DG TECH MACHINERY

Pakistan's Trusted Supplier of Industrial Machinery

chi-wai since1986

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

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TAIWAN QUAN WEI AIR COMPRESSOR

PRODUCT MANUAL



TAIWAN QUANWEI GROUP

ISO 9001

CE

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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.

DG TECH MACHINERY

PERMANENT MAGNET VARIABLE FREQUENCY SCREW AIR COMPRESSOR





Technical specifications of Quanwei permanent magnet variable frequency screw air compressor

Model	KW	HP	MPA	m³/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	m³/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					

DG TECH MACHINERY

TWO-STAGE COMPRESSION PERMANENT MAGNET SCREW AIR COMPRESSOR





Quan Wei Yong magnetic frequency conversion double stage compressor parameter table

Model	KW	HP	MPA	m³/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	m³/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	20.1-57.6					
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 IS001217 [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.

DG TECH MACHINERY

NO OIL AND WATER LUBRICATION

WORKING PRINCIPLE

CLASS 0

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

CLASS 0

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) 1500*1150*1300(W)	1150	66±2	1 1/2	40	7
			1.0	1.25-4.43						
			1.25	1.1-3.63						
QWL-50SA	37	1 1/4	0.8	1.91-6.30	1550*1150*1500(A) 1500*1150*1300(W)	1200	66±2	1 1/2	40	9
			1.0	1.60-5.33						
			1.25	1.42-4.77						
QWL-60SA	45	2	0.8	2.50-7.8	1800*1300*1750(A) 1800*1300*1680(W)	1490	68±2	1 1/2	90	10
			1.0	1.91-6.30						
			1.25	1.70-5.56						
QWL-75SA	55	2	0.8	3.0-9.76	1980*1300*1750(A) 1800*1300*1680(W)	1570	69±2	1 1/2	100	12
			1.0	2.60-8.55						
			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







DG TECH MACHINERY

OIL-FREE SCROLL AIR COMPRESSOR3.7KW-30KW

CLASS 0

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

CLASS 0

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







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Installation diagram of compressed air purification equipment system



DG TECH MACHINERY

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Pakistan's Trusted Supplier of Industrial Machinery

Head Office:
48-B, Aibak Block, New Garden Town,
Lahore, Pakistan.
Tel: +92 42 3586 1737, +92 42 3585 2010
E: info@dgtechmachinery.com

www.dgtechmachinery.com

+92 310 4446434

Karachi Office:
Plot No. 225, Sector-27,
Korangi Industrial Area,
Karachi.
T: +92 21 3505 0777

Islamabad Office:
H # 13, St # 786,
Main Double Road,
Sector G-13/14, Islamabad.
T: +92 51 877 4101

China Office:
No. 77, Xinyan East Road,
Ditang Street, Yuyao,
China.
T: +86 134 8648 4846