

Screw Air Compressor



GERMANY TECHNOLOGY



**Stationery Screw Compressor - VSD Screw Compressor
Oil Free Screw Compressor - Low-Pressure Screw Compressor
Air Compressor Treatment System**

COMPANY PROFILE



Refer from the growth of industrialization which very fast in Indonesia, that is clearly visible with increasing the construction of new factories or expansion of production, so it takes : Stationery Screw Compressor, Variable Speed Screw Compressor, Oil Free Screw Compressor, Low-Pressure Screw Compressor, Refrigerated Air Dryer, Adsorption Air Dryer, Air Receiver Tank, Air Filter, which is supporter engine a very important for machines production in various industries, such as : Blowing, Press, Injection, Sprey, Impact, Tools, Hydraulic, Pneumatic, Stamping, Drilling, Starting Engines, Filling, Conveyor Belt, etc. There fore, we would like to introduce to you our products, by brand TechComp.

Products that we supply is a warranty brand on the world for a decades and PT. SURYA PUTRA MESINDO as the importer there have been many supply to private compaines or stated-owned companines (BUMN) in the whole Indonesia.

With more inquiry of our products in Indonesia, so that our company has committed to maintaining this trust, with of improving the quality management international standard and supported who are experts in their field so that our products highly quality and have advantages, as follows :

- Design more simple
- The operation is simple
- Maintenance cost more affordable (spare parts is cheap and easy)
- Smooth engine noise (silent)
- Greater capacity with fellow type screw
- Quality guaranteed and reliable

Our company is absolutly committed to the **“Satisfaction of Customer is Our Pride”**

Advanced Production Line

Our production lines are all under the first class design. We constantly debug, update and perfect the existing equipments. With the automatic computer control system, we ensure the high quality and efficiency of our production line.

Systematic Test Procedure

A systematic and intensive performance test for every compressor is carried out on different test platforms in different workshops according to DIN-ISO standards. Thus our compressors are able to perform the specified programs continuously. Not all the compressor manufacturers do such a thorough performance test on their machines like us.



Intelligent Control System - Everything can be controlled by your hands

All the TechComp compressors are equipped with Intelligent Control System, which is the most advanced micro-processor control system in the compressor field. The microprocessor control system was first installed on the compressor during 1980th. With the development of technologies, we keep upgrading our microprocessor control system to insure the convenience of operation and reliability of quality.

More Information, More Accuracy

Intelligent control system can continuously monitor and precisely reveal the condition of the compressor, display the necessary information on the control panel and even implement the multiple compressors coordinated control and remote communication. All these information can be passed to your primary control system or service department through modem system.

Easy Control

You don't need to have the knowledge of computer experts to operate the intelligent control system. All the information is displayed with simple language instead of the complex computer codes. It is easy to change the data. There is no need to open compressor by tools anymore. All you need to do is setting the data on the control panel directly.



Optional Function

Different compressors can be parallel connected and work coordinately. By using both way communication and RS485 interface, the compressor set can be monitored remotely by the controllers.

Fast Diagnosis

Intelligent control system can continuously monitor 11 major operational parameters. When the compressors malfunction or the parameters exceed the pre-set numbers, the system will alarm and stop the compressor. It will also display the reason of the malfunction. This unique function largely shortens the troubleshooting and downtime period. The intelligent control system even has the memory function that remembers all the specifications before the machine shuts down so that the compressors can be re-start with the same specifications.

High Efficiency and Energy Saving

By using the most advanced 5:6 rotors and the optimized rotor profile from Europe, the compressors can achieve high compress efficiency. By adopting the imported inlet valve, the compressors can adjust automatically between 0-100% to reduce wastage and save energy. By customizing the professional motors, the compressors can run safely and save over 5% on electricity power. By using the intelligent control system and the automatic on/of loading system, the compressors are guaranteed to run under lowest operation cost and energy consumption.

Safety and Applicability

With the high strength base, solid housing, high quality imported thermostad valve, strong stainless steel pipe and well-designed anti-dust system, our compressors will not leak or crack under high temperature, high pressure, or high humidity conditions. The applicable temperatures are between -5°C to 46°C.

Super Quiet Design

With the closed sound insulation housing design and the interior sponge sound absorber, the noise can be insulated effectively. Our compressors are more quietly than the major competing machines for at least 3dB(A) to 5dB(A). The reasonable structure design makes the compressors easy to test and repair.



Motor

With the tailor-made low RPM motor and the isolation rate F SKF bearings, our compressors are ensured to operate reliably and are 3% to 5% more efficient than competing machines.



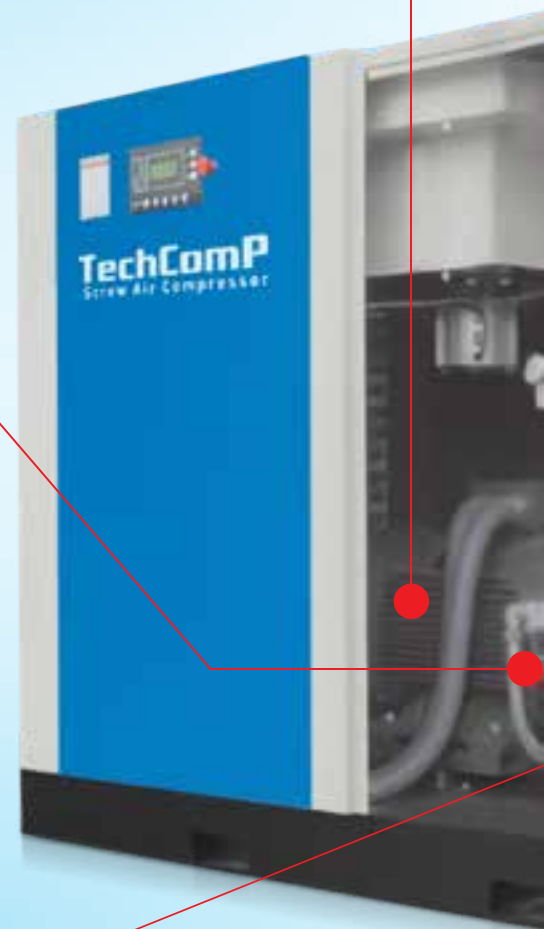
Oil Filter

Adopting the aerospace design revolving oil filter with superior materials, our oil filters show a better filtering result than other oil filters and effectively extend the service life of air-ends.



