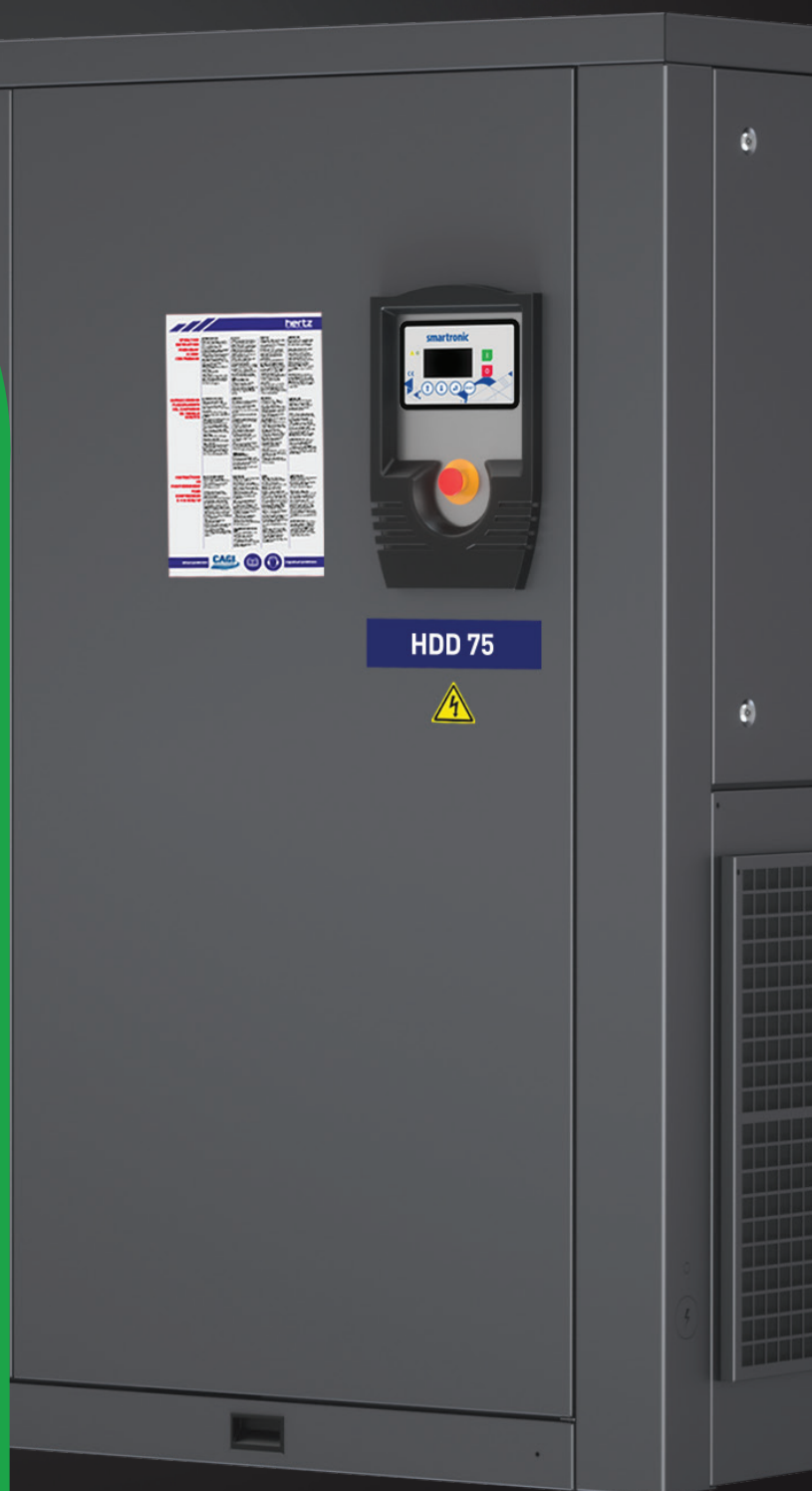


# HDD

Rotary Screw Air Compressors

30-100 HP



107-495  
cfm

30-100  
HP

100-125  
150-175  
psi



## **HDD SERIES**

*Oil Injected, Direct Coupled  
Rotary Screw Air Compressors*

We offer optimum solutions for your industrial production needs with high efficiency and less energy consumption.



