



TAIWAN QUAN WEI AIR COMPRESSOR

PRODUCT MANUAL



Quanwei Group is located in Kaohsiung, Taiwan, China, and was established in 1986. The company has 6 major series of 158 varieties, multiple specifications of air compressors.



QUANWEI MACHINERY (JIANGSU) CO., LTD.

Suzhou Factory: China(Land) Suzhou No.888
YuPan Road, Xiangcheng District
Hotline: 400-601-4677

TAIWAN QUANWEI GROUP





COMPANY PROFILE

Quanwei Group is located in Kaohsiung, Taiwan, China, and was established in 1986.

In 2016, we set up a branch in Jiangsu, China, mainly producing and developing screw air compressors. Its Minli Sheng company is responsible for sales, mainly with Quanwei brand, Yongying brand and so on.

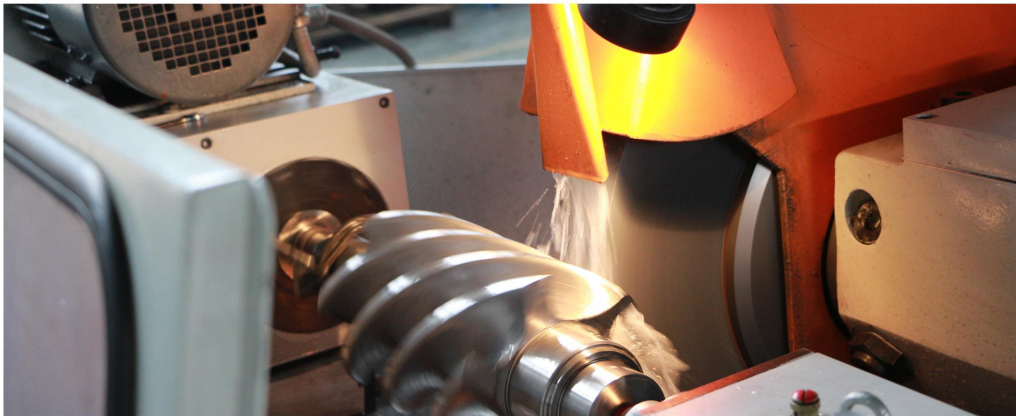
Quanwei Company was awarded the honorary title of outstanding contribution by the local government, a number of invention patents, national high-tech enterprises, specialized special new, private science and technology enterprises. Good quality, a bigger market.

Welcome customers at home and abroad to visit and guide.

FIRST-CLASS PROCESSING EQUIPMENT

Quan Wei Machinery is not a simple "purchase, assembly, and sales" model assembly factory, is from the "market R & D" system. Manufacturing market "fully capable, systematic screw compressor professional manufacturers," based on professional, scientific and technological innovation, the pursuit of excellence "is our purpose, I believe that we are your more trustworthy partners!

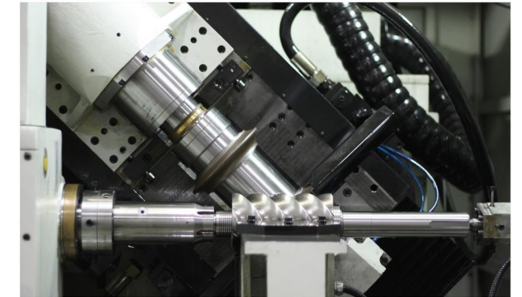
AIR END PROCESSING CENTER



MANUFACTURE FIRST-CLASS PRODUCTS

Quan Wei Machinery has two high precision screw main machine production lines, equipped with imported professional processing and testing equipment and international advanced technology. The casing is machined by precision NC machining center, and the high efficiency linear rotor is machined by CNC high precision grinding. To realize high precision, high energy efficiency, high reliability and long life and

