

Reciprocating Air Compressors

Horizon Series Reciprocating Air Compressors

Horizon Series - Single Stage (SS)/ Two Stage (TS)

Features

- Designed for continuous duty
- Deep finned cast iron cylinders, aluminium cooler tubes ensuring superior heat dissipation for higher operating efficiency
- Aero dynamically designed fan with large blades for higher air flow
- Efficient cooling to ensure operation at higher ambient temperatures of up to 50 deg C
- Totally enclosed belt guard for utmost safety conforming to Euro norms
- Air receiver, conforming to ASME and Euro norms
- Optimal distribution of load on cylinders for energy efficiency (Two stage models)
- Long life of motor due to no-load starting ensured by built-in unloader
- Sturdy, robust cast iron crankcase
- Forged steel crankshaft supported at both ends for higher dynamic stiffness and least vibrations
- Optimal operating speed for longer service life
- Pressure relief valve provided after each stage of compression for safety
- Convenient oil sight glass and oil drain
- Stainless steel valves for lower wear and lasting compression efficiency
- Efficient air filter to ensure clean intake air for long service life
- Low expansion aluminium alloy piston with International Standard piston rings for positive sealing at elevated temperatures
- Testing as per IS 5456 standards for guaranteed output



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Model	Piston Displacement		Free Air Delivery*		Motor Power		Compressor rpm	Tank Capacity Litres	Overall Dimensions (LxBxH) mm	Net Weight kg
	lpm	cfm	lpm	cfm	HP	kW				
SS SERIES (Maximum Pressure 9kg/cm² / 128 psi, single stage)										
SS 03 090 HN	360	12.7	256	9.0	3	2.2	550	160	1345 x 540 x 1085	205
SS 05 090 HN	605	21.4	443	15.6	5.0	3.7	925	220	1595 x 545 x 1085	265
SS 07 090 HN	921	32.5	708	25	7.5	5.5	690	220	1595 x 635 x 1115	307
SS 10 090 HN	1228	43.4	950	33.6	10.0	7.5	920	220	1595 x 635 x 1115	322
SS 10 090 HN	1228	43.4	950	33.6	10.0	7.5	920	420	1660 x 825 x 1240	367

SS 15 090 HN	1853	66.4	1390	49.1	15	11	925	500	1925 x 885 x 1515	514
TS SERIES (Maximum Pressure 12kg/cm² / 175 psi, two stage)										
TS 03 120 HN	311	10.98	250	8.8	3.0	2.2	925	160	1345 x 510 x 1085	200
TS 03 120 HN	311	10.98	250	8.8	3.0	2.2	925	220	1595 x 510 x 1085	225
TS 05 120 HN	501	17.7	410	14.5	5.0	3.7	925	220	1595 x 585 x 1095	275
TS 07 120 HN	700	24.7	580	20.5	7.5	5.5	1050	220	1600 x 630 x 1120	275
TS 10 120 HT	997	35.2	850	30.0	10.0	7.5	925	420	1650 x 875 x 1315	380
TS 15 120 HN	1535	54.3	1250	44.1	15.0	11.0	1150	500	1925 x 885 x 1350	575
* Measured as per IS 5456 at working pressures for SS models at 7kg/cm ² and for TS models at 10kg/cm ²										

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