

SCREW AIR COMPRESSOR MODEL: LW-50D



Work Flow:



LW-D Series-DIRECT DRIVEN SCREW AIR COMPRESSOR

The Direct Drive of the Compressor eliminates the loss of mechanical energy. Due to the lack of the transmission, this increases the efficiency. A huge advantage is the lack of a systematic replacement of belt drives, which reduces the cost of maintenance of equipment. Due to direct drive, the noise level of the compressor is reduced and energy consumption is saved. In addition, a direct drive compressor can be used in almost any operation environment. It does not react to the ingress of particles of dust or other impurities into the mechanism.

- Microcomputer control System
- Environmental Protection & Durability
- Low Vibration & Low noise
- High efficiency , heavy load , silent



TECHNICAL PARAMETER:

SCREW AIR COMPRESSOR	
Model	: LW-50D
Brand Name	: "PIONEERAIR"
Power	: 37 kw / 50 HP
Rate Pressure	: 1.0 Mpa (10Bar)
Exhaust Volume	: 5.6 m ³ /min (198 cfm)
Driving way	: Direct driven
Cooling Way	: Air cooling

Type of Cooling :		
F.A.D m³/min	0.7 Mpa (101psi)	: 6.4
	0.8 Mpa (116psi)	: 6.2
	1.0 Mpa (145psi)	: 5.6
	1.2 Mpa (174psi)	: 4.6
Discharge Temperature		: ≤Ambient Temperature +15 °C
Ambient Temperature		: 3-40 °C
Lubricant		: 18 Ltr.
Noise Level		: 72±3 Db (A)
Motor Speed		: 2950 rpm
Starting Method		: Y- Δ Start
Voltage/ Frequency		: 3Phase /380V / 50Hz
Isolation Grade		: Grade F
Air Outlet Port Size		: G1 ½
Weight		: 880kgs
Dimensions(LXWXH)		: 1580 x 1080 x 1380mm
Brand New		: China



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لتجارة معدات المصانع ذ.م.م



PLC Controller

- Clear function button and easy operation
- High integration, high reliability



High efficiency electric motor

- High starting torque
- Class F insulation. Protection class IP54, SF ≥ 1.2
- High-quality bearings
- The motor has low noise and long service life



Thermostatic control valve

- Ensure optimum working temperature
- Get more long life of all working parts



Air inlet valve

- Ensure economic control and screw protection
- Prevent lubricant leakage
- Reduce air intake noise



VSD inverter controller(for option)

- Variable speed drive
- Energy saving



High efficiency AIR-END

- Advanced gear profile to minimize the impact, vibration, prolong the life of moving parts. China-made or Germany air end for option



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Oil filter

- Makes serving convenient
- Extend the service life of rotors, bearing and other moving parts



Air/Oil separator

- Special design for efficient servicing
- Efficient separation for economical air post-treatment
- Get more clearer air



Humanized door knob design

- Easy operation, convenient installation and disassembly
- Rotatable screw, flexible tension adjustment as needed



Soundproof plate

- High quality metal plate with high quality soundproof material inserting
- Efficient to educe noise



High quality painting technology

- Adopt high quality powder coating
- Make the surface is smooth and beautiful