GERMAN ROTOR MEASUREMENT CENTER

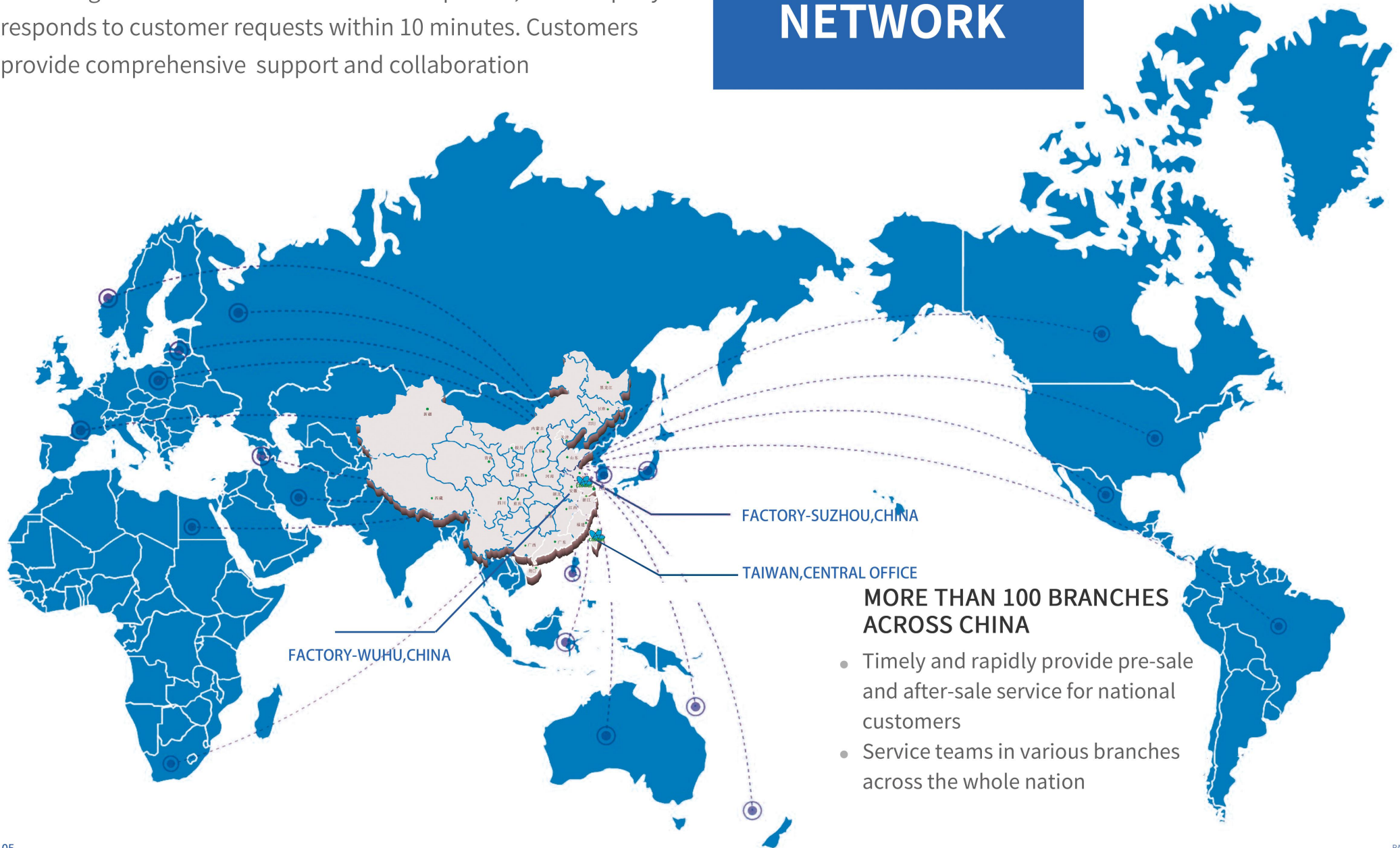


NATIONAL SERVICE HOTLINE

400-601-4677

Receiving customer consultation and complaints, the company responds to customer requests within 10 minutes. Customers provide comprehensive support and collaboration

MARKETING NETWORK



FACTORY-SUZHOU, CHINA

TAIWAN, CENTRAL OFFICE

FACTORY-WUHU, CHINA

MORE THAN 100 BRANCHES ACROSS CHINA

- Timely and rapidly provide pre-sale and after-sale service for national customers
- Service teams in various branches across the whole nation

PERMANENT MAGNET VARIABLE FREQUENCY SCREW AIR COMPRESSOR



Technical specifications of Quanwei permanent magnet variable frequency screw air compressor

