COMPANY PROFILE

Hubei Teweite Power Technology Co., Ltd (hereinafter as TEWATT) is an ISO9001 &ISO14001 certified professional manufacturer, established in 2009 with a 3,000 square meters of modern manufacturing base at Wuhan urban economic development circle,China, Base on the philosophy of serious, pragmatic and humanity.

The company mainly engaged in: all types of low medium and high pressure screw type air compressor (including Diesel driven air compressor, Electric motor driven air compressor, power frequency compressor, variable frequency compressor) and supporting parts etc. In response to the national environmental protection, energy saving, green for the call, we launched permanent magnet variable frequency air compressor and two stage compressed air compressor and are widely recognized and praised for the market.

Adhering to American Tewatt hundred years' of air compressor manufacturing technology, adhere to the concept of seriousness, pragmatism and humanization, Tewatt devotes itself to provide worldwide users with excellent services and excellent reputation, complimentary advantages with all business partners to create brilliant.

PRODUCTION CAPACITY

Tewatt the screw type air compressor, with excellent performance of manufacturing and materials, First class production equipment, testing equipment and superb technology to create high quality products.

TEWATT

TEWATT Power frequency compressor

Energy, efficient, stable and durable

Model		TWT-10A	TWT-15A	TWT-20A	TWT-25A	TWT-30A	TWT-40A	TWT-50A	TWT-60A	TWT-75A	TWT-100A
Exhaust volume Exhaust Pressure cfm /bar		88.3/3	113/3	134.2/3	183.7/3	218.95/3	261.32/3	353.14/3	452/3	565/3	706.3/3
		60/5	81.22/5	102.41/5	123.6/5	180.1/5	215.5/5	257.8/5	339/5	434.37/5	543.84/5
		42.37/7	58.27/7	88.28/7	113/7	134.19/7	187.16/7	240.13/7	261.32/7	353.14/7	473.21/7
		38.84/8	52.97/8	81.22/8	105.94/8	127.13/8	176.57/8	218.95/8	247.2/8	339/8	444.96/8
		33.54/10	45.9/10	74.16/10	95.34/10	113/10	158.91/10	197.76/10	218.95/10	300.17/10	395.52/10
		28.25/12	38.84/12	67.1/12	84.75/12	95.34/12	141.25/12	176.57/12	197.76/12	268.39/12	353.14/12
		24.01/15	35.98/15	41/15	57.209/15	76.27/15	92.17/15	105.23/15	158.91/15	190.69/15	226.01/15
Lubricating oil qty (ltr)		10	18					30		65	
Noise Db(A)		66±2	68±2						72±2		
Driving Mode		Direct Link									
Power Supply		380V/50Hz									
Power(kw)		7.5	11	15	18.5	22	30	37	45	55	75
Startup Mode		Y- Start Up									
Exterior dimension	L mm	900	1080		1380			1500		1800	
	W mm	670	750		850			1000		1250	
	H mm	850	1020		1185			1345		1670	
Weight Kg		200	360		520		520	800		1350	1400
Outlet Pipe diameter		G 1/2	G3/4		G1			G1-1/2		G2	

Model		TWT-125A	TWT-150A	TWT-175A	TWT-200A	TWT-250A	TWT-300A	TWT-350A	TWT-430A	TWT-480A	TWT-540A
Exhaust volume Exhaust Pressure cfm/bar		812.23/3	999.4/3	1133.6/3	1387.9/3	1518.53/3	-	-	-	-	-
		681.6/5	783.9/5	985.27/5	1108.88/5	1363.14/5	1497.34/5	-	-	-	-
		572/7	741.6/7	865.2/7	1013.53/7	1130/7	1271.32/7	1483.21/7	1801/7	2260.1/7	2514.4/7
		529.7/8	699.23/8	819.3/8	974.68/8	1073.56/8	1211.3/8	1430.24/8	1772.8/8	2154.2/8	2405/8
		487.34/10	614.47/10	724/10	868.74/10	967.62/10	1066.5/10	1349/10	1571.5/10	1995.27/10	2217.76/10
		343.37/12	522.65/12	614.47/12	759.26/12	875.8/12	978.21/12	1218.35/12	1395/12	1730.4/12	1843.42/12
		303.7/15	384.92/15	501.46/15	646.25/15	741.60/15	921.7/15	1002.93/15	-	-	-
Lubricating oil qty ltr		72	90		110		125	150			180
Noise Db(A)		72±2	75±2				82±2			84±2	
Driving Mode		Direct Link									
Power Supply		380V/50Hz									
Power(Kw)		90	110	132	160	185	220	250	315	355	400
Startup Mode		Y- Start Up									
Exterior dimension	L mm	1800	2300			3600					
	W mm	1250	1500			2100					
	H mm	1670	1840			2280					
Weight Kg		1600	2400	2400	2400	3500	4000	4500	6000	6500	7200
Outlet Pipe diameter		G2	G1-1/2			DN85				DN100	

TEWATT Variable frequency compressor

Exquisite workmanship perfect quality

Inverter compressor three years of energy-saving operation of more than unit purchase price

Three year comparison of the cost chart:

Power saving calculation:

For example, a 75KW ordinary units, the average gas production is only 70% of the rated exhaust, running a year of 8000 hours, 0.7 yuan / kWh of electricity, compared with the inverter unit to consume more electricity:

A no-load power consumption: 30% unloading time * unloaded no-load current loss (45% x 75KW/ hours) * 8000 hours / year x 0.7 yuan / degree =56700 yuan / year

B pressure difference power consumption: 70% loading time * higher than 2bat pressure loss caused by (14% x 75KW/ hours) * 8000 hours / year * 0.7 yuan / degree =41160/ years

The above description if the use of variable frequency compressor, three years of energy saving operation of more than a variable frequency unit purchase principal:

56700+41160=97860 yuan * 3=293580 yuan / year

Run 8000 hours a year, average load of 70%, direct power saving results for:

Power	15KW	22KW	37KW	55KW	75KW	90KW	110KW	250KW
Power saving (yuan/year)	19600	28600	48300	71700	97800	117000	143500	326000

Model	TWT-10AV	TWT-15AV	TWT-20AV	TWT-25AV	TWT-30AV	TWT-40AV	TWT-50AV	TWT-60AV	TWT-75AV	TWT-100AV
Exhaust volume Exhaust Pressure cfm/bar	42.37/7	58.27/7	88.28/7	113/7	134.2/7	187.16/7	240/7	261.32/7	353.14/7	473.21/7
	38.84/8	53/8	81.22/8	106/8	127.13/8	176.57/8	219/8	247.2/8	339/8	445/8
	33.54/10	46/10	74.16/10	95.34/10	113/10	159/10	197.76/10	219/10	300.17/10	395.5/10
	28.25/12	38.84/12	67/12	84.75/12	95.34/12	141.25/12	176.57/12	197.76/12	268.4/12	353.14/12
Lubricating oil qty ltr	10	18					30		65	
Noise Db(A)	66±2	68±2						72±2		
Driving Mode	Direct Link									
Power Supply	380V/50Hz									
Power kw	7.5	11	15	18.5	22	30	37	45	55	75
Startup Mode	Y- Start Up, frequency conversion start									
Exterior dimension L mm	900	1080		1380			1500		1900	
Exterior dimension W mm	670	750		850			1000		1250	
Exterior dimension H mm	850	1020		1185			1345		1670	
Weight Kg	200	360		520		520	800		1350	1400
Outlet Pipe diameter	G 1/2	G3/4		G1			G1-1/2		G2	

Model	TWT-125AV	TWT-150AV	TWT-175AV	TWT-200AV	TWT-250AV	TWT-300AV	TWT-350AV	TWT-430AV	TWT-480AV	TWT-540AV
Exhaust volume Exhaust Pressure min/Mpa	572/7	741.6/7	759.26/7	1013.5/7	1130/7	1271.3/7	1483.2/7	1801/7	2260/7	2514/07
	529.7/8	699.23/8	819.3/8	974.68/8	1073.56/8	1211.3/8	1430.2/8	1772.8/8	2154.2/8	2405/8
	487.34/10	614.47/10	724/10	868.74/10	967.62/10	1066.5/10	1349/10	1571.5/10	1995.27/10	2217.7/10
	434.37/12	522.65/12	614.47/12	760/12	875.8/12	978.2/12	1218.35/17	1395/12	1730.4/12	1843.4/12
Lubricating oil qty	72	90		110		125	150			180
Noise Db(A)	72±2	75±2				82±2			84±2	
Driving Mode	Direct Link									
Power Supply	380V/50Hz									
Power	90	110	132	160	185	220	250	315	355	400
Startup Mode	Y- Start Up, frequency conversion start									
Exterior dimension L mm	1800	2300			3600					
Exterior dimension W mm	1250	1500			2100					
Exterior dimension H mm	1670	1840			2280					
Weight Kg	1600	2400	2400	2400	3500	4000	4500	6000	6500	7200
Outlet Pipe diameter	G2	G1-1/2			DN85				DN100	

TEWATT Permanent magnet variable compressor

Core technology excellence

Permanent magnet direct coupling screw machine

Permanent magnet motor and speed control in the inverter with unique new design with high quality, durable and direct host connection, show the compressor technology is extremely advanced, energy saving effect and provides incomparable superior reliability, permanent magnet motor without motor bearing, air compressor is directly driven by the permanent magnet motor, at run time without considering the gears, pulleys, belts, couplings and other moving parts wear or seal leakage or replacement and other issues, but also do not need to gear coaxial sealing proof, high frequency conversion technology will greatly reduce your operating cost, to provide a truly superior technology for you.

Main features:

1. Permanent motor and compressor using embedded integrated direct axis structure, compact structure, transmission efficiency of 100%.
2. No motor bearings, eliminate motor bearing failure point.
3. Equipped with high efficiency permanent magnet motor(PM Motor), Compared with ordinary FM, Such performance is more excellent. Especially when the motor speed is low, the permanent magnet motor can still maintain high more efficiency.
4. Small motor size, generally about the size of the ordinary FM motor 1/3, easy disassembly.
5. Permanent magnet synchronous motor using high-performance NdFeB permanent magnet, 120 degrees without magnetic loss, service life of over 15 years.
6. The stator coil using Inverter dedicated corona resistance enameled wire. Excellent insulation performance, longer service life.

Model		TWT-10APM	TWT-15APM	TWT-20APM	TWT-25APM	TWT-30APM	TWT-40APM	TWT-50APM	TWT-60APM	TWT-75APM	TWT-100APM
Exhaust volume Exhaust Pressure cfm/bar		42.37/7	58.26/7	88.28/7	113/7	134.2/7	187.16/7	240.14/7	261.33/7	353.14/7	473.21/7
		38.84/8	52.97/8	81.2/8	106/8	127.1/8	176.57/8	219/8	247.2/8	339/8	445/8
		33.54/10	46/10	74.1/10	95.34/10	113/10	159/10	197.76/10	219/10	300.17/10	395.52/10
		28.25/12	38.8/12	67/12	84.75/12	95.35/12	141.2/12	176.57/12	197.7/12	268.39/12	353.1/12
Lubricating oil qty ltr		10	18					30		65	
Noise Db(A)		66±2	68±2						72±2		
Driving Mode		Coaxial direct coupling									
Power Supply		380V/50Hz									
Power kw		7.5	11	15	18.5	22	30	37	45	55	75
Startup Mode		Y- Start Up, frequency conversion start									
Exterior dimension	L mm	900	1000		1130			1250		1800	
	W mm	670	750		850			1000		1250	
	H mm	850	1020		1185			1345		1670	
Weight Kg		200	280		380		630	740		1230	1290
Outlet Pipe diameter		G 1/2	G3/4		G1			G1-1/2		G2	

Model		TWT-125APM	TWT-150APM	TWT-175APM	TWT-200APM
Exhaust volume Exhaust Pressure cfm/bar		572.1/7	741.6/7	865.2/7	1013.53/7
		529.71/8	699.23/8	819.3/8	974.68/8
		487.34/10	614.47/10	723.95/10	868.74/10
		434.37/12	522.65/12	614.47/12	759.26/12
Lubricating oil qty ltr		72	90		110
Noise Db(A)		72±2		75±2	
Driving Mode		Coaxial direct coupling			
Power Supply		380V/50Hz			
Power kw		90	110	132	160
Startup Mode		frequency conversion start			
Exterior dimension	L mm	1900	2500		
	W mm	1250	1470		
	H mm	1570	1840		
Weight Kg		1950	2700	2900	3200
Outlet Pipe diameter		G2	DN85		

TEWATT Two Stage compressor

Green Energy - Saving low carbon Emission

Introduction of Double Stage Screw Air Compressor

Double stage screw air compressor in the main parts with double screw, the compression process by the first stage screw and second screw through grading series compression.

Double screw air compressor in addition to uphold twin- screw compressor has the advantages of simple structure, flexible installation and high efficiency, but also highlights the advantages of their own efficient, energy saving:

1. Can reduce the bearing load, improve volume efficiency
2. In case of some load operation, can improve efficiency, energy saving.

Double screw air compressor than twin- screw compressor energy saving up to 15%, each run for 8000 hours a year, Annual savings of about 200 thousand yuan electricity.

