



# One-Stop Supplier of Air Compressors



Shandong Sparta Machinery Co., Ltd.



## About US

**S**handong Sparta Machinery Co., Ltd. is a comprehensive enterprise specializing in import and export business. The company has a modern office environment, advanced management mode, and a highly qualified, skilled, and efficient workforce.

The company adheres to the business philosophy of “integrity, innovation, cooperation, and win-win” , continuously enhances its core competitiveness, provides customers with high-quality products and services, creates value for society, creates benefits for employees, has a scientific development concept, continuous innovation vitality, excellent corporate culture, and a strong sense of social responsibility. We always follow international trade rules and are a trustworthy partner for you!

# STATIONARY SCREW AIR COMPRESSOR SERIES



## Features

- Mature intelligent permanent magnet variable frequency technology.
- Low noise and stability.
- Energy-saving and durable.
- Compared with the frequency machine, it can save 35%.
- Professional air compressor frequency conversion adjusts the motor speed according to the actual gas usage.
- The main unit has a 2-year quality guarantee.

## Parameters

Model	Motor Power (KW)	Working Pressure (Mpa)	Air Delivery (m <sup>3</sup> /min)	Noise Level (dB (A))	Outlet Connection	Dimension (mm)	Weight (Kg)
SP-10A	7.5	0.8	1.1	62±2	G1/2	900x600x850	200
		1.0	0.9				
		1.25	0.7				
SP-15A	11	0.8	1.8	62±2	G3/4	1000x700x1000	200
		1.0	1.6				
		1.25	1.3				
SP-20A	15	0.8	2.5	62±2	G3/4	1000x700x1000	400
		1.0	2.2				
		1.25	1.8				
SP-30A	22	0.8	3.5	62±2	G1	1300x790x1175	600
		1.0	3.2				
		1.25	2.6				
SP-40A	30	0.8	5.0	62±2	G1	1300x790x300	300
		1.0	4.5				
		1.25	3.9				
SP-50A	37	0.8	6.5	62±2	G11/2	1400x950x1320	800
		1.0	5.8				
		1.25	4.8				
SP-60A	45	0.8	7.1	62±2	G11/2	1400x950x1320	950
		1.0	6.4				
		1.25	5.3				
SP-75A	55	0.8	9.3	62±2	G2	1750x1170x1600	970
		1.0	8.4				
		1.25	6.9				
SP-100A	75	0.8	12.2	68±2	G2	1750x1170x1600	1150
		1.0	11.0				
		1.25	9.2				

# ENGINEERING PORTABLE SCREW AIR COMPRESSOR SERIES



## Features

- Installation-free integrated equipment, 2-in-1 or 4-in-1 optional.
- Convenient and portable, plug and play.
- Oil-free and water-free compressed gas.
- Intelligent power saving by 35%, quiet and efficient.
- Suitable for various mobile scenarios such as auto repair, wind drilling, spray painting, engineering, etc