Model	KW	HP	MPA	m ³ /min	Dimension (mm)	dB(A)	inch	Weight (kg)	remark
QWL-20ZBY	15	20	0.7	1.0-2.8	1150*800*1100	63±3	G3/4	310	
			0.8	0.8-2.3					
			1.0	0.7-1.9					
			1.3	0.6-1.6					
QWL-30ZBY	22	30	0.7	1.4-3.9	1350*900*1230	65±3	G1	380	
			0.8	1.3-3.6					
			1.0	1.2-3.3					
			1.3	1.0-2.8					
QWL-40ZBY	30	40	0.7	2.0-5.6	1350*900*1230	65±3	G1	400	
			0.8	1.8-5.2					
			1.0	1.5-4.4					
			1.3	1.4-3.9					
QWL-50ZBY	37	50	0.7	2.4-6.9	1500*1000*1400	68±3	G1 1/2	640	
			0.8	2.2-6.4					
			1.0	2.0-5.8					
			1.3	1.8-5.1					
QWL-60ZBY	45	60	0.7	2.7-7.8	1500*1000*1400	68±3	G1 1/2	660	
			0.8	2.6-7.5					
			1.0	2.4-6.9					
			1.3	2.1-5.9					
QWL-75ZBY	55	70	0.7	3.7-10.5	1900*1260*1600	70±3	G2	1060	
			0.8	3.4-9.8					
			1.0	3.1-8.8					
			1.3	2.8-7.9					

Technical specifications of Quanwei permanent magnet variable frequency screw air compressor

Model	KW	HP	MPA	m ³ /min	Dimension (mm)	dB(A)	inch	Weight (kg)	remark
QWL-100ZBY	75	100	0.7	4.8-13.8	1900*1260*1600	70±3	G2	1147	
			0.8	4.6-13.1					
			1.0	4.1-11.6					
			1.3	3.6-10.2					
QWL-125ZBY	90	125	0.7	5.8-16.5	2200*1500*1670	70±3	DN50	1560	
			0.8	5.4-15.5					
			1.0	4.8-13.8					
			1.3	4.0-11.4					
QWL-150ZBY	110	150	0.7	7.5-21.5	2460*1670*1700	72±3	DN80	1870	
			0.8	6.9-19.8					
			1.0	6.1-17.4					
			1.3	5.2-14.8					
QWL-175ZBY	132	175	0.7	8.6-24.5	2460*1670*1700	72±3	DN80	1960	
			0.8	8.1-23.2					
			1.0	7.2-20.5					
			1.3	6.1-17.4					
QWL-200ZBY	160	200	0.7	10.4-29.8	2950*1900*2000	75±3	DN80	3250	
			0.8	9.7-27.6					
			1.0	8.6-24.6					
			1.3	7.5-21.5					
QWL-250ZBY	185	250	0.7	11.4-32.5	2950*1900*2000	75±3	DN80	3650	
			0.8	10.8-30.8					
			1.0	9.7-27.6					
			1.3	8.6-24.6					
QWL-275ZBY	200	275	0.7	12.3-35.2	3000*2200*2300	78±3	DN100	4200	
			0.8	11.5-32.8					
			1.0	10.3-29.3					
			1.3	9.0-25.8					
QWL-300ZBY	220	300	0.7	13.1-37.5	3000*2200*2300	78±3	DN100	4650	
			0.8	12.4-35.3					
			1.0	11.4-32.5					
			1.3	10.3-29.3					
QWL-350ZBY	250	350	0.7	15.1-43.2	3000*2200*2300	78±3	DN100	4950	
			0.8	14.6-41.8					
			1.0	13.5-38.6					
			1.3	12.0-34.2					
QWL-375ZBY	280	375	0.7	18.1-51.8	3480*2200*2350	82±3	DN125	5500	
			0.8	17.4-49.6					
			1.0	15.3-43.8					
			1.3	13.4-38.4					
QWL-425ZBY	315	425	0.7	20.2-57.8	3480*2200*2350	82±3	DN125	6000	
			0.8	19.4-55.4					
			1.0	17.4-49.7					
			1.3	15.1-43.1					

TWO-STAGE COMPRESSION PERMANENT MAGNET SCREW AIR COMPRESSOR



Quan Wei Yong magnetic frequency conversion double stage compressor parameter table

