 psi)
- Soft starting
- Protection against the adverse effects of peak currents

*When compared with compressors without an inverter for business with variable requirements

MAIN MOTOR AND DRIVE SYSTEM

- Directly coupled one on one (1:1) with the elastic coupling
- Variable-speed starting with frequency converter
- High temperature protection with motor bearings (HVD 5-300)



HVD SERIES

Direct Drive & Variable Speed 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	Minimum		Maximum			Length	Width	Height		
			m ³ /min	cfm	m ³ /min	cfm						
HVD 5	100	7	0.41	14	0.96	34	5.5/7.5	74	25	69	920	72
	125	8.5	0.40	14	0.79	28						
	150	10	0.39	14	0.67	24						
	175	12	0.44	16	0.57	20						
HVD 7	100	7	0.44	16	1.26	45	7.5/10	74	25	69	970	72
	125	8.5	0.43	15	1.09	38						
	150	10	0.42	15	1.00	35						
	175	12	0.48	17	0.87	31						
HVD 11	100	7	0.79	28	1.92	68	11/15	67	29	65	1120	72
	125	8.5	0.78	28	1.67	59						
	150	10	0.75	26	1.61	57						
	175	12	0.98	35	1.52	54						
HVD 15	100	7	0.80	28	2.60	92	15/20	75	29	69	1261	72
	125	8.5	0.78	28	2.34	83						
	150	10	0.75	26	2.17	77						
	175	12	0.98	35	1.85	65						
HVD 18	100	7	0.80	28	3.66	129	18.5/25	64	33	55	1257	72
	125	8.5	0.79	28	3.25	115						
	150	10	0.77	27	2.95	104						
	175	12	0.76	27	2.67	94						
HVD 22	100	7	0.80	28	4.33	153	22/30	64	33	55	1345	72
	125	8.5	0.79	28	3.88	137						
	150	10	0.76	27	3.53	125						
	175	12	0.76	27	3.22	114						
HVD 30	100	7	1.04	37	5.92	209	30/40	80	45	64	2535	73
	125	8.5	1.03	36	5.29	187						
	150	10	1.03	36	4.80	170						
	175	12	1.02	36	4.36	154						
HVD 37	100	7	1.41	50	7.45	263	37/50	80	45	64	2756	75
	125	8.5	1.40	49	6.71	237						
	150	10	1.37	48	6.11	216						
	175	12	1.36	48	5.57	197						
HVD 45	100	7	2.56	90	9.37	331	45/60	80	45	64	2888	78
	125	8.5	2.52	89	8.46	299						
	150	10	2.46	87	7.61	269						
	175	12	2.39	84	6.81	241						
HVD 55	100	7	2.56	90	10.99	388	55/75	91	54	82	4520	78
	125	8.5	2.52	89	9.91	350						
	150	10	2.46	87	9.01	318						
	175	12	2.39	84	8.15	288						
HVD 75	100	7	5.00	177	14.77	522	75/100	91	54	82	4520	79
	125	8.5	4.93	174	13.29	469						
	150	10	4.77	168	12.11	428						
	175	12	4.75	168	11.03	390						
HVD 90	100	7	5.00	177	17.3	611	90/125	98	55	80	5510	79
	125	8.5	4.93	174	15.6	551						
	150	10	4.77	168	14.3	505						
	175	12	4.75	168	13.1	463						
HVD 110	100	7	5.60	198	22.1	780	110/150	98	55	80	6058	79
	125	8.5	5.52	195	20.0	706						
	150	10	5.43	192	18.0	636						
	175	12	5.33	188	16.3	576						
HVD 132	100	7	5.60	198	26.0	918	132/180	98	55	80	6058	79
	125	8.5	5.52	195	23.6	833						
	150	10	5.43	192	21.4	756						
	175	12	5.33	188	19.4	685						
HVD 160	100	7	5.60	198	28.7	1014	160/220	118	78	86	7490	79
	125	8.5	5.52	195	26.4	932						
	150	10	5.43	192	24.2	855						
	175	12	5.33	188	21.9	773						
HVD 185	100	7	8.40	297	34.1	1204	185/250	118	78	86	8812	79
	125	8.5	8.30	293	30.9	1091						
	150	10	8.20	290	28.4	1003						
	175	12	8.10	286	26.2	925						
HVD 220	100	7	10.8	381	44.9	1586	220/300	127	89	96	11675	79
	125	8.5	10.6	375	41.0	1448						
	150	10	10.4	368	37.3	1317						
	175	12	10.2	360	33.9	1197						
HVD 260	100	7	10.8	381	52.1	1840	260/350	127	89	96	12336	79
	125	8.5	10.6	374	47.9	1692						
	150	10	10.4	368	43.9	1550						
	175	12	10.2	360	40.0	1413						
HVD 300	100	7	10.8	381	54.3	1918	300/400	127	89	96	13218	79
	125	8.5	10.6	374	50.0	1766						
	150	10	10.4	368	45.9	1621						
	175	12	10.2	360	42.0	1483						

