

hertz
KOMPRESSOREN



HBD
Rotary Screw Air Compressor
5,5-50 HP



15-243
cfm

5,5-50
HP

100-125
150-175
psi

HBD SERIES

*Oil Injected, Belt Driven, Fixed Speed
Rotary Screw Compressors*



General Features

- High quality screw block and motor
- Electronic control
- Optional pressure air tank made from high pressure vessel steel (up to 30 HP)
- Easy installation and quick implementation thanks to its compact design
- All air and oil tanks comply with ASME standards



Advantages

- Economic, service-friendly design minimizes downtime and reduces maintenance costs.
- Models with tanks and integrated dryers are compact and take up little space leaving room for other machinery.





Controller

- Without the need for an external main controller, ability to co-aged work synchronized with Master/Slave for up to two compressors
- Internal ModBus communication
- User-friendly on-screen interface
- Alarm log records last 20 alarms
- Weekly scheduler for starting/stopping the machine at 3 different time intervals can be individually set for each day of the week
- Maintenance warnings and history



Main Motor and Drive System

- IE3 efficiency-class electric motor
- Star/delta motor starter
- Soft start option
- Belt-pulley drive system
- Easy-to-use belt tensioner and pulley bushing for easy servicing



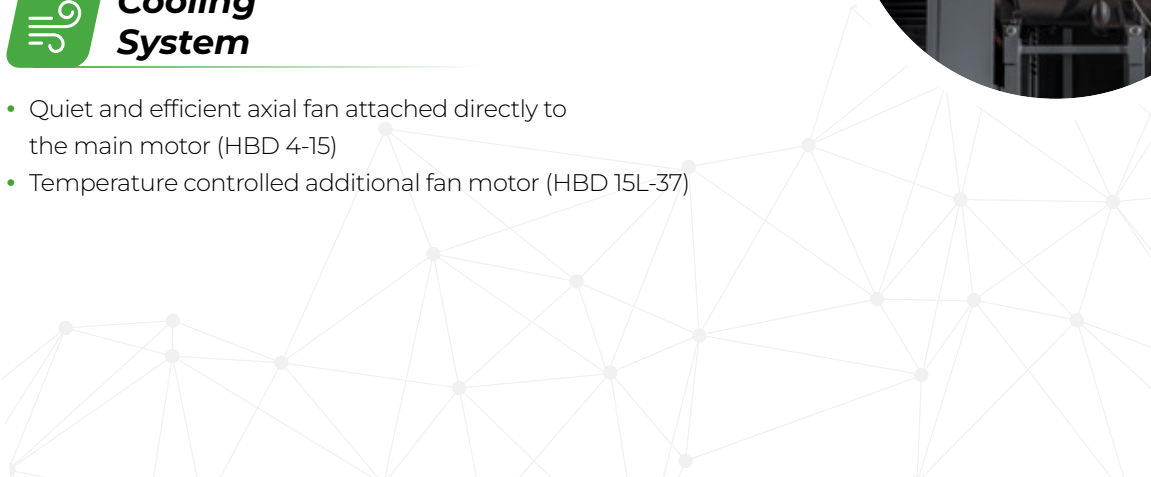
Screw Block

- Durable screw block provides high-capacity of air and is specially selected for each model's capacity requirement
- New rotor profiles for reduced loss air production and lower torque requirements
- Next gen bearing design for improved load bearing capabilities



Cooling System

- Quiet and efficient axial fan attached directly to the main motor (HBD 4-15)
- Temperature controlled additional fan motor (HBD 15L-37)



Model	Pressure		Capacity*		Motor HP/kW	Connection	Dimensions (in.)			Weight lbs
	psi	bar	cfm	m ³ /min			Length	Width	Height	
HBD 4	100	6,9	21	0,6	5,5/4	1/2" NPT	34	22	34	397
	125	8,6	19	0,5						
	150	10,3	17	0,5						
	175	12,1	15	0,4						
HBD 5	100	6,9	29	0,8	7,5/5,5	1/2" NPT	34	22	34	441
	125	8,6	28	0,8						
	150	10,3	25	0,7						
	175	12,1	23	0,7						
HBD 7	100	6,9	44	1,2	10/7,5	3/4" NPT	40	22	33	496
	125	8,6	39	1,1						
	150	10,3	34	1						
	175	12,1	28	0,8						
HBD 11	100	6,9	68	1,9	15/11	3/4" NPT	48	26	36	661
	125	8,6	63	1,8						
	150	10,3	55	1,6						
	175	12,1	51	1,4						
HBD 15	100	6,9	81	2,3	20/15	3/4" NPT	48	26	36	750
	125	8,6	75	2,1						
	150	10,3	70	2						
	175	12,1	66	1,9						
HBD 15 L	100	6,9	97	2,7	20/15	1" NPT	50	33	58	1058
	125	8,6	87	2,5						
	150	10,3	77	2,2						
	175	12,1	71	2						
HBD 18	100	6,9	119	3,4	25/18,5	1" NPT	50	33	58	1102
	125	8,6	106	3						
	150	10,3	94	2,7						
	175	12,1	88	2,5						
HBD 22	100	6,9	140	3,9	30/22	1" NPT	50	33	58	1168
	125	8,6	128	3,6						
	150	10,3	113	3,2						
	175	12,1	107	3						
HBD 30	100	6,9	195	5,5	40/30	1 1/4" NPT	63	41	69	1742
	125	8,6	171	4,8						
	150	10,3	156	4,4						
	175	12,1	141	4						
HBD 37	100	6,9	243	6,9	50/37	1 1/4" NPT	63	41	69	1830
	125	8,6	220	6,2						
	150	10,3	201	5,7						
	175	12,1	180	5,1						

- 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.
- HERTZ KOMPRESSOREN reserves its rights to make changes in its products and specifications without prior notice.
- * Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.



PERFORMANCE
VERIFICATION
PROGRAM