Model	KW	HP	MPA	m ³ /min	Dimension (mm)	dB(A)	inch	Weight (kg)	remark
QWS-20ZY	15	20	0.7	1.1-3.2	1500*1000*1400	65±3	G1 1/4	680	
			0.8	1.0-2.9					
			1.0	0.9-2.5					
			1.3	0.8-2.2					
QWS-30ZY	22	30	0.7	1.6-4.5	1500*1000*1400	65±3	G1 1/4	780	
			0.8	1.5-4.2					
			1.0	1.2-3.5					
			1.3	1.2-3.4					
QWS-40ZY	30	40	0.7	2.4-6.9	1900*1260*1400	65±3	G1 1/2	820	
			0.8	2.2-6.3					
			1.0	1.8-5.2					
			1.3	1.6-4.5					
QWS-50ZY	37	50	0.7	2.8-8.1	1900*1260*1400	68±3	G1 1/2	1200	
			0.8	2.6-7.5					
			1.0	2.2-6.4					
			1.3	2.0-5.6					
QWS-60ZY	45	60	0.7	3.6-10.2	2100*1500*1600	68±3	G2	1600	
			0.8	3.4-9.8					
			1.0	2.8-8.1					
			1.3	2.5-7.2					
QWS-75ZY	55	75	0.7	4.5-12.8	2100*1500*1600	72±3	G2	1780	
			0.8	4.4-12.5					
			1.0	3.4-9.6					
			1.3	3.2-9.1					

Quan Wei Yong magnetic frequency conversion double stage compressor parameter table

Model	KW	HP	MPA	m ³ /min	Dimension (mm)	dB(A)	inch	Weight (kg)	remark
QWS-100ZY	75	100	0.7	6.1-17.5	2200*1500*1670	72±3	DN50	1960	
			0.8	5.8-16.6					
			1.0	4.4-12.5					
			1.3	4.0-11.5					
QWS-125ZY	90	125	0.7	7.3-20.8	2460*1670*1700	74±3	DN80	2350	
			0.8	7.0-19.9					
			1.0	5.9-16.8					
			1.3	5.0-14.3					
QWS-150ZY	110	150	0.7	8.7-24.8	2460*1670*1700	74±3	DN80	2450	
			0.8	8.4-23.9					
			1.0	7.1-20.2					
			1.3	6.5-18.5					
QWS-175ZY	132	175	0.7	10.6-30.2	2950*1900*2000	76±3	DN80	3250	
			0.8	9.9-28.4					
			1.0	8.3-23.8					
			1.3	7.1-20.2					
QWS-200ZY	160	200	0.7	12.1-34.5	2950*1900*2000	76±3	DN80	4020	
			0.8	11.8-33.6					
			1.0	10.7-30.6					
			1.3	8.5-24.2					
QWS-250ZY	185	250	0.7	14.8-42.3	3370*2070*2300	82±3	DN100	4850	
			0.8	13.7-39.1					
			1.0	11.7-33.5					
			1.3	10.3-29.5					
QWS-275ZY	200	275	0.7	15.9-45.5	3370*2070*2300	82±3	DN100	5400	
			0.8	15.1-43.2					
			1.0	13.8-39.5					
			1.3	12.0-34.2					
QWS-300ZY	220	300	0.7	17.8-50.8	3370*2070*2300	84±3	DN100	6100	
			0.8	16.6-47.5					
			1.0	14.9-42.5					
			1.3	13.5-38.5					
QWS-350ZY	250	350	0.7	19.5-55.8	4120*2200*2350	84±3	DN125	6800	
			0.8	19.1-54.5					
			1.0	16.4-46.8					
			1.3	14.5-41.5					
QWS-375ZY	280	375	0.7	22.1-63.2	4120*2200*2350	86±3	DN125	7650	
			0.8	21.5-61.5					
			1.0	19.5-55.8					
			1.3	16.1-46.1					
QWS-425ZY	315	425	0.7	25.3-72.3	4120*2200*2350	86±3	DN125	8450	
			0.8	23.9-68.2					
			1.0	21.5-61.3					
			1.3	18.8-53.8					
QWS-475ZY	355	475	0.7	27.0-77.2	4350*2350*2500	86±3	DN150	9180	
			0.8	25.7-73.4					
			1.0	22.6-64.5					
			1.3	20.1-57.5					
QWS-525ZY	400	525	0.7	30.3-86.7	4350*2350*2500	86±3	DN150	10380	
			0.8	28.2-80.5					
			1.0	29.2-73.5					
			1.3	30.2-63.2					