## Parameters

Model	Power (KW)	Air Tank	Pressure (bar)	Air Delivery (m <sup>3</sup> /min)	Type	Voltage (V)	Connection	Weight (Kg)	Dimension (mm)	Remark
S-GC-6/8D	4KW	Single tank	8	1.1	Power frequency	380V	G1/2"	220	1050x500x1020	Two-in-one
S-GC-6/8S	4KW	Single tank	8	1.1	Frequency conversion	220V	G1/2"	220	1050x500x1020	Two-in-one
S-GC-10/8D	7.5KW	Single tank	8	1.1	Power frequency	380V	G1/2"	256	1550x500x1090	Two-in-one
S-GC-10/10D	7.5KW	Single tank	10	1.1	Power frequency	380V	G1/2"	256	1550x500x1090	Two-in-one
S-GC-10/13D	7.5KW	Single tank	13	1.1	Power frequency	380V	G1/2"	256	1550x500x1090	Two-in-one
S-GC-10/8S	7.5KW	Single tank	8	1.1	Frequency conversion	380V	G1/2"	256	1550x500x1090	Two-in-one
S-GC220-10/8S	7.5KW	Single tank	8	1.1	Frequency conversion	220V	G1/2"	256	1550x500x1090	Two-in-one
S-GC-10/13S	7.5KW	Single tank	13	1.1	Frequency conversion	380V	G1/2"	256	1550x500x1090	Two-in-one
S-GC220-10/13S	7.5KW	Single tank	13	1.1	Frequency conversion	220V	G1/2"	256	1550x500x1090	Two-in-one
S-GC-15/10D	11KW	Single tank	10	1.3	Power frequency	380V	G3/4"	230	1450x500x1080	Two-in-one
S-GC-15/13D	11KW	Single tank	13	1.3	Power frequency	380V	G3/4"	230	1450x500x1080	Two-in-one
S-GC-15/16D	11KW	Single tank	16	1.1	Power frequency	380V	G3/4"	230	1450x500x1080	Two-in-one
S-GCLG-10/8D	7.5KW	Single tank	8	1.1	Power frequency	380V	G1/2"	256	1550x500x1090	Four-in-one
S-GCLG-10/8S	7.5KW	Single tank	8	1.1	Frequency conversion	380V	G1/2"	256	1550x500x1090	Four-in-one
S-GCLG220-10/8S	7.5KW	Single tank	8	1.1	Frequency conversion	220V	G1/2"	256	1550x500x1090	Four-in-one
S-GCLG-15/8S	11KW	Single tank	8	1.8	Frequency conversion	380V	G3/4"	230	1450x500x1080	Four-in-one
S-GCLG-20/8S	15KW	Single tank	8	2.6	Frequency conversion	380V	G3/4"	450	1550x630x1220	Four-in-one
S-GCDG-20/10S	15KW	Single tank	10	2.6	Frequency conversion	380V	G3/4"	450	1550x630x1220	Engineering
S-GCDG-20/13S	15KW	Single tank	13	1.7	Frequency conversion	380V	G3/4"	450	1550x630x1220	Engineering
S-GCSG-20/10S	15KW	Double tank	10	2.6	Frequency conversion	380V	G3/4"	450	1450x850x1090	Engineering
S-GCSG-20/13S	15KW	Double tank	13	1.7	Frequency conversion	380V	G3/4"	450	1450x850x1090	Engineering
S-GCSG-30/10S	22KW	Double tank	10	3.7	Frequency conversion	380V	G1"	540	1650x750x1200	Engineering
S-GCSG-30/13S	22KW	Double tank	13	3	Frequency conversion	380V	G1"	540	1650x750x1200	Engineering
S-GCDG/IP55-30/10S	22KW	Double tank	10	3.7	Frequency conversion	380V	G1"	540	1650x750x1200	Engineering
S-GCSG-40/10S	30KW	Double tank	10	5.2	Frequency conversion	380V	G1"	630	1650x850x1350	Engineering
S-GCSG-40/13S	30KW	Double tank	13	3.5	Frequency conversion	380V	G1"	630	1650x850x1350	Engineering
S-GCSG-50/10S	37KW	Double tank	10	6.6	Frequency conversion	380V	G1 1/2"	720	1750x900x1450	Engineering
S-GCSG-50/13S	37KW	Double tank	13	5.1	Frequency conversion	380V	G1 1/2"	720	1750x900x1450	Engineering

# SCREW AIR COMPRESSOR FOR LASER CUTTING



## Features

- High pressure of 16Bar.
- Energy-saving and stable.
- Oil-free, water-free, and dust-free, protecting the lens.
- Optional integrated or separate design, small footprint, and integrated production and storage.
- Plug and play, no installation required, easy to move.
- Customizable