Oil-Air Separator

With the super high volume tank, the superior quality separator components, and the advanced design thrice oil-air separator, our compressors can ensure the high quality of the compressed air which contains less than 3ppm oil.





● Air Filter

By using the large dust holding and low flow resistance design, our air filters can filter the micro articles in the air to ensure every component of the system works normally and efficiently. The dust holding rate is over 99.5%.



● Inlet Valve

With the advanced design, the inlet valve can be adjusted between 0 to 100%. By using the volume adjustment valve, the compressors will loss less pressure and have a longer service life.



● Air-end

By using the most advanced 5:6 rotors and the optimized rotor profile from Europe, our air-ends are the best-in-class with low noise, low energy consumption, low maintenance cost and long reliable service life.



Stationery Screw Compressor

TechComp
SCREW AIR COMPRESSOR



Belt Drive



Direct Drive

Stationery Screw Compressor Specifications :

Belt Drive

Model	TC-7.5A	TC-10A	TC-15A	TC-20A	TC-25A	TC-30A	TC-40A	TC-50A	TC-60A	TC-75A	TC-100A	
Capacity / Pressure (m ³ .min/Mpa)	0.85/0.7	1.2/0.7	1.7/0.7	2.4/0.7	3.1/0.7	3.8/0.7	5.2/0.7	6.4/0.7	8.0/0.7	10.5/0.7	13.6/0.7	
	0.78/0.8	1.1/0.8	1.6/0.8	2.2/0.8	2.9/0.8	3.5/0.8	5.0/0.8	6.1/0.8	7.7/0.8	9.8/0.8	13.3/0.8	
	0.65/1.0	0.95/1.0	1.4/1.0	2.0/1.0	2.7/1.0	3.2/1.0	4.3/1.0	5.7/1.0	7.0/1.0	8.7/1.0	11.6/1.0	
	0.5/1.3	0.8/1.3	1.2/1.3	1.7/1.3	2.2/1.3	2.9/1.3	3.7/1.3	5.1/1.3	5.8/1.3	7.5/1.3	9.8/1.3	
Motor	Power (KW)	5.5	7.5	11	15	18.5	22	30	37	45	55	75
	Horsepower	7.5	10	15	20	25	30	40	50	60	75	100
Noise dB(A)	65±2	66±2	68±2	68±2	69±2	69±2	69±2	70±2	72±2	73±2	75±2	
Air Outlet Pipe Diameter	G3/4	G3/4	G3/4	G3/4	G1 1/4	G1 1/4	G1 1/4	G1 1/2	G1 1/2	G2	G2	
Weight (Kg)	200	200	335	350	500	500	560	700	820	1300	1350	
Canopy Dimension	L(mm)	750	750	950	930	1100	1100	1100	1200	1200	1500	1550
	W(mm)	650	650	770	770	850	850	850	1000	1000	1150	1270
	H(mm)	830	830	1050	1100	1300	1300	1300	1420	1420	1500	1500
Cooling Air Flow (m ³ .min) H (mm)	23	23	91	91	100	100	100	180	191	320	330	
Starting Method	Direct				Star Triangle							
Drive Mode	Belt Drive											

Stationery Screw Compressor

Stationery Screw Compressor Specifications :											Direct Drive
Model	TC-30AZ	TC-40AZ	TC-50AZ	TC-60AZ	TC-75AZ	TC-100AZ	TC-125AZ	TC-150AZ	TC-180AZ	TC-220AZ	
Capacity / Pressure (m ³ .min/Mpa)	3.8/0.7	5.2/0.7	6.4/0.7	8.0/0.7	10.5/0.7	13.6/0.7	16.3/0.7	20.8/0.7	24.8/0.7	28.5/0.7	
	3.5/0.8	5.0/0.8	6.1/0.8	7.7/0.8	9.8/0.8	13.3/0.8	16.0/0.8	20.6/0.8	24.0/0.8	27.0/0.8	
	3.2/1.0	4.3/1.0	5.7/1.0	7.0/1.0	8.7/1.0	11.6/1.0	14.6/1.0	17.0/1.0	20.0/1.0	23.2/1.0	
	2.9/1.3	3.7/1.3	5.1/1.3	5.8/1.3	7.5/1.3	9.8/1.3	12.3/1.3	14.2/1.3	16.5/1.3	19.7/1.3	
Motor	Power (KW)	22	30	37	45	55	75	90	110	132	160
	Horsepower	30	40	50	60	75	100	125	150	180	220
Noise dB(A)		69±2	69±2	70±2	72±2	73±2	75±2	75±2	75±2	75±2	75±2
Air Outlet Pipe Diameter		G1 1/4	G1 1/4	G1 1/2	G1 1/2	G2	G2	G2	DN65	DN65	DN80
Weight (Kg)		520	650	720	900	1350	1400	1700	2500	2600	3150
Canopy Dimension	L(mm)	1300	1500	1500	1500	1650	1800	2000	2380	2380	3000
	W(mm)	850	1000	1000	1150	1170	1200	1250	1650	1650	1800
	H(mm)	1115	1300	1300	1500	1440	1500	1700	1900	1900	2050
Cooling Air Flow (m ³ .min) H (mm)		100	100	180	191	320	330	400	450	450	500
Starting Method		Star Triangle									
Drive Mode		Direct Drive									

Stationery Screw Compressor Specifications :											Direct Drive (Gear Box)
Model	TC-250AZ	TC-300AZ	TC-340AZ	TC-420W	TC-480W	TC-540W	TC-600W	TC-670W	TC-750W	TC-840W	
Capacity / Pressure (m ³ .min/Mpa)	32.5/0.7	38.6/0.7	43.9/0.7	56.0/0.7	64.0/0.7	74.0/0.7	85.0/0.7	93.0/0.7	105.0/0.7	125.0/0.7	
	30.2/0.8	36.4/0.8	42.5/0.8	53.0/0.8	62.0/0.8	72.0/0.8	82.0/0.8	91.0/0.8	100.0/0.8	120.0/0.8	
	27.0/1.0	33.1/1.0	38.8/1.0	49.0/1.0	57.6/1.0	62.0/1.0	70.0/1.0	82.0/1.0	85.0/1.0	100.0/1.0	
	22.5/1.3	30.5/1.3	34.6/1.3	43.0/1.3	49.0/1.3	56.5/1.3	60.5/1.3	68.0/1.3	-	-	
Motor	Power (KW)	185	220	250	315	355	400	450	500	560	630
	Horsepower	250	300	340	420	480	540	600	670	750	840
Noise dB(A)		78±2	78±2	78±2	80±2	82±2	83±2	84±2	86±2	88±2	88±2
Air Outlet Pipe Diameter		DN80	DN100	DN100	DN125	DN125	DN150	DN150	DN200	DN200	DN200
Weight (Kg)		3330	4300	4600	6500	7000	7500	8100	8500	9000	9000
Canopy Dimension	L(mm)	3000	3000	3000	3800	3800	4200	4650	4650	4650	4650
	W(mm)	1800	1980	1980	2280	2280	2200	2050	2150	2150	2150
	H(mm)	2050	1900	1900	2248	2248	2350	2120	2120	2120	2120
Cooling Air Flow (m ³ .min) H (mm)		600	900	900	-	-	-	-	-	-	-
Starting Method		Star Triangle									
Drive Mode		Direct Drive (Gearbox)									

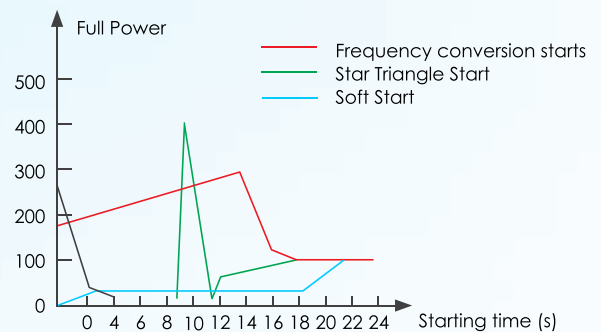
* Water-Cooled Version is available upon request. A means Air-cooled, W means Water-cooled.

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TechComp variable speed screw compressor is developed based on the most advanced frequency conversion technology from Germany. It has many features such as stable air source, easy control system, optimized protection function, long running life, and energy saving. Above all these features, the most remarkable feature will be energy saving. TechComp variable speed screw compressor represents the new trend of energy efficiency.

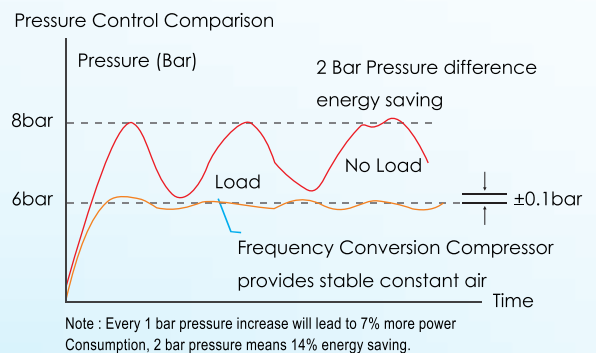
More Reliable :

- The frequency conversion machine starts smoothly and can avoid the peak current which might burden your whole power supply.
- Avoiding the negative factors from constant high speed running.
- Lowering the possibility of system leak by setting the surpass pressure under 2 bar.



Energy Saving :

- With the variable speed system, the output pressure of the compressor can perfectly match with the demand of the system, which avoid no-load energy consumption.
- Under the inconstant air demand, the frequency conversion system can start without peak current, which avoids the overload and allows the compressor to stop frequently.
- With 2 bar output pressure control, the system can save 14% on energy consumption.



Stable Air :

- The displacement pressure can be set between 3-14 bar without gearbox or belt.
- A pre-set stable constant pressure will be output in a range of ± 0.1 bar.
- When the system has a high demand of air, the machine will run faster and keep providing stable air.
- When the system has a low demand of air, the machine will run slower and keep providing stable air.