Remarks:

The volume flow rate (Fad) is tested according to the requirements of ISO01217 [GB/T 3853] under load conditions. According to the different working conditions of the industry, the relevant parameters may be adjusted to provide the appearance chart, the noise value is the standard test conditions, the specific use will be different because of the installation conditions.

Other exhaust pressure (up to 12.5 bar) units, welcome to negotiate, our products continue to improve, reserve the right to design, parameters are subject to change without notice.

DOUBLE TANK LASER CUTTING SPECIAL SCREW AIR COMPRESSOR

- Laser cutting machine is a new type of cutting technology, the use of light beam cutting, this cutting out the items, higher precision. However, when the laser cutting machine is used, auxiliary gases are often used.
- The thickness of the cut item has a lot to do with the choice of gas.
- Generally, the gas compressed by the air compressor is used as an auxiliary gas.



LASER CUTTING PERMANENT MAGNET FREQUENCY CONVERSION PARAMETER TABLE

Model	KW	HP	MPA	m ³ /min	Dimension (mm)	voltage	dB(A)	Outlet diameter	Weight (kg)	Lubricating volume/L	start method
QWL-20ZCY	15	20	2.5	1.4	2000*800*1450	380V/50HZ	68±2	G3/4	249	18	Permanent magnet variable frequency start
			3.0	1.2							
QWL-30ZCY	22	30	2.5	2.3	2000*800*1450	380V/50HZ	68±2	G3/4	249	18	
			3.0	2.1							
QWL-40ZCY	30	40	2.5	3.4	2250*1200*1800	380V/50HZ	68±2	G1	389	18	
			3.0	3.2							
QWL-50ZCY	37	50	2.5	4.2	2250*1200*1800	380V/50HZ	68±2	G1	429	30	
			3.0	4.0							

The above parameters are for reference. If the technical changes are made without further notice, the actual nameplate shall prevail

Remarks:

According to the different working conditions of the industry, the relevant parameters may be adjusted to provide the appearance chart, the noise value is the standard test conditions, the specific use will be different because of the installation conditions.
Other exhaust pressure units, welcome to negotiate, our products continue to improve, reserve the right to design, parameters are subject to change without notice.

SINGLE TANK LASER CUTTING AIR COMPRESSOR

Conventional auxiliary air source: machine

1. Constant pressure operation, no pressure fluctuation, conducive to cutting, cutting speed more uniform.
2. Beneficial to the laser head, avoid pressure fluctuation on the laser head and lens impact and damage.
3. Low noise, integrated mute design, eliminate noise annoyance.
4. Save energy and electricity, reduce production cost.



LASER CUTTING PERMANENT MAGNET FREQUENCY CONVERSION PARAMETER TABLE

Model	KW	HP	MPA	m ³ /min	Dimension (mm)	voltage	dB(A)	Outlet diameter	Weight (kg)	Lubricating volume/L	start method
QWL-20ZCY	15	20	1.6	1.0	1900*800*1400	380V/50HZ	68±2	G3/4	249	18	Permanent magnet variable frequency start
QWL-30ZCY	22	30	1.6	1.9	1900*800*1400	380V/50HZ	68±2	G3/4	249	18	
QWL-40ZCY	30	40	1.6	3.0	2100*1200*1750	380V/50HZ	68±2	G1	389	18	
QWL-50ZCY	37	50	1.6	3.3	2100*1200*1750	380V/50HZ	68±2	G1	429	30	

The above parameters are for reference. If the technical changes are made without further notice, the actual nameplate shall prevail

Remarks:

According to the different working conditions of the industry, the relevant parameters may be adjusted to provide the appearance chart, the noise value is the standard test conditions, the specific use will be different because of the installation conditions. Other exhaust pressure units, welcome to negotiate, our products continue to improve, reserve the right to design, parameters are subject to change without notice.