Advantages of Two Stage Screw air Compressor:

1. Classification Compression, save compression work through two stage series process, making the original single stage compression process, this process can reduce the set every single stage compression required compression process. Which can effectively reduce each screw in the mesh, required for compression driving power. The ideal gas compression process, single stage compression required power and the power required for multi stage compression are equal, but in the actual process of compression, the coupling loss of power, a series of factors bearing friction coefficient and cooling liquid viscosity with increasing force, no hard to produce beyond the same proportion, so by reducing the compression ratio at all levels can reduce the actual compression without hard process, which makes the multistage compression power required as less than the single stage compression power required.
2. The middle oil cooling reduce the compression process into the gas temperature level all the friction is actually gas and the moving parts and the compression process, since the existence of friction, the gas will generated by the friction temperature rise, inevitable expansion trend, this part of energy in the air compressor the fixed volume in the form will be in force and to get released by way of increasing pressure. The temperature rise of the gas increases the pressures of the gas during compression and increases the compression ratio. So it is necessary to pay extra power to drive the equipment to shrink the air to the desired pressure value. Therefore the two stage screw compressor is equipped with coolant spray curtain device.

Model		TWT-20AII	TWT-25A11	TWT-30AII	TWT-40AII	TWT-50AII	TWT-60AII	TWT-75AII	TWT-100AII
Exhaust volume Exhaust Pressure m3/Mpa		106/7	127.13/7	148.3/7	229.54/7	254.26/7	346/7	452/7	618/7
		102.41/8	123.6/8	144.79/8	226/8	250.73/8	342.5/8	441.43/8	582.69/8
		84.75/10	102.4/10	123.6/10	173/10	222.48/10	275.45/10	328.42/10	441.43/10
		77.67/13	88.28/13	113/13	148.3/13	190.69/13	229.54/13	303.7/13	395.52/13
Lubricating oil qty		18	30					65	
Noise Db(A)		68±2					72±2		
Driving Mode		Direct Link							
Power Supply		380V/50Hz							
Power		15	18.5	22	30	37	45	55	75
Startup Mode		Y- Start Up, frequency conversion start							
Exterior dimension	L mm	1660			1650		2180		
	W mm	1085			1085		1360		
	H mm	1400			1400		1660		
Weight Kg		680			700		1900		
Outlet Pipe diameter		G1- 1/2			G2		G2-1/2		

Model		TWT-125AII	TWT-150AII	TWT-175AII	TWT-200AII	TWT-250AII	TWT-270AII	TWT-300AII	TWT-350AII
Exhaust volume Exhaust Pressure m3/Mpa		734.54/7	865.2/7	1059.43/7	1218.35/7	1448/7	1575/7	1716.3/7	1942.3/7
		699.23/8	830/8	988.81/8	1186.57/8	1356/8	1518.53/8	1659.78/8	1907/8
		596.81/10	695.69/10	830/10	1059.43/10	1147.72/10	1359.61/10	1447.9/10	1624.47/10
		505/13	621.53/13	699.23/13	840.48/13	1010/13	1158.32/13	1341.95/13	1412.58/13
Lubricating oil qty		102	120			140	170		
Noise Db(A)		72±2			75±2			82±2	
Driving Mode		Direct Link							
Power Supply		380V/50Hz							
Power		90	110	132	160	185	200	220	250
Startup Mode		Y- Start Up, frequency conversion start							
Exterior dimension	L mm	2300				3800			
	W mm	1500				1980			
	H mm	1840				2150			
Weight Kg		2400	2400	2400	5350	5450	5600	6500	6600
Outlet Pipe diameter		DN80			DN100			DN125	

TEWATT

Internal structure of compressor

Excellent Performance, from the world's top product configuration system structure perfect.

01. All English control system, easy to operate, can work unattended 24 hours automatically

02. The main electrical components are used Schneider brand, greatly improve the electric life

03. High efficiency and heavy load air filter ensures the quality of the compressor inlet, ensures the safety of the host, and greatly improves the service life of the equipment.

04. High precision oil and gas separation filter can effectively reduce the compressed air exhaust oil content and unit power consumption oil content is only 1-2PPM.

05. Rotary Oil filter, completely filter out impurities in lubricating oil, ensure lubrication and prolong the service life of compressor.

06. Using Advanced international technology production mainframe. Strong heat determines the excellent performance of machine.

07. Using red star intake valve, according to the the system gas requirments, 0-100% automatic regulation of gas, reduce operating costs.

