

DPH Series

Oil Lubricated High Pressure Screw Air Compressor (Fixed Speed & Variable Speed Drive with PM Motor)

18KW-250KW

DIRECT DRIVE TRANSMISSION



High Pressure
Screw Air
Compressor

Deep Pneumatics offers a wide range of Air Compressors to provide complete holistic solutions to customers' needs. Our compressors are used in almost every industrial application in Auto Ancillary, Cement, Ceramic, Chemical, Dairy, Engineering, Food & Beverage, Forging, Foundry, Grain & Rice Milling, Glass, PET Blowing, Plastic, Packaging, Pharmaceuticals, Steel and Power Plant, Textile and many more.

Deep Pneumatics with over 3 decades of vast experience, offers a wide range of Air Compressors used in almost every industrial application. We are always committed to fulfilling customer needs and have received a very high satisfaction rating from our customers across India and are supplied to overseas countries.

There are several industrial applications for High-Pressure Compressed Air and one of the major utilizations is for PET Bottle Blowing segment with operating pressure ranging from 20 Bar - 40 Bar.



Why High-Pressure Screw Air Compressor?

<i>Reciprocating Piston Compressor</i>	<i>Screw Air Compressor</i>
It has several moving parts like connecting rod, crankshaft, piston, piston rings, valves causing mechanical wear & tear. This makes it low on reliability for continuous operations & prone to breakdown.	It has only two moving parts in the screw element without direct contact with each other hence no mechanical wear & tear. This makes it high on reliability for continuous operations.
Due to direct contact of Piston Rings with Cylinder there is drop in capacity resulting loss of efficiency.	No drop in capacity & loss of efficiency.
High vibrations demand heavy foundation / heavy duty AVM to isolate the vibrations.	No vibrations, eliminates the requirement of foundation.
Large footprint requires bigger floor area for installation.	Small footprint ensures less floor area for installation.
High noise level needs separate compressor room resulting in additional piping & increased installation cost.	Low noise makes more convenient to place near demand point resulting low on installation cost.
Typically cooling is through water causing increased operating cost due to cost of water, maintenance, cooling tower, water piping etc.	100% Air cooled models, eliminates the total cost associated with cooling water.
Maintenance time very high on account of too many components.	Maintenance time very low in comparison.
Low capital cost & higher total cost of ownership.	Higher capital cost & lower total cost of ownership.

Technical Specifications

Oil Injected High Pressure Screw Air Compressor

Model	Operating Pressure Range	Capacity (FAD)	Motor Rating	Noise Level	Cooling Fan Power	Compressed Air Outlet Connection	Weight	Dimension (L x W x H)
	Bar	CFM	HP	dB (A)	KW	Inch	Kgs	mm
DPH 25D	20 - 30	61	25	65	0.7	3/4"	868	1650 x 1150 x 1310
DPH 30D	20 - 30	74	30	65	0.7	3/4"	900	1650 x 1150 x 1310
DPH 30DV	20 - 30	30 - 74	30	65	0.7	3/4"	900	1650 x 1150 x 1310
DPH 50D	20 - 30	117	50	67	1.6	3/4"	1340	1900 x 1420 x 1480
DPH 75D	20 - 30	219	75	70	2.2	DN32	2130	2280 x 1500 x 1990
DPH 135DV	20 - 30	135 - 339	135	71	4.5	DN40	2800	2210 x 2100 x 1900
DPH 175DV	20 - 30	191 - 477	175	73	5.3	DN40	2850	2340 x 2200 x 1900
DPH 180D	20 - 30	477	180	73	5.3	DN40	3200	3000 x 1750 x 1900
DPH 250D	20 - 30	692	250	78	5.7	DN65	4320	3200 x 1850 x 2190
DPH 300D	20 - 30	869	300	78	2.5	DN65	4450	3500 x 1900 x 2500

Model	Operating Pressure Range	Capacity (FAD)	Motor Rating	Noise Level	Cooling Fan Power	Compressed Air Outlet Connection	Weight	Dimension (L x W x H)
	Bar	CFM	HP	dB (A)	KW	Inch	Kgs	mm
DPH 30D	30 - 40	56	30	65	0.7	3/4"	900	1650 x 1150 x 1310
DPH 30DV	30 - 40	22 - 56	30	65	0.7	3/4"	900	1650 x 1150 x 1310
DPH 50D	30 - 40	106	50	67	1.6	3/4"	1340	1900 x 1420 x 1480
DPH 75D	30 - 40	201	75	70	2.2	DN32	2130	2280 x 1500 x 1990
DPH 135DV	30 - 40	130 - 325	135	71	4.5	DN40	2800	2210 x 2100 x 1900
DPH 175DV	30 - 40	173 - 434	175	73	5.3	DN40	2850	2340 x 2200 x 1900
DPH 180D	30 - 40	441	180	73	5.3	DN40	3200	3000 x 1750 x 1900
DPH 300D	30 - 40	696	300	78	2.5	DN65	4450	3500 x 1900 x 2250
DPH 340D	30 - 40	840	340	78	2.5	DN65	4530	3500 x 1900 x 2250

D – Direct Drive / **V** – Variable Speed Drive

Note:

- Free Air Delivery (FAD) tested as per ISO 1217:2009
- Due to continuous improvement, specifications are subject to change without prior notice
- Product image is only for representation.

Unique Features	Advantages	Customer Benefits
Superior energy efficient screw technology	Latest technology, improved FAD & performance	Lower operating cost
Fully air-cooled version	Eliminate cooling water cost	No cost associated with cooling water
Premium efficiency motor	Higher electrical efficiency	Lower running cost
Direct drive transmission	Lower transmission losses	Lower running & maintenance cost
Lower noise levels	No requirement of separate compressor room	Reduced installation cost
Compact design	Lower foot-print	Space saving
Foundation free	Low installation cost	Fast installation
Latest generation controller with user friendly interphase	Ease of communication & operation	Ease of monitoring & predictive maintenance planning
Built in inverter drive	Generation as per consumption	Energy savings

Our Widespread Sales Network:

