25 Years of Energy Saver

Frank AIR COMPRESSOR

Feel the Difference

More Air For Less Power



Beat

CIN No. : U29120TZ2015PTC021250

Heavy Duty Reciprocating Air Compressor

- Cylinders with deep radical fins on outer side for quick heat dissipation.
- Finger valves, concentric disc valves, plates & springs are quickly acting for better performance.
- Forged steel connecting rod with needle bearing for heavy duty operation.
- Crankshaft with double end ball bearings for long life service intervals.
- Less noise level and ease of maintenance.
- Low specific power consumption.

Options



Engine driven compressor

Frank piston Air compressor is the embodiment of reliability. Our robust and functional design has provided many users with a dependable and efficient compressed air supply. Only top quality materials and the latest technologies are used when designing and manufacturing FRANK piston air compressors. Precisely manufactured to the smallest tolerance on modern CNC machines. Frank Piston compressors are subject to extensive quality control before leaving production. This is why Frank piston air compressor is durable and robust.

Crankshaft : Double end ball bearing mounted crank shaft with forged steel connecting rods is precision - ground and runs with minimum vibration.

Connecting Rod : Forged Steel precisely machined connecting rod with solid construction does not require adjustment. Connecting Rod's big end is with needle bearing and small end is with brass bush for heavy duty operation.

Cylinder : Cylinders are made from special cast iron material with deep radial fins on the outer side for heat dissipation. Each cylinder is separately cast, precision- bored and honed for smooth running.

Valve : Stainless steel finger valves are heat- treated, quick-acting. Centric disc valve plates & spring are made from high quality steel material, having large flow- area for longer valve- life and better performance, easy for removal & servicing.

Piston : Equalized and balanced pistons are made from aluminium material. Each piston has compression rings and oil control rings for optimum efficiency.



Beat - 20D



Beat - 10ES



Beat - 20ES to 50ES



Beat - 30S to 100S

MODEL	Piston Displacement	Free Air Delivery	Motor Power		Compressor	Tank Capacity	Dimension L x W x H	Weight
	CFM	CFM	HP	kW	RPM	LITRES	in mm	Kgs.
Direct Driven - Light Duty					(Maximum Pressure - 8 kg/cm² 116 PSI, Single Stage, 1 Ph / 50Hz)			
Beat 20D/25	8.6	4.7	2	1.48	2800	25	510 x 280 x 610	28
Beat 20D/50	8.6	4.7	2	1.48	2800	50	635 x 355 x 685	36
Belt Driven - Heavy Duty					(Maximum Pressure - 8.5 kg/cm² 116 PSI, Single Stage, 1 Ph / 3 Ph / 50Hz)			
Beat 10ES/110	3.5	2.4	1	0.74	1080	110	1015 x 405 x 865	80
Beat 20ES/110	7.0	4.8	2	1.48	1025	110	1015 x 405 x 865	90
Beat 20ES/160	7.0	4.8	2	1.48	1025	160	1295 x 510 x 940	100
Beat 20ES/200	7.0	4.8	2	1.48	1025	200	1550 x 510 x 990	115
Beat 30ES/160	8.0	5.5	3	2.20	720	160	1295 x 510 x 940	105
Beat 50ES/200	17.6	12.4	5	3.70	810	200	1550 x 560 x 990	138
Belt Driven - Heavy Duty					(Maximum Pressure - 10 kg/cm² 145 PSI, Single Stage, 1 Ph / 3 Ph / 50Hz)			
Beat 30S/160	10.5	7.2	3	2.20	810	160	1295 x 560 x 990	124
Beat 30S/200	10.5	7.2	3	2.20	810	200	1550 x 560 x 990	130
Beat 50S/220	23.0	16.0	5	3.70	840	220	1625 x 560 x 1095	200
Beat 75S/220	28.0	19.5	7.5	5.50	960	220	1625 x 610 x 1095	245
Beat 75S/500	28.0	19.5	7.5	5.50	960	500	1980 x 760 x 1320	360
Beat 100S/500	43.4	33.6	10	7.5	960	500	1980 x 760 x 1320	420

* Direct Driven Models are available in 220V/1 Ph/50 Hz Only

* Belt Driven Models From 1 HP to 3 HP Available in 220V/1 Ph/50 Hz and 415V/3 Ph/50 Hz

Frank Technologies Pvt. Ltd.,

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MKTG/2026/11 REV 7

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Smart

Heavy Duty Reciprocating Air Compressor

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Options



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Connecting Rod : Forged Steel precisely machined connecting rod with solid construction does not required adjustment. Connecting Rods big end is with needle bearing and small end is with brass bush for heavy duty operation.

Cylinder : Cylinders are made from special cast iron material with deep radial fins on the outer side for heat dissipation. Each cylinder is separately cast, precision- bored and honed for smooth running.

Valve : Stainless steel finger valves are heat- treated, quick-acting. Centric disc valve plates & spring are made from high quality steel material, having large flow- area for longer valve- life and better performance, easy for removal & servicing.

Piston : Equalized and balanced pistons are made from aluminium material. Each piston has compression rings and oil control rings for optimum efficiency.



Smart - 30T to 75T
Smart - 50H to 75H
Smart - 50TH to 100TH



Smart - 150T to 500T
Smart - 150TH / 500



Smart - 50T / 220E
Smart - 75T / 300E
Smart - 100T / 500E

MODEL	Piston Displacement		Free Air Delivery		Motor Power		Compressor	Tank Capacity
	LPM	CFM	LPM	CFM	HP	KW	RPM	LITRES
Belt Driven - Heavy Duty	(Maximum Pressure - 12 kg/cm2 175 PSI, Two Stage, 3 Ph / 50Hz)							
Smart 30T	300	10.5	252	8.9	3	2.2	720	160/220
Smart 50T	500	17.6	422	14.9	5	3.7	750	220/500
Smart 75T	660	23.2	558	19.7	7.5	5.5	960	220/300/500
Smart 100T	1000	35.2	847	31.0	10	7.5	720	500
Smart 150T	1500	52.9	1273	44.9	15	11.0	1080	500
Engine Driven - Heavy Duty	(Maximum Pressure - 12 kg/cm2 175 PSI, Two Stage)							
Smart 50T/220E	500	17.6	422	14.9	10	-	3000	220
Smart 75T/300E	660	23.2	558	19.7	10	-	3000	300
Smart 100T/500E	1000	35.2	847	31.0	16	-	1440	500
Belt Driven - Heavy Duty	(Maximum Pressure - 17 kg/cm2 241 PSI, Two Stage, 3 Ph / 50Hz)							
Smart 50TH	373	13.2	311	11	5.0	3.7	600	220
Smart 75TH	488	17	413	13	7.5	5.5	840	220/500
Smart 100TH	640	32.5	481	19	10	7.5	960	500
Smart 150TH	1233	43.52	1048	37	15	11	840	500
Belt Driven - Heavy Duty	(Maximum Pressure - 30 kg/cm2 426 PSI, Two Stage, 440V / 3 Ph / 50Hz)							
Smart 50H	240	8.5	201	7.1	5	3.7	720	220
Smart 75H	396	14	331	11.7	7.5	5.5	720	500

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