Variable Speed Screw Compressor

Variable Speed Screw Compressor Specifications :

Belt Drive

Model		TC-7.5AV	TC-10AV	TC-15AV	TC-20AV	TC-25AV	TC-30AV	TC-40AV	TC-50AV	TC-60AV	TC-75AV	TC-100AV
Capacity / Pressure (m ³ .min/Mpa)		0.85/0.7	1.2/0.7	1.7/0.7	2.4/0.7	3.1/0.7	3.8/0.7	5.2/0.7	6.4/0.7	8.0/0.7	10.5/0.7	13.6/0.7
		0.78/0.8	1.1/0.8	1.6/0.8	2.2/0.8	2.9/0.8	3.5/0.8	5.0/0.8	6.1/0.8	7.7/0.8	9.8/0.8	13.3/0.8
		0.65/1.0	0.95/1.0	1.4/1.0	2.0/1.0	2.7/1.0	3.2/1.0	4.3/1.0	5.7/1.0	7.0/1.0	8.7/1.0	11.6/1.0
		0.5/1.3	0.8/1.3	1.2/1.3	1.7/1.3	2.2/1.3	2.9/1.3	3.7/1.3	5.1/1.3	5.8/1.3	7.5/1.3	9.8/1.3
Motor	Power (KW)	5.5	7.5	11	15	18.5	22	30	37	45	55	75
	Horsepower	7.5	10	15	20	25	30	40	50	60	75	100
Noise dB(A)		65±2	66±2	68±2	68±2	69±2	69±2	69±2	70±2	72±2	73±2	75±2
Air Outlet Pipe Diameter		G3/4	G3/4	G3/4	G3/4	G1 1/4	G1 1/4	G1 1/4	G1 1/2	G1 1/2	G2	G2
Weight (Kg)		200	200	335	350	500	500	560	700	820	1300	1350
Canopy Dimension	L(mm)	750	750	950	930	1100	1100	1100	1300	1300	1650	1700
	W(mm)	650	650	770	770	1000	1000	1000	1000	1000	1350	1550
	H(mm)	830	830	1050	1100	1240	1240	1240	1350	1350	1500	1600
Drive Mode		Belt Drive										

Variable Speed Screw Compressor Specifications :

Direct Drive

Model		TC-30AZV	TC-40AZV	TC-50AZV	TC-60AZV	TC-75AZV	TC-100AZV	TC-125AZV	TC-150AZV	TC-180AZV	TC-220AZV	TC-250AZV
Capacity / Pressure (m ³ .min/Mpa)		3.8/0.7	5.2/0.7	6.4/0.7	8.0/0.7	10.5/0.7	13.6/0.7	16.3/0.7	20.8/0.7	24.8/0.7	28.5/0.7	32.5/0.7
		3.5/0.8	5.0/0.8	6.1/0.8	7.7/0.8	9.8/0.8	13.3/0.8	16.0/0.8	20.6/0.8	24.0/0.8	27.0/0.8	30.2/0.8
		3.2/1.0	4.3/1.0	5.7/1.0	7.0/1.0	8.7/1.0	11.6/1.0	14.6/1.0	17.0/1.0	20.6/1.0	23.2/1.0	27.0/1.0
		2.9/1.3	3.7/1.3	5.1/1.3	5.8/1.3	7.5/1.3	9.8/1.3	12.3/1.3	14.2/1.3	16.5/1.3	19.7/1.3	22.5/1.3
Motor	Power (KW)	22	30	37	45	55	75	90	110	132	160	185
	Horsepower	30	40	50	60	75	100	125	150	180	220	250
Noise dB(A)		69±2	69±2	70±2	72±2	73±2	75±2	75±2	75±2	75±2	75±2	78±2
Air Outlet Pipe Diameter		G1 1/4	G1 1/4	G1 1/2	G1 1/2	G2	G2	G2	DN65	DN65	DN80	DN80
Weight (Kg)		520	650	720	900	1350	1400	1700	2500	2600	3150	3330
Canopy Dimension	L(mm)	1300	1500	1500	1500	1650	1800	2000	2380	2380	3000	3000
	W(mm)	850	1000	1000	1150	1170	1200	1250	1650	1650	1800	1800
	H(mm)	1115	1300	1300	1500	1440	1500	1700	1900	1900	2050	2050
Drive Mode		Direct Drive										

Model		TC-300AZV	TC-340AZV	TC-420WV	TC-480WV
Capacity / Pressure (m ³ .min/Mpa)		38.6/0.7	43.9/0.7	56.0/0.7	64.0/0.7
		36.4/0.8	42.5/0.8	53.0/0.8	62.0/0.8
		33.1/1.0	38.8/1.0	49.0/1.0	57.6/1.0
		30.5/1.3	34.6/1.3	43.0/1.3	49.0/1.3
Motor	Power (KW)	220	250	315	355
	Horsepower	300	340	420	480
Noise dB(A)		78±2	78±2	80±2	82±2
Air Outlet Pipe Diameter		DN100	DN100	DN125	DN125
Weight (Kg)		4300	4600	6500	7000
Canopy Dimension	L(mm)	3000	3000	3800	3800
	W(mm)	1980	1980	2280	2280
	H(mm)	1900	1900	2248	2248
Drive Mode		Direct Drive			



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Oil Free Screw Compressor

Trully Oil Free Compressed Air (according to ISO8573-1)

- * Provide "Class 0" Oil Free compressed air.
- * Ensuring 100% Oil Free compressed air.
- * Ensure the high quality Oil Free compressed air for food and pharmacy industries

Class	Oil Content mg/m
0	Designed by user or manufacturer (more strict than Class 1)
1	≤0.01
2	≤0.1
3	≤1
4	≤5
5	≤5

Two Stage Compression Technology

Our machines adopt the two stage compression technology, which not only increases the efficiency of compression, but also avoids the negative influence from the high discharge air temperature and increases the reliability and running life of air-end.