## Parameters

Model	Power (KW)	Air Tank	Pressure (bar)	Air Delivery (m <sup>3</sup> /min)	Type	Voltage (V)	Connection	Dimension (mm)	Remark
S-GCSG-50/10S	15KW	-	16KG	1.3	Power frequency	380V	G3/4"	1100x700x1000	Fixed single machine
S-GCSG-50/13S	15KW	-	16KG	1.3	Frequency conversion	380V	G3/4"	1100x700x1000	Fixed single machine
S-S-20/16D	15KW	-	16KG	1.3	Frequency conversion	380V	G3/4"	1100x700x1000	Fixed single machine
S-S2-20/16S	22KW	-	16KG	2.5	Frequency conversion	380V	G1"	1200x820x1150	Fixed single machine
S-S3-20/16S	37KW	-	16KG	3.5	Frequency conversion	380V	G1 1/2"	1210x960x1270	Fixed single machine
S-S-30/16S	15KW	Single tank	16KG	1.3	Frequency conversion	380V	G3/4"	1750x720x1490	Mobile all-in-one machine
S-S-50/16S	15KW	Single tank	16KG	1.3	Frequency conversion	380V	G3/4"	1750x720x1490	Mobile all-in-one machine
S-SY2-20/16S	15KW	Double tank	16KG	1.3	Frequency conversion	380V	G3/4"	1750x720x1490	Mobile all-in-one machine
S-SY3-20/16S	15KW	Double tank	16KG	1.3	Frequency conversion	380V	G3/4"	1750x720x1490	Mobile all-in-one machine
S-SYD2-20/16S	22KW	Double tank	16KG	2.5	Frequency conversion	380V	G1"	1750x720x1490	Mobile all-in-one machine
S-SYD3-20/16S	15KW	Single tank	16KG	1.3	Frequency conversion	380V	G3/4"	1750x720x1490	Mobile all-in-one machine
S-SYD2-30/16S	15KW	Single tank	16KG	1.3	Frequency conversion	380V	G3/4"	1750x720x1490	Fixed split machine
S-SF-20/16D	15KW	Single tank	16KG	1.3	Frequency conversion	380V	G3/4"	1750x720x1490	Fixed split machine
S-SF3-20/16S	22KW	Single tank	16KG	2.5	Frequency conversion	380V	G1"	1750x720x1490	Fixed split machine
S-SF2-20/16S	22KW	Double tank	16KG	2.5	Frequency conversion	380V	G1"	1750x720x1490	Fixed split machine

# STATIONARY SCREW AIR COMPRESSOR SERIES



## Features

- High reliability and energy efficiency
- Easy operation and clear monitoring of operating status
- Anti-shock power and low fuel consumption rate for use in harsh outdoor environments
- Anti-noise and rainproof cover to protect the equipment during use

Low noise and vibration technology for operator comfort

- Automatic alarm and shutdown protection devices for safety
- Easy and quick maintenance for reduced downtime and cost savings