INTEGRATED AIR COMPRESSOR

FOUR IN ONE

Four-in-one integrated screw air compressor, set screw machine, cold and dry machine, precision filter and gas storage tank in one, plug and play, storage, saving space.

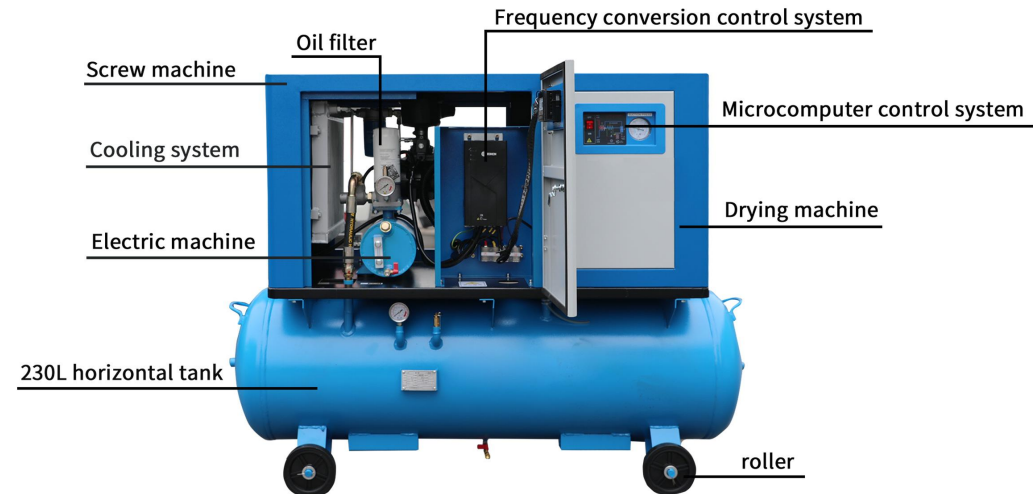


TECHNICAL PARAMETER

Model	KW	Horse-power	m ³ /min	Dimension (mm)	Weight (kg)	dB(A)	Horizontal tank (L)	remark
QWL-6ZCY	4	6HP	0.6	1500*580*1180	220	62±2	230	Four in one with wheels
QWL-10ZCY	7.5	10HP	1.2	1500*580*1180	220	62±2	230	Four in one with wheels
QWL-6ZCY	4	6HP	0.6	1500*580*1180	220	62±2	230	Two in one with wheels
QWL-10ZCY	7.5	10HP	1.2	1500*580*1180	220	62±2	230	Two in one with wheels

The above parameters are for reference. If the technical changes are made without further notice, the actual nameplate shall prevail

INTERIOR DISPLAY



NO OIL AND WATER LUBRICATION

WORKING PRINCIPLE



The principle of the water-lubricating oil-free frequency conversion energy-saving system is as follows: the pressure value of the pipe network measured by the pressure transmitter is compared with the set value of the pressure, and the deviation is obtained. The frequency value of the inverter acting on the asynchronous motor is calculated by the PiD regulator.

The corresponding frequency and amplitude of the alternating current output by the inverter get the corresponding speed on the motor. Then the air compressor outputs the corresponding compressed air to the gas storage tank, so that the pressure changes until the pipe network pressure is the same as the given pressure value, which has obvious energy-saving effect.

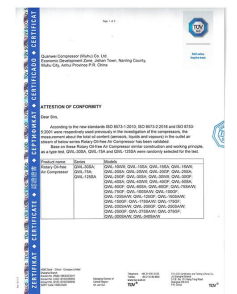
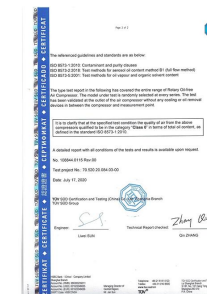
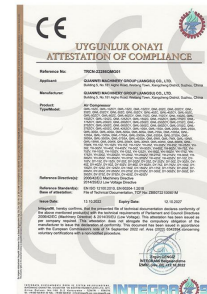


