



HPC SINGLE AND DOUBLE STAGE -RECIPROCATING AIR COMPRESSORS



STANDARD EQUIPMENT

High quality components, such as IP55 electric motors cast iron cylinder and crank cases dynamically balanced cast steel crank shaft and counter weight, cast steel connecting rods, CE certified air tanks complying with SPVD and designed as per EN 286-1 standard.



RELIABILITY

HERTZ reciprocating compressors have laid the foundation of the trust for the HERTZ brand as they had been working for many years in many different applications and industries, especially in small enterprises since 1969, when they were first produced. HERTZ reciprocating compressors, which are trouble-free and with a long service life, may be used safely in many applications with single and double stage options.



MAIN MOTOR AND DRIVE SYSTEM

- High efficiency 400V/3 phase/50Hz IP55 electric motor
- Special loadless start system and automatic discharge system for loadless start

COMPRESSOR BLOCK

- Cast iron cylinder with cooling fins and special aluminium alloy cylinder heads
- Specially designed high-speed stainless steel concentric valves.
- Cast iron crankcases with high strength
- Dynamically-balanced cast steel crankshaft and counterweight
- Special alloy aluminium pistons and steel cast connecting rods
- Specially designed finger-type, high-capacity stainless steel suction-discharge valves
- Stainless steel suction-discharge valves, specially designed for high pressure strength





HPC SINGLE AND DOUBLE STAGE Reciprocating Air Compressors

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MAIN MOTOR AND DRIVE SYSTEM

- Belt-pulley drive system
- Specially designed fan type pulleys
- Easy tensioning of belt



SAFETY SYSTEMS

- Solenoid discharge valve for loadless start (on models over 4 kW)
- Pressure switch
- Check valve
- Belt pulley guard
- Relief valve
- Easy tensioning of belt

OTHER FEATURES

- CE Certified air tanks complying with SPVD (Simple Pressure Vessel Directive) and designed as per EN 286-1 standard
- Bearings with a long service life
- Air suction filter and silencer
- Impact lubrication system
- Starting panel (For 1.1 - 4 kW models)





OPTIONS

- Automatic Condensate Discharge Valve for the Air Tank
- Star delta motor starting panel (For 5.5-7.5kW models)



TECHNICAL DATA

MODEL	PRESSURE		CAPACITY (intake)		MOTOR POWER kW/HP	CONNECTION SIZE	DIMENSIONS mm			WEIGHT kg	AIR RECEIVER lt
	bar	PSI	lt/min	SCFM			Width	Depth	Height		
Single-Stage Reciprocating Series											
HPC-S1	8	115	205	7.2	1,1/1,5	1/2"	1202	426	894	93	80
HPC-S2	8	115	327	11.5	1,5/2,0	1/2"	1202	426	914	106	80
HPC-S3	8	115	410	14.5	2,2/3,0	1/2"	1531	450	1037	135	200
HPC-S5	8	115	607	21.4	4,0/5,5	1/2"	1830	466	1145	209	250
HPC-S7	8	115	1013	35.8	5,5/7,5	3/4"	1927	664	1291	308	500
HPC-S10	8	115	1657	58.5	7,5/10	3/4"	1926	668	1413	390	500
Double-Stage Reciprocating Series											
HPC-T2/200	12	175	205	7.2	1,5/2,0	1/2"	1532	450	983	145	200
HPC-T5	15	215	507	17.9	4/5,5	3/4"	1832	474	1097	230	250
HPC-T7	12	175	856	30.2	7,5/10	3/4"	1920	658	1298	374	500
HPC-T10	15	215	828	29.2	7,5/10	3/4"	1925	669	1406	439	500

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