## Parameters

Model	Air Delivery (m <sup>3</sup> /min)	Intake pressure (Bar)	Diesel Motor	Motor Power (KW)	Weight (Kg)	Dimension (mm) (Including drawbar)	Remark
STYN-3/8-42	3	8	Yunnei	42	1400	2200x1650x1550	2 wheels single stage
STYN-4/8-42	4	8	Yunnei	42	1400	2200x1650x1550	2 wheels single stage
STYN-5/8-42	5	8	Yunnei	42	1400	2200x1650x1550	2 wheels single stage
STYN-3/14-42	3	8	Yunnei	42	1400	2200x1650x1550	2 wheels single stage
STYN-4/12-42	4	8	Yunnei	42	1400	2200x1650x1550	2 wheels single stage
STXY-6/21-76	5.3	21	Yunnei	76	1400	2250x1850x1800	2 wheels single stage
STYN-6/8-46	6	8	Yunnei	46	1300	2200x1650x1550	2 wheels single stage
STYN-5/10-46	5	10	Yunnei	46	1300	2200x1650x1550	2 wheels single stage
STYN-4/14.5-46	4	14.5	Yunnei	46	1300	2200x1650x1550	2 wheels single stage
STYN-5/11-46	5	11	Yunnei	46	1300	2200x1650x1550	2 wheels single stage
STYN-4/14.5-46	4	14.5	Yunnei	46	1300	2200x1650x1550	2 wheels single stage
STYN-7/8-60	6	10	Yunnei	60	1300	2200x1650x1550	2 wheels single stage
STYN-6/13-60	6	13	Yunnei	60	1300	2200x1650x1550	2 wheels single stage
STYN-5/17-60	5	17	Yunnei	60	1300	2200x1650x1550	2 wheels single stage
STYN-5/19-60	5	19	Yunnei	60	1300	2200x1650x1550	2 wheels single stage
STXY-6/15-76	6	15/17	Yuchai/Xichai	76	1400	2250x1850x1800	2 wheels single stage
STXY-10/14.5-76	10	14.5	Yuchai/Xichai	76	1400	2250x1850x1800	2 wheels single stage
STXY-12/10-76	12	10	Yuchai/Xichai	76	1400	2250x1850x1800	2 wheels single stage
STXY-6/17-76	6	17	Yuchai/Xichai	76	1400	2250x1850x1800	2 wheels single stage
STXY-10/8-76	10	8	Yuchai/Xichai	76	1400	2250x1850x1800	2 wheels single stage
STXY-10/10-76	10	10	Yuchai/Xichai	76	1400	2250x1850x1800	2 wheels single stage
STXY-5/20-76	12	10	Yuchai/Xichai	76	1400	2250x1850x1800	2 wheels single stage
STXY-13/8-92	13	8	Yuchai/Xichai	92	1400	3550x2000x2250	4 wheels two stage
STXY-10/13-92	10	13	Yuchai/Xichai	92	1400	3550x2000x2250	4 wheels two stage
STXY-10/14.5-92	10	14.5	Yuchai/Xichai	92	1400	3550x2000x2250	4 wheels two stage
STYC-24/8-176	24	8	Yuchai	176	2500	3550x2000x2250	4 wheels two stage
STYC-34/10-264	34	10	Yuchai	264	2900	3930x2000x2250	4 wheels two stage

Widely used in roads, railways, mines, water conservancy, shipbuilding, urban construction, energy, military industry, etc.

# OIL-FREE SCROLL AIR COMPRESSOR



## Features

- Oil-free characteristics: The compression chamber is independent and there is no lubricant medium inside, making the compressed gas clean.
- Silent operation: There is no contact between the dynamic and static disks, and the overall dynamic balance of the compressor head results in low vibration and noise levels.
- Energy-saving features: The vortex disk continuously compresses with less wasted work.
- High reliability: The core components are precise, the rotating bearings have high requirements, and there are relatively few parts.
- Compact size: The rotating radius is small, the speed is high, and the structure is compact.
- Lightweight: The dynamic disk, static disk, and frame are made of aluminum alloy materials.
- Low operating costs: There are fewer easily damaged parts, no cooling oil or oil-gas separation system, and low maintenance costs.
- High efficiency: Continuous compression results in less leakage, and the displacement difference between low and high pressure stages is not significant.
- Convenient to use: Long maintenance cycles, easy maintenance, and no need for a hot engine process in winter.