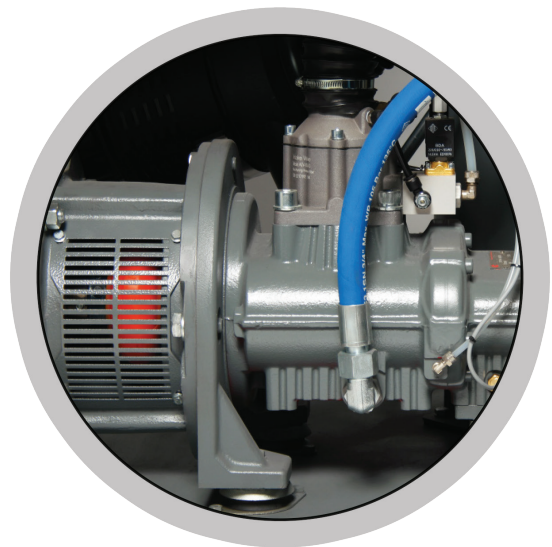
### **General Features**

- Usage up to 113°F ambient temperature
- Suction filter with silencer casing and pre-filtration
- Flexible pipe coupling joints used for water separator
- Optimum inner cabinet air flow for better cooling and air suction
- Oil tank heater for cold environments (optional)



### **Advantages**

- Wide operating pressure range (100-175 psi)
- Easy and fast service with removable and hinged door and panels
- Hinged oil tank cover for easy and fast service





## 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 (75 HP and above)
- Maintenance warnings and history (75 HP and above)



## Main Motor and Drive System

- IE4 IP55 electric motor with F Class insulation
- 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



## Screw Block

- A durable and specially selected screw block that provides high capacity air according to the capacity needs of each model
- New rotor profiles for production with reduced losses and lower torque requirements
- Next gen bearing design for improved load bearing capabilities
- Direct coupling with minimum transition losses



## Cooling System

- Cooling fans controlled with secondary fan inverter (HDD 22-75)
- Independent radiator segments
- Silent and slow speed Radial fan (HDD 22-75)



60 Hz

Model	Pressure		Capacity*		Motor HP/kW	Connection	Dimensions (in.)			Weight
	psi	bar	cfm	m³/min			Width	Length	Height	lbs
HDD 22	100	6,9	133	3,8	30/22	1" NPT	64	33	55	1400
	125	8,6	132	3,7						
	150	10,3	107	3						
HDD 30	100	6,9	207	5,8	40/30	1 1/4" NPT	78	44	64	2248
	125	8,6	183	5,2						
	150	10,3	162	4,6						
	175	12,1	140	3,95						
HDD 37	100	6,9	238	6,7	50/37	1 1/4" NPT	78	44	64	2535
	125	8,6	229	6,5						
	150	10,3	203	5,7						
	175	12,1	178	5						
HDD 45	100	6,9	293	8,3	60/45	1 1/2" NPT	78	44	64	2843
	125	8,6	275	7,8						
	150	10,3	247	7						
	175	12,1	221	6,2						
HDD 55	100	6,9	374	10,6	75/55	1 1/2" NPT	91	54	82	4520
	125	8,6	346	9,8						
	150	10,3	290	8,2						
	175	12,1	277	7,8						
HDD 75	100	6,9	495	14	100/75	1 1/2" NPT	91	54	82	4895
	125	8,6	456	13						
	150	10,3	402	11,4						
	175	12,1	381	10,8						

- 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 E standard.


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**PERFORMANCE**  
VERIFICATION  
PROGRAM