

OPENING STATEMENT

High-pressure compressed air is not about pushing numbers higher. It is about stability, safety margins, and long-term operational reliability.

In high-pressure applications, every fluctuation increases risk, downtime, and cost. That is why high-pressure systems must be engineered differently — from the core, not adjusted afterward.

WHY HIGH PRESSURE NEEDS A DIFFERENT DESIGN LOGIC

High-pressure operation introduces significantly higher thermal load, mechanical stress, and system sensitivity.

Unlike standard compressors, high-pressure systems must operate continuously under strict control, where failure is not an option.

PRODUCT OVERVIEW

High Pressure Screw Air Compressor
Designed for continuous industrial operation

Pressure Range: 20 bar / 25 bar / 30 bar

Power Range: Customized for demanding applications

Typical Applications: PET bottle blowing, laser cutting, pressure testing, heavy industry



SAVING ENERGY 30%-50%



25-30 Bar
Wide Pressure Range



30-50%
Power Saving



HEAVY-DUTY AIREND FOR HIGH PRESSURE OPERATION

- The air-end is the heart of any high-pressure compressor.
- Our high-pressure airends are specifically designed for increased internal pressure, mechanical load, and continuous operation
- Optimized rotor profiles and reinforced structures ensure stable compression efficiency and extended service life under demanding conditions.

PERMANENT MAGNET MOTOR

- PM motor with high-performance neodymium iron boron (NdFeB) magnets
- The service life is more than 15 years
- The level 1 energy saving PM motor
- Cancels the loss of the excitation system which improves efficiency 5%-12%

SMART TOUCH SCREEN PANEL

- Supports multiple languages
- Control panel has the remind & record function, Display the compressor situation clearly
- Monitor & control key compressor functions



OIL SEPARATION & AIR QUALITY CONTROL

- The oil separation system is designed to maintain consistent pressure drop and separation efficiency over long operating periods, ensuring reliable air quality and system stability.



Type	Power		Max. Working Pressure		F.A.D		Weight kg	Dimension (mm) L*W*H
	kw	hp	bar	psi	m³/min	cfm		
VDH15	11	15	25	362	0.9	31.8	290	1080*750*1000
VDH20	15	20	30	435	1.0	35.3	306	1080*750*1000
VDH30	22	30	25	362	2.0	70.6	424	1380*850*1160
VDH40	30	40	25	362	3.0	105.9	455	1380*850*1160
VDH50	37	50	30	435	3.2	113.0	641	1500*1000*1330
VDH75	55	75	25	362	5.4	190.7	1130	1800*1250*1670
VDH100	75	100	25	362	7.0	247.2	1230	1800*1250*1670
VDH125	90	125	25	362	9.1	321.4	1230	1900*1250*1810
VDH150	110	150	25	362	11.5	406.1	1870	2330*1470*1840
VDH180	132	180	25	362	14.2	501.5	1990	2330*1470*1840
VDH220	160	220	25	362	16.0	565.0	3200	3250*2100*2200
VDH250	185	250	25	362	19.0	671.0	3600	3250*2100*2200
VDH270	200	270	25	362	23.0	812.2	4500	-
VDH300	220	300	30	435	21.5	759.3	-	-
VDH340	250	340	25	362	27.0	953.6	-	-
VDH380	280	380	25	362	29.0	1041.8	-	-
			30	435	26.5	935.8	-	-