- 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 E standard.
- Refers to sound pressure level measured according to ISO 2151:2008 and ISO 3744:2010 with ± 3 dB(A) tolerance.
- These are the dimensions of the products with tank&dryer HVD 5-15 series models.
- These are the weights of the products with tank&dryer HVD 5-15 series models.
- HERTZ KOMPRESSOREN reserves its rights to make changes in its products and specifications without prior notice.



HBD 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

Spin-on type separator design depending on the product line

Spin-on separator

Easy replacement, ease of assembly and disassembly
Design that does not require a separator tank

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.





HBD SERIES

Belt Driven Rotary Screw Air Compressors 4-37 kW

HERTZ HBD series compressors are used safely in all applications of small and medium sized businesses thanks to their high performance in operation.

Its service friendly compact structure speeds up your work and minimizes downtime.

MAIN MOTOR DRIVE SYSTEM

- Belt-pulley drive system
- Fast service thanks to easy belt tensioning system



AIR/OIL SEPARATOR

- Easy to disassemble and assemble, service- and maintenance-friendly spin-on type separator.

COOLING SYSTEM

- Quiet and efficient axial fan directly connected to main motor (HBD 4-15)
- Additional axial fan with temperature control (HBD 15L-37)

OTHER FEATURES

- Compact, small footprint, easy to service
- Air tank suitable to ASME standart
- UL Certified electrical component cabinet
- All air and oil tanks comply with ASME standards



HBD SERIES

Belt Driven Rotary Screw AirCompressors

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		
HBD 4	100	7	0.59	21	4/5.5	59	22	53	772	72
	125	8.5	0.53	19						
	150	10	0.49	17						
	175	12	0.43	15						
HBD 5	100	7	0.82	29	5.5/7.5	59	22	53	820	72
	125	8.5	0.78	28						
	150	10	0.70	25						
	175	12	0.66	23						
HBD 7	100	7	1.24	44	7.5/10	71	25	60	875	72
	125	8.5	1.11	40						
	150	10	0.96	34						
	175	12	0.80	28						
HBD 11	100	7	1.92	68	11/15	74	26	63	1151	72
	125	8.5	1.77	63						
	150	10	1.57	55						
	175	12	1.43	51						
HBD 15	100	7	2.28	81	15/20	74	26	63	1239	72
	125	8.5	2.12	75						
	150	10	1.97	70						
	175	12	1.86	66						
HBD 15 L	100	7	2.74	97	15/20	50	34	58	1058	72
	125	8.5	2.46	87						
	150	10	2.17	77						
	175	12	2.01	71						
HBD 18	100	7	3.36	119	18.5/25	50	34	58	1102	72
	125	8.5	3.00	106						
	150	10	2.66	94						
	175	12	2.50	88						
HBD 22	100	7	3.95	139	22/30	50	34	58	1168	73
	125	8.5	3.61	127						
	150	10	3.21	113						
	175	12	3.04	107						
HBD 30	100	7	5.53	195	30/40	63	41	69	1742	80
	125	8.5	4.83	171						
	150	10	4.42	156						
	175	12	4.00	141						
HBD 37	100	7	6.89	243	37/50	63	41	69	1830	81
	125	8.5	6.22	220						
	150	10	5.68	201						
	175	12	5.10	180						