TECHNICAL PARAMETER



Model	KW	Air outlet	MPA	m ³ /min	Dimension (mm)	Weight (kg)	dB(A)	Inlet and outlet of cooling water	Quantity of water (L)	Cooling water inlet and outlet caliber
QWL-7SA	5.5	3/4	0.8	0.3-0.78	800*800*1100	460	57±2	3/4	10	1.5
			1.0	0.2-0.65						
QWL-10SA	7.5	3/4	0.8	0.35-1.17	800*800*1100	510	57±2	3/4	10	2
			1.0	0.3-1.05						
			1.25	0.24-0.81						
QWL-15SA	11	3/4	0.8	0.54-1.72	1200*760*1300	620	60±2	1	26	2.5
			1.0	0.45-1.42						
			1.25	0.35-1.10						
QWL-20SA	15	3/4	0.8	0.75-2.43	1200*760*1300	670	60±2	1	26	3.5
			1.0	0.65-2.17						
			1.25	0.6-1.80						
QWL-30SA	22	1	0.8	1.1-3.62	1400*900*1450	780	63±2	1	30	5
			1.0	0.97-3.21						
			1.25	0.85-2.78						
QWL-40SA	30	1 1/4	0.8	1.55-5.12	1550*1150*1500(A)	1150	66±2	1 1/2	40	7
			1.0	1.25-4.43	1500*1150*1300(W)					
			1.25	1.1-3.63						
QWL-50SA	37	1 1/4	0.8	1.91-6.30	1550*1150*1500(A)	1200	66±2	1 1/2	40	9
			1.0	1.60-5.33	1500*1150*1300(W)					
			1.25	1.42-4.77						
QWL-60SA	45	2	0.8	2.50-7.8	1800*1300*1750(A)	1490	68±2	1 1/2	90	10
			1.0	1.91-6.30	1800*1300*1680(W)					
			1.25	1.70-5.56						
QWL-75SA	55	2	0.8	3.0-9.76	1980*1300*1750(A)	1570	69±2	1 1/2	100	12
			1.0	2.60-8.55	1800*1300*1680(W)					
			1.25	2.30-7.67						

Note: 1.The cooling method of 5.5kw-37kw air compressor is air cooling, and the cooling method behind is water cooling.
2.The above parameters are obtained under standard working conditions, and the above parameters are for reference. If the technical changes are not further notified, the actual nameplate shall prevail



OIL-FREE SCROLL AIR COMPRESSOR 3.7KW-30KW



1. Clean oil-free compressed air
2. A complete set of low pressure permanent Magnet
3. Mute and low noise ,Stability, long use time
4. Small installation area

Obtained TUV CLASS 0 oil free certification

To provide you with clean oil-free compressed air

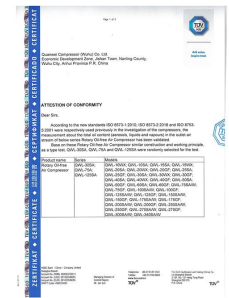
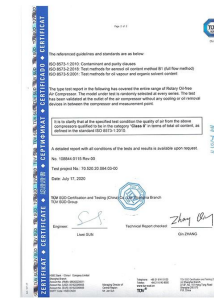
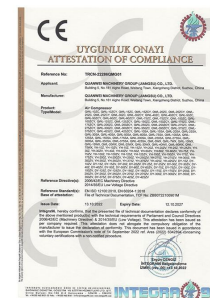


TECHNICAL PARAMETER



Model	QWL-5WX	QWL-7.5WX	QWL-10WX	QWL-15WX	QWL-20WX	QWL-30WX	QWL-45WX
	3.7	5.5	7.5	11	16.5	22	33
	1	1	2	2	3	4	6
Class of protection	IP55						
Flow rate L/MIN	400	600	800	1200	1800	2400	3600
Noise DB(A)	57	58		60		63	
Voltage/V	380						
Rotational speed rpm/min	2870						
BAR	8-10						
Upper and lower pressure differences/bar	0.8						
Dimension/Length, width height(mm)	650*500*870	790*640*1200	980*675*1271	1274*852*1330	1274*850*1770	1565*1276*1330	1565*1274*1775
Weight (KG)	135	215	340	450	560	770	1020

The above parameters are for reference. If the technical changes are made without further notice, the actual nameplate shall prevail



Installation diagram of compressed air purification equipment system