## Parameters

Model	Air Delivery (m <sup>3</sup> /min)	Maximum Pressure (Mpa)	Motor Power (KW)	Motor Power (HP)	Scroll Block	Noise (dB (A))	Voltage (V/HZ/Phase)	Dimension (mm)	Weight (Kg)	Outlet Hole Size (Inch)	Air Tank (L)
ST-D04/08-A1	0.3	0.8	3.0	4	1*04	55±2	220/50/1	760x690x820	200	3/4	5
ST-D06/08-A4	0.6/0.4	0.8/1.0	5.5	7	1*04	55±2	380/50/3	760x690x820	200	3/4	5
ST-D04/08-A4	0.4/0.3	0.8/1.0	3.7	5	1*04	55±2	380/50/3	760x690x820	200	3/4	5
ST-Q08/08-S1	0.8	0.8	7.5	10	2*04	60±2	220/50/1	1400x700x1200	400	1 1/2	24
ST-Z08/08-S1	0.8/0.6	0.8/1.0	7.5	10	2*04	60±2	380/50/3	1400x700x1200	350	1 1/2	24
ST-Z12/08-S1	1.2/0.8	0.8/1.0	11	15	2*06	60±2	380/50/3	1400x700x1200	350	1 1/2	24
ST-218/08-S1	1.8/1.5	0.8/1.0	16.5	22	3*06	62±2	380/50/3	1400x700x1200	500	1 1/2	24
ST-Z24/08-S1	2.4/2.0	0.8/1.0	22	30	4*06	65±2	380/50/3	1400x1550x1200	800	1 1/2	24*2
ST-Z30/08-S1	3.0/2.4	0.8/1.0	27.5	37	5*06	65±2	380/50/3	1400x1550x1200	1080	1 1/2	-
ST-Z36/08-S1	3.6/3.0	0.8/1.0	33	45	6*06	65±2	380/50/3	1400x1550x1200	1200	1 1/2	-
ST-Z42/08-S1	4.2/3.6	0.8/1.0	38.5	52	7*06	65±2	380/50/3	2320x1450x1740	1400	1 1/2	-
ST-Z48/08-S1	4.8/4.0	0.8/1.0	44	59	8*06	65±2	380/50/3	2320x1450x1740	1520	1 1/2	-
ST-Z54/08-S1	5.4/4.5	0.8/1.0	49.5	67	9*06	65±2	380/50/3	2320x1450x1740	1650	1 1/2	-
ST-D04/08-J3	0.4/0.33	0.8/1.0	3.7	5	1*04	55±2	380/50/3	1400x840x1490	300	1	200
ST-D06/08-J3	0.6/0.49	0.8/1.0	5.5	7	1*06	55±2	380/50/3	1400x840x1490	320	1	200
ST-D04/08-J7	0.4/0.33	0.8/1.0	3.7	5	1*04	55±2	380/50/3	1810x820x1700	350	3/4	200
ST-D06/08-J7	0.6/0.49	0.8/1.0	5.5	7	1*06	55±2	380/50/3	1810x820x1700	380	3/4	200

Suitable for food processing industry, pharmaceutical industry, medical treatment, precision electronics industry, precision processing equipment

# OIL-FREE CENTRIFUGAL AIR BEARING AIR COMPRESSOR

The air-suspended centrifugal compressor is a single-stage centrifugal compressor that does not require a gearbox, speed increaser, or coupling. It is directly driven by a high-speed permanent magnet synchronous motor (PMSM), and the motor is controlled by a variable frequency drive (VFD) for speed regulation. The impeller of the compressor is directly coupled to the motor, and the shaft is suspended on an active air bearing.

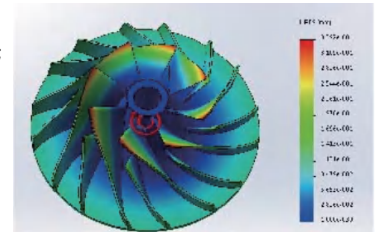
## High-speed permanent magnet synchronous motor

- It adopts a high-efficiency permanent magnet synchronous motor (PMSM) with an efficiency  $\geq 96\%$ ;
- Compact in size;
- It can achieve precise speed control, up to a maximum of 100,000 r/min;
- The motor shaft is directly connected to the impeller, with a transmission efficiency of 100%;
- The insulation class is H class (maximum temperature resistance of 170°C);
- The motor pole number is 2 poles, suitable for a power supply of AC 380V/50Hz



## Impeller

- It is made of high-hardness heat-treated aviation aluminum AL7075 (aviation aluminum);
- It is precisely manufactured through 5-axis machining center, with tolerances kept below 5/1000 millimeters;
- The surface is smooth and clean, and it has higher efficiency compared to cast impellers;
- It has high strength, suitable for harsh working conditions of high temperature and high pressure;
- It is lightweight, with low power consumption;
- The direct connection between the impeller and the shaft can achieve a power transmission efficiency of 100%.