Oil Free Screw Compressor Specifications :

Model	Capacity/Pressure (m ³ /min/Mpa)	Motor Power		Noise	Size (mm)		
		(KW)	(HP)	dB(A)	(L)	(W)	(H)
TCW-45A/W	6.8/0.75	45	60	67	2100	1500	1790
	5.9/0.86			69			
	5.4/1.0			71			
TCW-55A/W	8.8/0.75	55	75	68	2100	1500	1790
	8.4/0.86			69			
	6.9/1.0			71			
TCW-65A/W	10.2/0.75	65	90	69	2100	1500	1790
	8.9/0.86			70			
	8.2/1.0			72			
TCW-75A/W	12.8/0.75	75	100	69	2100	1500	1790
	10.3/0.86			71			
	9.3/1.0			72			
TCW-90W	15.8/0.75	90	125	66	2900	1880	1880
	14/0.86			67			
	12.8/1.0			69			
TCW-110W	19.4/0.75	110	150	67	2900	1880	1880
	17/0.86			68			
	16.0/1.0			70			
TCW-132W	23.9/0.75	132	180	69	2900	1880	1880
	21.4/0.86			70			
	19.2/1.0			71			
TCW-160W	28.4/0.75	160	220	69	2900	1880	1880
	26.2/0.86			71			
	23.6/1.0			71			
TCW-180W	32.8/0.75	180	245	69	2900	1880	1880
	28.2/0.86			71			
	26.3/1.0			71			
TCW-200W	36.4/0.75	200	270	69	3250	2200	2150
	33/0.86			70			
	29.5/1.0			72			
TCW-220W	39.0/0.75	220	300	70	3250	2200	2150
	36.1/0.86			71			
	32.3/1.0			72			
TCW-250W	43.6/0.75	250	340	70	3250	2200	2150
	41.2/0.86			72			
	36.1/1.0			72			

* A means Air-cooled, W means Water-cooled * Due to constant innovation, all the specifications are subject to change without notice.

Low Pressure Screw Compressor

Many industries, such as Chemical, Glass, Textile and Ceramic, only need 0.3Mpa to 0.5Mpa pressure compressed air. These industries usually use 0.7Mpa to 1.0Mpa compressors with a pressure reducing valve to get the low pressure air, which is indeed a huge energy waste. In order to fulfill these industries needs, Techcomp developed a new series of Low Pressure Screw Compressors which cant directly output 0.3Mpa or 0.5Mpa low pressure air.



Low Pressure Screw Compressor Specifications :

Model	Power (kW)	Horsepower (Hp)	Capacity (m ³ /min)	Pressure (Mpa)	Dimension (LxWxH) mm
TCL30-3	30	40	7	0.3	1600x1000x1365
TCL37-3	37	50	10		2050x1200x1500
TCL45-3	45	60	13		2380x1650x2050
TCL55-3	55	75	16		2380x1650x2050
TCL75-3	75	90	20		2380x1650x2050
TCL90-3	90	125	25		2380x1650x2050
TCL110-3	110	150	30		3000x1800x2050
TCL132-3	132	180	35		3000x1800x2050
TCL160-3	160	220	40		3100x2160x1900

Model	Power (kW)	Horsepower (Hp)	Capacity (m ³ /min)	Pressure (Mpa)	Dimension (LxWxH) mm
TCL37-5	37	50	7	0.5	1500x950x1300
TCL45-5	45	60	10		2050x1200x1500
TCL55-5	55	75	13		2100x1250x1700
TCL75-5	75	90	16		2100x1250x1700
TCL90-5	90	125	20		2380x1650x2050
TCL110-5	110	150	25		2380x1650x2050
TCL132-5	132	180	30		3000x1800x2050
TCL160-5	160	220	35		3000x1980x1900
TCL185-5	185	250	40		3000x1980x1900

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Diesel Engine Portable Compressor

Diesel Portable Screw Compressor is specially designed for the use in harsh wild environment. With the unique TechComp driving system, the machine can still move easily in rough terrain. With the stabilization system and special noise control system, the machine runs quietly and smoothly. With the mature overall design and carefully paired engine, the machine is more reliable and easy to maintain.



Diesel Engine Portable Compressor Specifications :

Model	Capacity (m ³ /min)	Pressure (bar)	Diesel Engine	Diesel Model	Fuel Tank (L)	(kW) (rpm)	Dimension (LxWxH) mm	Weight (kg)	Note
TCY-7/8	7	8	65kW	YCD4K22(1KG302)	160	63/3000	3060x1800x1620	1800	2 (Wheels)
TCY-10/10	10	10	93kW Cummins	4BTA3.9-C125	180	93/2200	3121x1452x1368	2200	
TCY-12/8	12	8					3121x1452x1368	2200	
TCY-12/10	12	10	110kW Cummins	6BT5.9-C150	200	110/2200	3121x1452x1368	2480	
TCY-10/13	10	13					3121x1452x1368	2480	
TCY-13/13	13	13	132kW Cummins	6BTA5.9-C180	320	132/2500	3420x1960x1860	2800	
TCY-17/8	17	8					3420x1960x1860	2800	
TCY-15/13	15	13					3640x1700x2240	3000	
TCY-17/14.5	17	14.5	194kW Cummins	6CTA8.3-C260	400	194/2200	3700x1800x2060	4000	2 (Wheels)
TCY-16/17	16	17					4000x1900x2330	3800	
TCY-18/17	18	17					3900x1800x2060	3900	4 (Wheels)
TCY-18/19	18	19					3900x1800x2060	4500	
TCY-22/8	22	8					3900x1800x2060	4000	
TCY-21/13	21	13	250kW Yuchai	YC6M340L-K20	500	250/2100	4250x1950x2800	4500	4 (Wheels)
TCY-22/17	22	17					4250x1950x2800	4500	
TCY-22/21	22	21					4250x1950x2800	4500	
TCY-25/10	25	10					4250x1950x2800	5000	
TCY-32/10	32	10	300kW	YC6M395L-K20	500	300/2100	4250x1950x2800	5000	

