



## HPC BOOSTER SERIES RECIPROCATING BOOSTER AIR COMPRESSORS



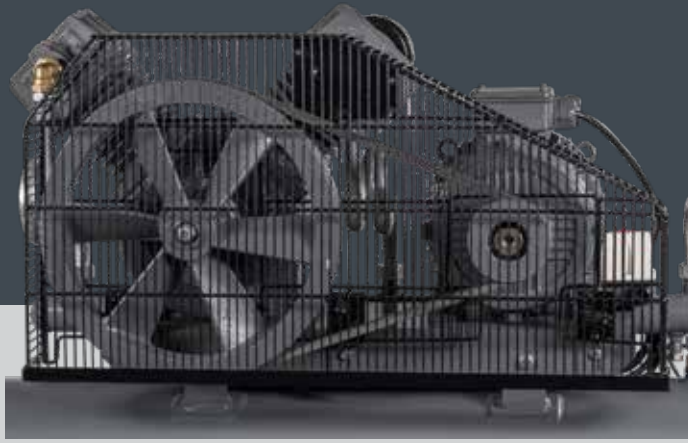
### STANDARD EQUIPMENT

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 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





## HPC BOOSTER SERIES Reciprocating Booster Air Compressors

HERTZ pressurizes the air entering the compressor at 100-190 psi up to 580 psi with the HPC Boosters Series booster compressors in its production range. The HPC Boosters Series products have been preferred by pet bottle manufacturers for many years and have been successfully used in many companies.

### MAIN MOTOR AND DRIVE SYSTEM

- Belt-pulley drive system
- Specially designed fan type cast iron pulley
- Easy belt tensioning system



### SAFETY SYSTEMS

- Intake air control system
- High pressure switch
- Manual discharge valve
- Integrated check valve on the air outlet line
- Belt pulley housing grill
- Outlet pressure manometer
- High pressure relief valve

### OTHER FEATURES

- Automatic discharge system for no-load start
- Bearings with a long service life
- Outlet air cooling radiator
- Load-Unload operating options
- Air suction filter and silencer for no-load operation
- Splash lubrication system
- Oil level gauge
- Special discharge system preventing oil leakage from blow off valve





### OPTIONS

- High pressure air dryer
- High pressure air tank comply with ASME standard
- Air filtering system with oil trap
- Food grade lubricant
- Main motor with IE4 efficiency class



## HPC BOOSTER SERIES

### Reciprocating Booster Air Compressors

### TECHNICAL DATA

Model	Pressure				Capacity (intake)								Motor Power	Connection Size	Dimensions (in.)			Weight
	Minimum		Maximum		7 bar /100 psi		8.5 bar /125 psi		10 bar /150 psi		12 bar /175 psi				Length	Width	Height	
	bar	psi	bar	psi	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm						
HPC BOOSTER 10	15	218	40	580	2.07	73	2.52	89	2.98	105	3.43	121	7.5/10	1" NPT	50.6	32.5	29.7	591
HPC BOOSTER 15	15	218	40	580	2.42	85	2.95	104	3.48	123	4.00	141	11/15	1" NPT	50.6	32.5	29.7	628
HPC BOOSTER 20	15	218	40	580	3.66	129	4.46	158	5.26	186	6.06	214	15/20	1" NPT	53.4	32.3	29.8	661
HPC BOOSTER 25	15	218	40	580	4.83	171	5.89	208	6.94	245	8.00	282	18.5/25	1 1/4" NPT	56.0	34.4	29.0	761
HPC BOOSTER 30	15	218	40	580	5.49	194	6.69	236	7.89	279	9.09	321	22/30	1 1/4" NPT	56.0	34.7	29.0	860
HPC BOOSTER 40	15	218	40	580	6.59	233	8.03	283	9.47	334	10.90	385	30/40	1 1/4" NPT	56.0	38.3	29.0	939

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