Screw Series Air Compressors

· Prominent Quality ·

Screw Series Air Compressors 10HP - 125HP

1 Efficient Cooling System - Production Method Design from West Germany - Based on average Asia temperature, specially designed for high temperature and high damp landform of Asia, the new type of cross exchange cooler not only increases heat exchange capacity by 10% but also increases the material structure and treatment for acid and alkali resistence, and enhances its performance to resist pressure and chemicals.

2 Gas intake valve - Professional designed new type of integrated air intake controller, ensures absolutely all economic controls of operation safety of screw compressor. The controller has replaced some originally unnecessary parts so that the system is simpler and more reliable. The air intake filter eliminates the dust in the air and other impurities harmful to the main machine, improves the quality of air intake and reduces the abnormal wearing of the main machine. Close the intake valve upon opening of main machine to reduce startup loading, and release pressure of oil reservoir drum upon power off and unloading. The lubricant will not flow back to the air intake, the current lead function of the system will reduce air intake noise.

3 Oil & gas separator - Screwing design of oil/gas separator is suitable for disassembling and change, core of separator will separete the residual oil out of compressed air, and isolated residual oil is approximately 1-2 ppm. Enhanced purity of the compressed air will reduce the post-treatment of the compressed air and pollution to the equipment using gas.

4 Remarkable Airend - Firstly, the airend of Altech series of screw compressor is manufactured by ROTORCOMP of Germany, a well-known professional screw engine manufacturer in the world, which ensures strict quality control and it is famous for zero trouble and lowest maintenance cost. Secondly, these main engines are made by advanced equipment and control the tolerance during the process of manufacturing within the micrometer so as to ensure the reliability in use and prolong the life. Thirdly, with classical line design and the sufficient rigidity of rotors, it has large compressing space. The fourth, high quality durable roller bearings are used to keep steady operation. Besides, the main engine is design to be solid and made from high quality materials.

5 Temperature Controller Valve - Designed specially for high environment temperature and high air humidity, upon cold start up, thermal valve enables the system to reach the best working temperature as soon as possible, and maintains constant temperature and viscosity of lubricant to prevent condensing of evaporated gas and emulsification of the lubricant, which prolongs the service life of the lubricant, rotor of the main machine, bearing and other parts.

6 Oil filter - The oil filter adopts screw design for convenience of disassembling, eliminates impurity of lubricant oil and oil deteriorates, extends service life of the main machine rotor, bearing and other moving parts.

AIR-COOLING BELT DRIVEN SCREW AIR COMPRESSOR TECHNICAL DATA

Model		LWP-10	LWP-15	LWP-20	LWP-30	LWP-40	LWP-50	LWP-60	LWP-75	LWP-100
Cooling Model		Air-Cooled								
Free Air Delivery /Discharge Pressure (m³/min/MPa)		1.3/0.7	1.9/0.7	2.4/0.7	3.8/0.7	5.2/0.7	6.4/0.7	7.4/0.7	10.4/0.7	13.2/0.7
		1.2/0.8	1.8/0.8	2.3/0.8	3.6/0.8	5.0/0.8	6.2/0.8	7.2/0.8	10.0/0.8	12.8/0.8
		0.9/1.0	1.4/1.0	1.8/1.0	3.0/1.0	4.4/1.0	5.6/1.0	6.8/1.0	8.5/1.0	10.9/1.0
		0.7/1.2	1.2/1.2	1.6/1.2	2.6/1.2	3.6/1.2	4.6/1.2	6.0/1.2	7.6/1.2	9.8/1.2
Discharge Temp (℃)		Working temperature:below+15℃								
Lubricant (L)		12	16	16	22	26	26	26	54	54
Oil contents in air		≤3~5ppm								
Noise Level dB(A)		70~72±2						72~78±2		
Driving way		Belt								
(Maindriver)	Power (kW)	7.5	11	15	22	30	37	45	55	75
	Motor Speed (rpm)	2945	2945	2945	2945	2945	2945	2945	2945	2945
	Starting Method	Direct drive	Y-△启动 Y-△Starter							
	Voltage/frequency	380V/50Hz								
	Isolation grade	Grade F								
Dimensiea	Length (mm)	650	830	830	1150	1280	1280	1280	1700	1700
	Width (mm)	950	1000	1000	950	1080	1080	1080	1400	1400
	Height (mm)	950	1200	1200	1380	1480	1480	1480	1660	1660
Net weight (Kg)		295	410	420	580	770	780	790	1440	1550

LWP-10 NAMING RULES | LW THE SERIES | P BELT DRIVEN | 10 HORSE POWER

Note:The above technical parameter are subject to change without further notice.

AIR-COOLING DIRECT DRIVEN SCREW AIR COMPRESSOR TECHNICAL DATA

Model		LWG-30	LWG-50	LWG-75	LWG-100	LWG-125	LWG-150	LWG-175	LWG-250	LWG-350
Cooling Model		Air-Cooling								
Free Air Delivery /Discharge Pressure (m³/min/MPa)		3.8/0.7	6.4/0.7	10.4/0.7	13.2/0.7	16.4/0.7	21.0/0.7	25.0/0.7	33.0/0.7	44.0/0.7
		3.6/0.8	6.2/0.8	10.0/0.8	12.8/0.8	15.8/0.8	19.8/0.8	24.0/0.8	32.0/0.8	42.0/0.8
		3.0/1.0	5.6/1.0	8.5/1.0	10.9/1.0	14.0/1.0	18.0/1.0	22.0/1.0	29.0/1.0	39.0/1.0
		2.6/1.2	4.6/1.2	7.6/1.2	9.8/1.2	12.8/1.2	16.0/1.2	19.0/1.2	28.0/1.2	36.0/1.2
Discharge Temp (℃)		Environment temp+15~18℃								
Lubricant (L)		22	26	54	54	72	90	90	110	125
Oil contents in air		≤3~5ppm								
Noise Level dB(A)		68~70±2			70~76±2		75~80±2		80~85±2	
Driving way		Direct drive								
(Maindriver)	Power (kW)	22	37	55	75	90	110	132	185	250
	Motor Speed (rpm)	2945	2945	2945	2945	2945	2945	2945	2945	2945
	Starting Method	Y-△启动 Y-△Starter								
	Voltage/frequency	380V/50Hz								
	Isolation grade	F 级 Grade F								
Dimensiea	Length (mm)	1350	1580	2000	2000	2100	2600	2600	2600	3600
	Width (mm)	950	1080	1400	1400	1510	1510	1510	1510	2000
	Height (mm)	1230	1380	1660	1660	1800	1800	1800	1800	2100
Net weight (Kg)		630	870	1550	1680	2480	2570	2770	2900	5600

LWG-30 NAMING RULES | LW THE SERIES | G DIRECT DRIVEN | 30 HORSE POWER

Note:The above technical parameter are subject to change without further notice.