



HPC L SERIES LOW PRESSURE



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 230/460V/3 phase/60Hz IE3 IP55 electric motor
- Special starting system with automatic discharge for no-load 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 of high strength
- Dynamically-balanced cast iron crankshaft and counterweight
- Special alloy aluminium pistons and iron cast connecting rods
- Specially designed finger-type, stainless steel high efficiency suction-discharge valves
- Stainless steel suction-discharge valves, specially designed for high pressure strength





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HERTZ promises suitable, trouble-free equipment with high performance for every kind of application with its HPC L series low pressure reciprocating air compressors. Manufacturing and assembly of every single part of these compressors, in which latest engineering softwares are used during design and analysis phases, are achieved with international quality standards.

MAIN MOTOR AND DRIVE SYSTEM

- High efficiency IE3 class IP55 motors are used as standard.
- Direct-drive mechanism with a flexible coupling
- Compressor block is effectively cooled by a high capacity fan directly coupled to main motor shaft.



SAFETY SYSTEM

- Pressure discharge valve
- Manual discharge valve
- Outlet pressure gauge

COMPRESSOR BLOCK

- Dynamically balanced and precisely manufactured sphero cast crankshafts and cast-iron counter weights prolong the lifecycle of the compressor
- Special design sphero cast concentric valves, which are capable of holding airflow in upper levels as well as working at high temperatures, are specified
- Compression and oil retaining rings are used for holding the airflow maximized and preventing oil leaks





STANDARD FEATURES

- Reciprocating compressor block
- 230/460V/3 phase/60Hz IE3 efficiency class IP55 main motor
- Direct-drive system with flexible coupling
- Long-life bearings
- Air intake filter and its silencer
- Oil splash lubrication system
- Oil level indicator

OPTIONS

- Water separator
- Motor drive system with star-delta connection
- Soft-starter
- Power supply options other than 230/460V/3 phase/60Hz



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TECHNICAL DATA

Model	Pressure		Capacity (intake)		Motor Power kW/hp	Connection Size	Dimensions (in.)			Weight lbs
	bar	psi	m ³ /min	cfm			Length	Width	Height	
HPC L 75	3	43.5	5.67	200	18.5/25	2" NPT	40.0	49.2	33.7	970
HPC L 106	3	43.5	8.43	298	22/30	2" NPT	40.0	49.2	33.7	1190

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