Heatless Regeneration Absorption Dryer

Design Features :

- Transformation absorption.
- Short cycle absorption circulation, constant temperature operation, 100% remaining heat of absorption, thermal desorption.
- Cycle of period can be set on the spot. Factory setting is 10(or 4) mins.
- After accurate calculation in heat power and hydro-technique , as result of small resistance in tower, the contact time between air/flow and adsorbent is longer than 5 seconds.
- Penalty of adsorbent ensures the lowest dew point.
- Electronic programmable controller with friendly design, display operating condition of two towers.
- Accurate information display, stable performance, and easy operation.
- Rust proof special treatment is used in inner tank.
- Four valve or three valve structure design in suction valve and regeneration valve prolong lifetime reach 500 thousand times.
- Premium valve in used ensure feasibility and convenience in on-sit maintenance.
- High precision of two-way regeneration gas control valve make sure regeneration air/flow is stable and regeneration pressure as low as critical state.
- Moisture content in discharge regeneration gas is controlled at sub saturation state.



Technical Specifications :

- Rated inlet temperature : $\leq 45^{\circ}\text{C}$.
- Rated working pressure : 7bar (operating between 6~10bar).
- Pressure drop : $< 0.2\text{bar}$.
- Pressure dew point : $-20^{\circ}\text{C} \sim -40^{\circ}\text{C}$.
- Regeneration mode : heatless regeneration.
- Control mode : electronic programmable time control.
- Regeneration air loss : about 12%~15%.
- Adsorbent : activated aluminum oxide (When DPG is under -68°C , add molecule sieve is required).
- Air inlet oil content : $< 0.1\text{mg}/\text{m}^3$
- Mounting tips : indoor with concrete ground, ambient temperature less than 0°C .

Main Technical Parameters :

Model	Capacity	Power	Over size	Equipment Weight	Envelop Dimensions
	(m^3/min)	(V/ph/Hz)		(Kg)	(LxWxH) mm
TCH-1D	1.25	220/1/50	DN25	102	605x560x1173
TCH-2D	2.6		DN25	130	605x560x1356
TCH-3D	3.8		DN25	145	605x560x1688
TCH-5D	5.6		DN25	180	750x560x1568
TCH-6D	6.9		DN40	322	973x600x1813
TCH-8D	8.5		DN40	342	973x600x2013
TCH-10D	10.7		DN50	356	1062x600x1950
TCH-14D	14		DN50	418	1162x900x1880
TCH-18D	18		DN50	455	1162x900x2030
TCH-23D	23		DN50	495	1162x900x2090
TCH-28D	28.5		DN80	575	1374x1000x1908
TCH-32D	32		DN80	745	1374x1000x2208
TCH-46D	46		DN80	815	1422x1000x2208
TCH-56D	56		DN100	1375	1666x1100x2393
TCH-65D	65		DN125	1880	2016x1200x2473
TCH-85D	85		DN125	2230	2016x1200x2673
TCH-110D	110	DN125	2740	2218x1300x2693	

Design Features :

New generation desiccators combine the advantage of transformation absorption and temperature swing absorption able to absorb (work) under high steam condition at normal temperature and resolve (regenerate) under low steam condition at higher temperature. Namely the moisture absorbed by adsorbent in adsorption process can be fully cleared away depends on two coactivated mechanisms of thermal diffusion and low partial pressure of high quality regeneration air (heating the dry air) in the regeneration process.

- Adsorption : Humid air goes into A dry tank from nether pipeline through A1 valve, and flows through adsorbent bed from the bottom up. The dried air is discharged from upper pipeline.
- Regeneration and blast cold : After decompressing by regeneration air control valve a little dry air (about 7%) goes into heater to heat through the upper pipeline. The hot air (called regeneration air) goes into B dry tank. Resolve and regenerate adsorbent in B tank and recover the dry power of adsorbent. Regenerated air is discharged into the atmosphere through nether pipeline B2 valve and silencer.
- Uniform pressure : After the regeneration of adsorbent is finished, B2 valve closes, B dry tank gradually boosts to on-line working pressure and switches accurately.
- Switch : Nether pipeline B1 valve opens, A1 valve closes, A2 valve opens. After A and B dry tanks finish switching, B tank conducts absorption and A tank conducts pressure discharge and regeneration. Working process, working time and heating teperature is finished automatically by controller.



Technical Specifications :

- Rated inlet temperature : $\leq 45^{\circ}\text{C}$.
- Rated working pressure : 7bar (operating between 6~10bar).
- Pressure drop : $< 0.2\text{bar}$.
- Pressure dew point : $-20^{\circ}\text{C} \sim -40^{\circ}\text{C}$.
- Regeneration mode : heat regeneration.
- Control mode : electronic programmable time control.
- Regeneration air loss : about 4%~6%.
- Adsorbent : activated aluminum oxide (When DPG is under -68°C , add molecule sieve is required).
- Air inlet oil content : $< 0.1\text{mg}/\text{m}^3$
- Mounting tips : indoor with concrete ground, ambient temperature less than 0°C .