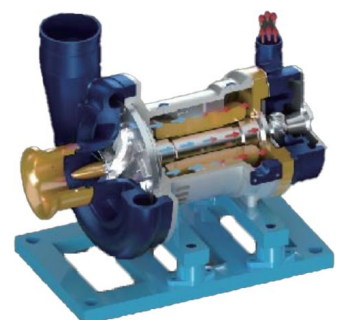
## Air bearing

- An air bearing utilizes high-speed centrifugal force to suspend itself.
- It has a simple structure and does not require auxiliary devices such as lubricating oil supply;
- It works on a non-contact basis, with no need for maintenance or repair;
- The bearing operates without vibration.



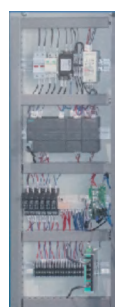
## Efficient cooling system

We use a dual-stage air-cooling and self-cooling method with the latest technology, and set up separate air flow channels inside and outside the main unit in a reasonable and ingenious way to maximize the cooling of the main unit. This ensures that the blower system can still operate steadily and reliably even in hot summers.





# OIL-FREE CENTRIFUGAL AIR BEARING AIR COMPRESSOR



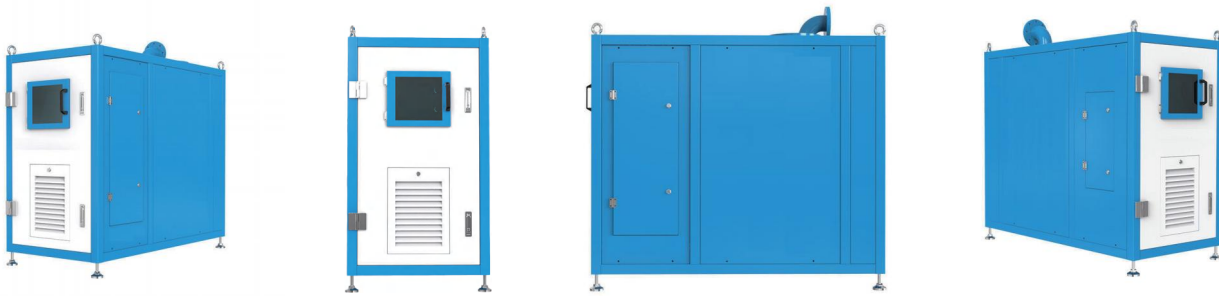
## Features

- Contactless operation, meaning no mechanical bearings that can wear out or fail.
- Low noise output due to minimal wear and vibration.
- High efficiency and energy-saving, thanks to minimal friction loss and the ability to achieve precise control through frequency conversion speed regulation.
- High reliability with low maintenance costs and a long service life.
- Easy maintenance due to a simple structure without traditional mechanical bearings.
- A substitute for Roots blower with smaller power consumption, longer service life, and lower maintenance cost

## Parameters

Model	Type	Air Delivery (m <sup>3</sup> /min)					Motor Power (KW)	Outlet Connection	Dimension (mm)	Weight (Kg)
		0.4	0.6	0.7	0.8	1.0				
ST-XLCB20	Single impeller	16	14	13	11	8	15	DN150	700x1600x1380	430
ST-XLCB30	Single impeller	32	21	20	18	13	22	DN150	700x1600x1380	430
ST-XLCB50	Single impeller	47	35	32	29	23	37	DN150	700x1600x1380	470
ST-XLCB60	Single impeller	55	41	38	35	27	45	DN200	850x1775x1670	620
ST-XLCB75	Single impeller	75	52	48	43	35	55	DN200	850x1775x1670	620
ST-XLCB100	Single impeller	95	70	63	56	46	75	DN200	850x1775x1670	630
ST-XLCB120	Single impeller	120	86	79	71	53	90	DN200	850x1775x1670	650
ST-XLCB150	Single impeller	150	106	96	85	68	110	DN300	1250x1975x1880	1150
ST-XLCB200	Single impeller	190	141	126	110	88	160	DN300	1250x1975x1880	1200
ST-XLCB250	Single impeller	218	165	151	136	105	185	DN300	1250x1975x2080	1350
ST-XLCB300	Double impeller	248	212	189	166	135	220	DN400	1300x2475x2200	1900
ST-XLCB400	Double impeller	331	283	252	221	177	300	DN400	1300x2475x2200	2150
ST-XLCB500	Double impeller	434	339	302	265	211	365	DN500	1600x2500x2250	2600
ST-XLCB600	Double impeller	484	399	356	313	249	450	DN600	2100x2700x2250	3300