1. 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.
2. Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.
3. Refers to sound pressure level measured according to ISO 2151:2008 and ISO ISO 3744:2010 with ± 3 dB(A) tolerance.
4. These are the dimensions of the products with tank&dryer HBD 4-15 series models.
5. These are the weights of the products with tank&dryer HBD 4-15 series models.
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HDD SERIES -ROTARY SCREW AIR COMPRESSORS



STANDARD EQUIPMENT

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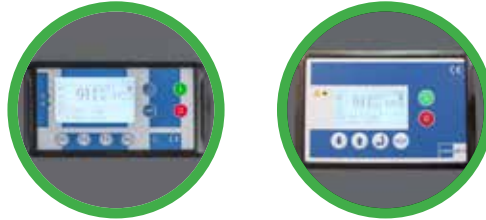
SERVICEABILITY

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

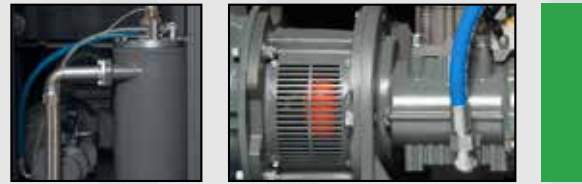
HERTZ HDD series compressors deliver high performance by reducing the power transfer losses with their directly-coupled motor and screw block. Operation expenses are reduced thanks to usage of the latest generation screw block and motor. Responds to all requirements between 22 and 335 kW.

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	141	22/30	64	33	55	1400	70
	125	8.5	3.80	134						
	150	10	3.35	118						
HDD 30	100	7	6.20	219	30/40	80	45	64	2248	70
	125	8.5	5.35	189						
	150	10	4.95	175						
	175	12	4.32	153						
HDD 37	100	7	7.23	255	37/50	80	45	64	2535	75
	125	8.5	6.66	235						
	150	10	6.12	216						
	175	12	5.35	189						
HDD 45	100	7	8.77	310	45/60	80	45	64	2843	78
	125	8.5	7.90	279						
	150	10	7.33	259						
	175	12	6.47	228						
HDD 55	100	7	10.6	374	55/75	91	54	82	4520	78
	125	8.5	9.70	343						
	150	10	8.64	305						
	175	12	8.16	288						
HDD 75	100	7	15.0	530	75/100	91	54	82	4895	78
	125	8.5	13.5	477						
	150	10	11.8	416						
	175	12	11.0	389						
HDD 90	100	7	17.8	629	90/125	98	55	80	5510	79
	125	8.5	16.9	598						
	150	10	14.9	525						
	175	12	12.9	456						
HDD 110	100	7	21.9	774	110/150	98	55	80	6058	79
	125	8.5	20.0	707						
	150	10	18.3	646						
	175	12	15.9	562						
HDD 132	100	7	24.7	871	132/180	98	55	80	6609	79
	125	8.5	23.7	837						
	150	10	21.7	765						
	175	12	18.8	665						
HDD 160	100	7	29.9	1057	160/220	118	78	86	7490	79
	125	8.5	27.0	954						
	150	10	24.6	867						
	175	12	21.2	750						
HDD 185	100	7	37.0	1307	185/250	118	78	86	8812	79
	125	8.5	34.1	1205						
	150	10	29.5	1041						
	175	12	27.5	971						
HDD 220	100	7	44.2	1562	220/300	127	89	96	11675	79
	125	8.5	39.6	1398						
	150	10	36.6	1293						
	175	12	31.9	1128						
HDD 260	100	7	53.2	1880	260/350	127	89	96	12336	79
	125	8.5	47.8	1688						
	150	10	42.5	1501						
	175	12	37.1	1309						
HDD 300	100	7	58.9	2079	300/400	127	89	96	13218	79
	125	8.5	54.7	1933						
	150	10	49.1	1734						
	175	12	40.0	1411						
HDD 335	100	7	65.0	2297	335/450	127	89	96	14209	79
	125	8.5	58.5	2067						
	150	10	52.6	1856						
	175	12	49.4	1745						

1. 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.
2. Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.
3. Refers to sound pressure level measured according to ISO 2151:2008 and ISO ISO 3744:2010 with ± 3 dB(A) tolerance.
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