Main Technical Parameters :

Model	Capacity	Power	Heater Power	Over size	Desiccant Weight	Dimension
	(m^3/min)	(V/ph/Hz)	(kW)		(Kg)	(LxWxH) mm
TCG-3D	3.8	220/1/50	1.5	DN25	182	605x560x1646
TCG-5D	5.6		2	DN25	211	750x560x1553
TCG-6D	6.9		3	DN40	365	973x800x1813
TCG-8D	8.5		3	DN40	395	1062x900x2020
TCG-10D	10.7	380/3/50	3.5	DN50	420	1062x900x1950
TCG-14D	14		3.9	DN50	495	1162x900x1880
TCG-18D	18		3.9	DN50	525	1162x900x2030
TCG-23D	23		3.9	DN50	655	1162x900x2090
TCG-28D	28.5		5.1	DN80	720	1374x1000x1908
TCG-32D	32		5.7	DN80	890	1374x1000x2207
TCG-46D	46		7	DN80	970	1422x1000x2207
TCG-56D	56		10	DN100	1530	1666x1100x2498
TCG-65D	65		12.5	DN125	2090	2016x1200x2473
TCG-85D	85		15	DN125	2480	2016x1200x2673
TCG-110D	110	20.4	DN125	3050	2218x1300x2693	

Refrigerant Air Dryer

The Inlet Temperature : Standard Model $\leq 60^{\circ}\text{C}$
High Temperature Model $\leq 80^{\circ}\text{C}$

Cooling way : Air cooled

The inlet pressure : 0.2 ~ 1.0 Mpa

Pressure dew point : 2 ~ 10°C



Technical Specifications TCA-F Series Refrigerant Dryer (Air cooling) :

Model	Flow Capacity		Power (V/Hz/Ph)	Outlet Diameter	Weight (Kg)	Dimension		
	(m ³ /min)	cfm				L (mm)	W (mm)	H (mm)
TCA-7.5F	0.85	30	220/50/1	ZG1"	55	630	450	670
TCA-10F	1.2	42		ZG1"	55	630	450	670
TCA-15F	1.7	60		ZG1"	60	630	450	670
TCA-20F	2.4	85		ZG1"	80	700	450	910
TCA-30F	3.8	134		G1 1½"	105	850	500	970
TCA-40F	5.2	184		G1 1½"	135	850	500	970
TCA-50F	6.4	226		G1 1½"	190	900	560	1070
TCA-60F	8	282		G1 1½"	195	900	560	1070
TCA-75F	10.5	371		G2"	225	1180	670	1160
TCA-100F	13.6	480		G2"	260	1180	670	1160
TCA-125F	16.3	575		380/50/3	DN80	305	1180	670
TCA-150F	20.3	717	DN80		400	1360	710	1205
TCA-180F	24	847	DN80		520	1650	970	1422
TCA-220F	27	953	DN80		520	1650	970	1422
TCA-250F	32.5	1147	DN80		630	1650	970	1422
TCA-300F	40	1412	DN100		750	1810	1090	1700
TCA-340F	43.5	1536	DN100		750	1810	1090	1700
TCA-420F	55	1942	DN125		850	2000	1200	1800
TCA-480F	60	2118	DN125		850	2000	1200	1800

* Different Voltage and Frequency are available upon request.

High Efficiency Filter

Grades: 4 different filtering level
Optional Parts: Auto-drain, pressure indicator, differential Pressure gauge, and liquid indicator



Filter Level

	Q Level	P Level	S Level	C Level
Function	Pre-filter	After-filter	Precision filter	Active Carbon filter
Particle	2 µm	1 µm	0.01 µm	0.01 µm
Left	2ppm	1ppm	0.01ppm	0.003ppm

Filter Specification

Model	Air/Flow	Pipe Diameter	Dimension		Filter Core No. (Q/P/S/C)
	(m ³ /min)		W (mm)	H (mm)	
TCF-015	1.5	G1"	95	270	1
TCF-024	2.4	G1"	110	340	1
TCF-035	3.8	G1 1/2"	110	340	1
TCF-060	6.5	G1 1/2"	110	490	1
TCF-090	10.7	G2"	160	520	1
TCF-120	13.5	G2 1/2"	160	870	1
TCF-150	17	G2 1/2"	160	870	1
TCF-200	20	G2 1/2"	180	1040	2
TCF-240	25	DN80	320	1200	2
TCF-300	30	DN80	450	1163	2
TCF-360	36	DN100	450	1163	3
TCF-450	45	DN100	450	1163	3
TCF-600	60	DN125	473	1186	4

* Due to constant innovation, all the specifications are subject to change without notice

Air Receiver (Air Tank)

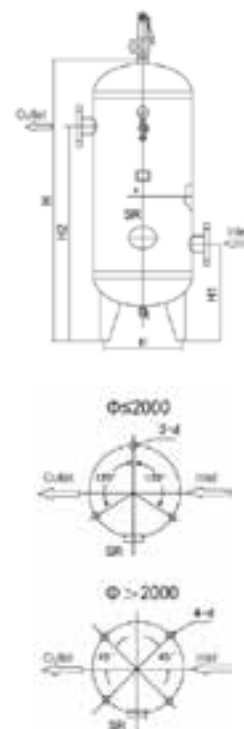
The air tanks which suit Techcomp screw air compressor equip the special license to design and manufacture. Also special size can be ordered in advance. Specifications and dimension of instalation.