08. Use jiangtian high performance motor, insultion class F, SKF bearing, high efficiency products than 3-5%.

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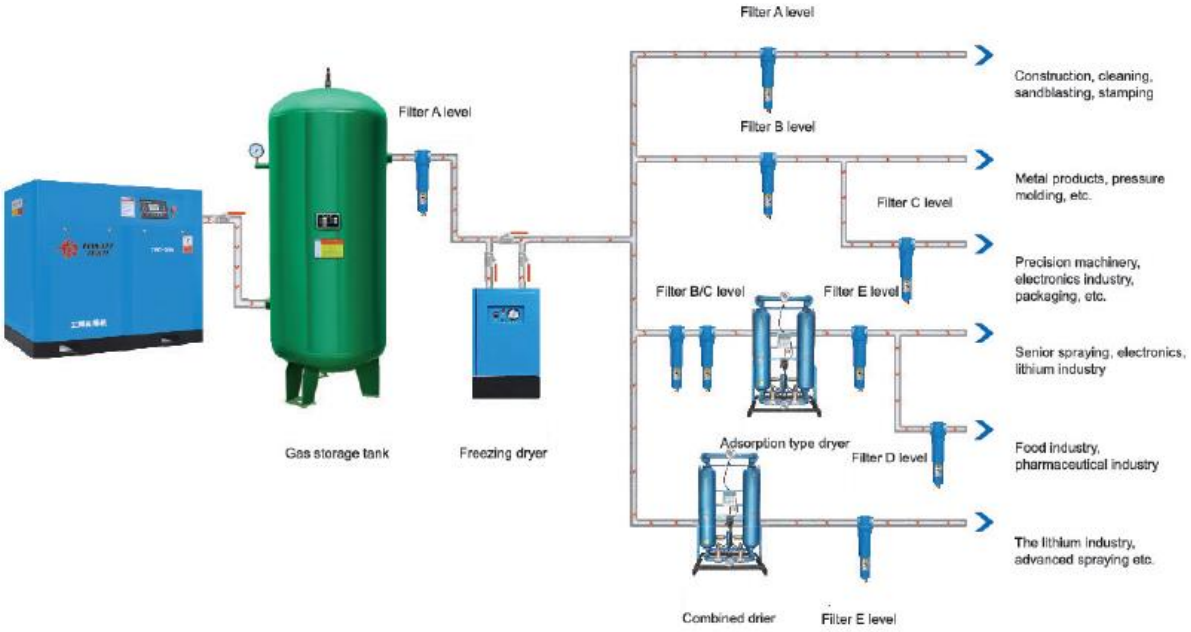
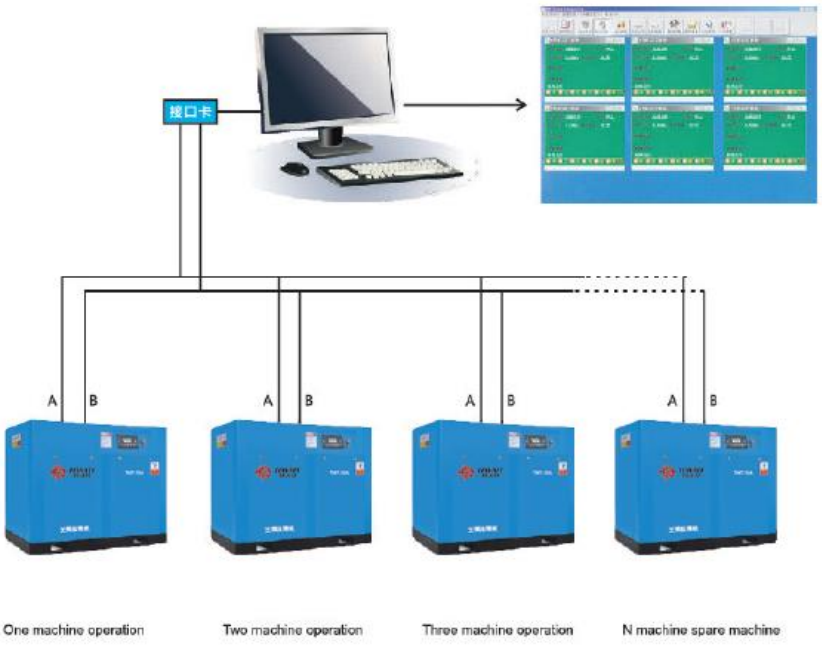
The compressed air system assembly legend



Remote control system



One machine operation | Two machine operation | Three machine operation | N machine spare machine

◆ The A remote control
A communication network is composed of an industrial control computer, an interface conversion port, a screw machine and a communication cable, which can realize remote control and transmit various compressor running state information in time so as to process in time.

◆ The B control
The use of intelligent controller of screw machine, can realize interlocking control units, you can set different operation parameters according to user requirements, according to the number of users to use gas automatic control operation of air compressor size, maximum energy saving.

◆ The C remote control
The use of intelligent screw controller can be matched to allow users far away from the 2000m industrial computer, with a simple button to call the start and stop of the screw machine.