## OIL-FREE CENTRIFUGAL MAGNETIC BEARING COMPRESSOR



### Features

- No lubricating oil system, which reduces heat transfer resistance and improves heat transfer efficiency
- No need for preheating, fast start-up and low start-up current.
- Simplified Machine Structure
- Lower operating noise and vibration
- Energy saving, faster and more reliable

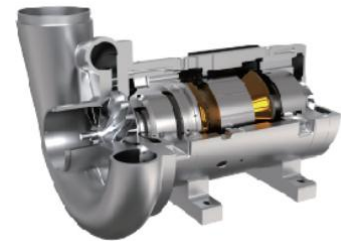
### Parameters

Model	Motor Power (KW)	Air Delivery (m <sup>3</sup> /min)					Dimension (mm)	Weight (Kg)	Outlet Connection
		40	60	80	100	120			
ST-XLMCB 30	22	30	20	17	-	-	1820x780x1390	450	DN150
ST-XLMCB 40	30	40	27	23	-	-	1820x780x1390	450	DN150
ST-XLMCB 50	37	50	34	28	22	-	1820x780x1390	450	DN150
ST-XLMCB 60	45	60	42	34	26	-	1860x950x1780	700	DN200
ST-XLMCB 75	55	75	52	42	35	-	1860x950x1780	700	DN200
ST-XLMCB 100	75	100	69	52	48	39	1860x950x1780	700	DN200
ST-XLMCB 125	90	125	82	69	57	48	1950x1250x2000	1250	DN300
ST-XLMCB 150	110	150	105	82	73	58	1950x1250x2000	1250	DN300
ST-XLMCB 200	150	200	140	105	96	78	2080x1350x2200	1500	DN300
ST-XLMCB 250	185	250	160	109	118	95	2080x1350x2200	1500	DN300
ST-XLMCB 300	220	300	210	135	145	117	2480x1350x2570	2300	DN400
ST-XLMCB 400	300	400	272	164	190	156	2480x1350x2570	2300	DN400
ST-XLMCB 500	375	-	320	216	225	200	2650x1450x2600	2900	DN500
ST-XLMCB 600	450	-	420	270	270	240	2650x1450x2600	2900	DN500
ST-XLMCB 800	600	-	545	325	360	318	3500x1800x3000	3500	DN600
ST-XLMCB 1000	750	-	640	540	452	400	3500x1800x3000	3500	DN600

# OIL-FREE CENTRIFUGAL MAGNETIC BEARING COMPRESSOR

- Uses a high-efficiency permanent magnet synchronous motor (PMSM) with an **efficiency of ≥96%**;
- The impeller is directly connected to the shaft, with a transmission efficiency of up to **100%**;
- Based on aerospace power engineering technology, the speed can reach over **100,000** revolutions per minute;
- The insulation class is H (maximum temperature resistance of **180°C**).

## High-speed permanent magnet motor



## Magnetic bearing



- A 5-degree-of-freedom magnetic bearing that carries 8 sensors;
- The sensor signal processing frequency is **10,000 times** per second, which accurately controls the position of the rotor axis
- High load capacity of up to 10kN radial and 20kN thrust;
- Rotor unbalance compensation and dynamic support stiffness;
- Contactless, wear-free, and lubrication-free.