Technical Specifications :

Model Capacity/ Pressure	Designed Temp °C	Height H	Inner Diameter Φ	Weight Kg	Inlet			Outlet			Interface of Bracket		Interface of Drain Valve
					H1	DN	Thread	H2	DN	Thread	D	d	
TC-0.3/0.8	100	1766	550	96	667	65	Rp1 1/2"	1367	65	Rp1 1/2"	400	20	R3/4"
TC-0.3/1.0		1766		119	667			1367					
TC-0.3/1.3		1778		140	669			1369					
TC-0.5/0.8	100	2102	600	164	680	65	Rp1 1/2"	1680	65	Rp1 1/2"	420	20	R3/4"
TC-0.5/1.0		2102		164	680			1680					
TC-0.5/1.3		2102		174	681			1681					
TC-0.6/0.8	100	2136	650	178	694	65	Rp1 1/2"	1704	65	Rp1 1/2"	470	20	R3/4"
TC-0.6/1.0		2138		213	695			1705					
TC-0.6/1.3		2138		192	694			1704					
TC-1.0/0.8	100	2405	800	245	800	80	Rp2"	1920	80	Rp2"	560	24	R3/4"
TC-1.0/1.0		2407		299	800			1920					
TC-1.0/1.3		2406		272	800			1920					
TC-1.5/0.8	100	2538	950	395	769	80	Rp2 1/2"	2069	80	Rp2 1/2"	670	24	R3/4"
TC-1.5/1.0		2538		336	769			2069					
TC-1.5/1.3		2538		405	769			2069					
TC-2.0/0.8	100	2842	1000	470	781	80	Rp2 1/2"	2281	80	Rp2 1/2"	700	24	R1"
TC-2.0/1.0		2846		372	783			2283					
TC-2.0/1.3		2842		484	781			2281					
TC-2.5/0.8	100	2756	1200	503	883	80		2183	80		840	24	R1"
TC-2.5/1.0		2712		581	881			2181					
TC-2.5/1.3		2716		668	883			2183					
TC-3.0/0.8	100	2806	1300	556	908	100		2208	100		950	24	R1"
TC-3.0/1.0		2804		643	907			2207					
TC-3.0/1.3		2806		822	908			2208					
TC-4.0/0.8	100	2902	1500	802	956	150		2206	150		1100	30	R1"
TC-4.0/1.0		2904		910	957			2207					
TC-4.0/1.3		2908		1025	959			2209					
TC-5.0/0.8	100	3752	1400	898	931	150		3131	150		1050	24	R1"
TC-5.0/1.0		3754		1026	932			3132					
TC-5.0/1.3		3756		1158	933			3133					
TC-6.0/0.8	100	3852	1500	1018	956	150		3156	150		1100	30	R1"
TC-6.0/1.0		3854		1164	957			3157					
TC-6.0/1.3		3856		1315	958			3158					
TC-8.0/0.8	100	4554	1600	1262	982	150		3832	150		1200	30	R1"
TC-8.0/1.0		4556		1438	983			3833					
TC-8.0/1.3		4558		1813	984			3835					
TC-10/0.8	100	3764	2000	1536	1083	150		2933	150		1500	30	R1"
TC-10/1.0		3768		1699	1084			2934					
TC-10/1.3		3772		2348	1137			2987					
TC-12.5/0.8	100	4716	2000	1880	1133	150		3833	150		1500	30	R1"
TC-12.5/1.0		4718		2116	1134			3834					
TC-12.5/1.3		4724		2838	1137			3837					
TC-15/0.8	100	5096	2100	2118	1173	150		4173	150		1550	30	R1"
TC-15/1.0		5098		2646	1175			4174					
TC-15/1.3		4644		3175	1202			3702					
TC-20/0.8	100	5238	2400	2920	1299	200		4199	200		1800	36	R1"
TC-20/1.0		5240		3525	1300			4199					
TC-20/1.3		5238		4168	1300			4199					
TC-25/0.8	100	6138	2400	3345	1299	200		5095	200		1800	36	R1"
TC-25/1.0		6142		4057	1299			5095					
TC-25/1.3		6260		4799	1380			5100					
TC-30/0.8	100	6898	2500	4323	1315	200		5774	200		1900	36	R1"
TC-30/1.0		6900		4701	1376			5775					
TC-30/1.3		6908		6498	1320			5777					

Diagram of Bracket

SR : 当 $\Phi \leq 1000$ as handhole.
当 $\Phi > 1000$ as mandhole.



Spare Parts

Genuine TechComp spare parts and lubricants ensure that compressed air plant reliability and efficiency is maintained at the highest standards. Genuine TechComp spare parts and lubricants are distinguished by the following characteristic :

- Long service life, even under arduous conditions.
- Efficient operation as designed.
- Minimal losses contributing to energy savings.
- Increased reliability improves plant up time.
- Products manufactured within the strictest Quality Assurance Systems



We provide the whole compressed air solution for you



With our whole set of the compressed air system, you don't need to worry about the match of the equipments. When the system is malfunction or need maintenance you don't have to contact different suppliers for different equipments. All you need to do is just contacting us and we will fix all the problems for you. Both the impurity mix in the compressed air and the system pressure loss can affect your normal operation. If these problems can't be settled down, you will encounter all kinds of issues when operating the system. We will provide professional consulting service and a whole set of compressed air solutions to help you choose and install the right compressed air systems.

Consulting Service

We not only provide the first class products, but also provide the best-in-class service for our clients. TechComp have professional teams for design, sales and service. They can answer all your consulting questions and provide you the compressed air knowledge you need.

Program Design

TechComp Compressor have rich experienced in compressed air solutions for a variety of industries. We provide different solutions for different customers needs. No matter which industry you are in, what kind of compressed air you want, or how complex your situation is, we will provide you the best compressed air solutions.

After-sale Service

TechComp have a professional and highly experienced after service team to help you solve all the problems with your compressed air system. No matter your system is under warranty or out of warranty, our service team will try their best to solve your issues as soon as possible.



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