



Compressor Technologies | Africa

LS-a Series



LS-a Series

Integrated vertical type oil-cooled PM VSD air end, Class 1 energy saving, low vibration and low noise. Ultra-quiet centrifugal fan for adequate cooling.

Multiple proprietary patents. With “B&D cloud” management system. Compact size, minimised footprint.



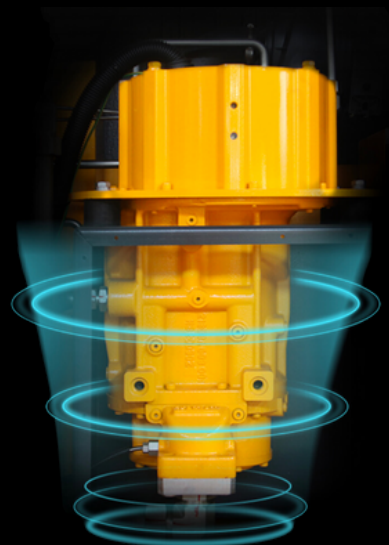
Fully enclosed positive pressure cabinet



The design enhances suction efficiency while eliminating noise and preventing oil leakage and contamination during maintenance, restricting the entry of dust and impurities.

Air-end & Motor

The bearing experiences no radial force, leading to minimal vibration and low noise. The oil outlet of the oil-cooled motor is seamlessly connected to the oil injection port of the air-end through internal channels, which reduces the need for external oil pipelines, accelerates oil flow, and minimizes potential leakage points.



LS-α Series

BD-LS22

- Integrated vertical type oil-cooled PM VSD air end, Class 1 energy saving, low vibration and low noise.
 - Ultra-quiet centrifugal fan for adequate cooling.
 - Fully enclosed positive pressure cabinet, environmentally friendly, and efficiency increased.
 - Multiple proprietary patents.
 - B&D cloud management system.
 - Compact size, minimised footprint
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- Integrated vertical air end + vibration reduction design + flexible discharge pipelines, good dynamic balancing of the rotors, low vibration, low noise and low power consumption.
 - The oil outlet of the oil-cooled motor and the oil injection port of the air end are seamlessly connected through the internal flow passage, reducing the oil pipeline and reducing the leakage point.
 - Fully enclosed positive pressure cabinet, improve suction efficiency, eliminates noise leakage, avoids lubricating oil leakage and contaminating the ground during maintenance.
 - The centrifugal fan is installed on the side panel of the enclosure, and the cooler is installed on the top of the enclosure.
 - The oil level sight glass can be viewed without opening the door of the compressor.
 - Unique air inlet design.



Technical Parameter of LS-α Series

Model	Rated pressure MPa	Pressure range Mpa	Air capacity m³/min	Weight kg	Dimension L*W*H (mm)
BD-LS11	0.7	0.6-0.8	0.73-1.82	340	1083*720*1230
BD-LS15	0.7	0.6-0.8	0.99-2.48		
BD-LS22	0.7	0.6-0.8	1.52-3.8	400	1295*860*1400
	1	0.8-1.0	1.32-3.3		
BD-LS37	0.7	0.6-0.8	2.48-6.2	615	1576*980*1620
	1	0.8-1.0	2.2-5.5		
BD-LS45	0.7	0.6-0.8	2.96-7.9	640	
BD-LS55	0.7	0.6-0.8	4.24-10.6	925	1866*1150*1800
	1	0.8-1.0	3.3-8.3		
BD-LS75	0.7	0.6-0.8	4.72-11.8	1250	1865*1250*1900
	1	0.8-1.0	4.2-10.7		