● Reliable sensor technology ensures stable operation of the magnetic bearing system.

● The sensors use either eddy current or inductive current.

● There is one sensor unit with three displacement sensors and one rotation sensor, and four channels for backup pulse sensors.

● The design features low noise and high resolution, with integrated protection to shield against external magnetic fields.

## Sensor

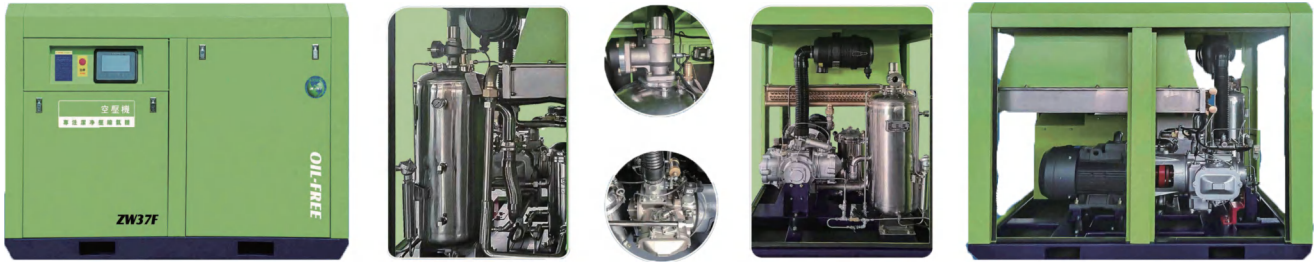


## Parameters

Model	Motor Power (KW)	Compression Stage	Air Delivery/ Discharge Pressure (m³/min)/(bar)			Cooling Method	Drive Type	Dimension (mm)	Weight (Kg)	Outlet Connection	Cooling Pipe Diameter
ST-XLTC100	75	Two-Stage	20.3/3	19.65/4	19.15/5	Water Cooling	Direct Drive	1800x1000x1780	940	DN100	G1
ST-XLTC125	90	Two-Stage	27.65/3	25.75/4	23.61/5	Water Cooling	Direct Drive	1800x1000x1780	950	DN100	G1
ST-XLTC150	110	Two-Stage	31.24/3	29.01/4	27.32/5	Water Cooling	Direct Drive	2000x1150x2000	1260	DN125	G11/4
ST-XLTC175	132	Two-Stage	35.2/3	33.2/4	31.25/5	Water Cooling	Direct Drive	2000x1150x2000	1300	DN125	G11/4
ST-XLTC200	160	Two-Stage	47.6/3	44.1/4	41.31/5	Water Cooling	Direct Drive	2000x1150x2000	1300	DN125	G11/4
ST-XLTC250	185	Two-Stage	49.87/3	47.12/4	45.8/5	Water Cooling	Direct Drive	2475x1300x2200	1620	DN150	G11/2
ST-XLTC270	200	Two-Stage	52.2/3	49.3/4	46.75/5	Water Cooling	Direct Drive	2475x1300x2200	1700	DN150	G11/2
ST-XLTC300	220	Two-Stage	54.5/3	53.3/4	52.0/5	Water Cooling	Direct Drive	2475x1300x2200	1700	DN150	G11/2
ST-XLTC350	250	Two-Stage	62.3/3	58.9/4	56.1/5	Water Cooling	Direct Drive	2475x1300x2200	1800	DN150	G11/2

## OIL-FREE WATER LUBRICATION SCREW AIR COMPRESSOR

### Air cooler



### Water cooler



Compared with traditional dry type two-stage compression, water lubricated single-stage compression has congenital superiority, as the two unique characteristics of low temperature compression and low rpm operation, its high volumetric efficiency and durability are the greatest return touses; The use of water lubrication wil greatly reduce the user's operating costs and absolutely oil-free is the best guarantee of the quality of air supply!



# OIL-FREE WATER LUBRICATION SCREW AIR COMPRESSOR

## Normal pressure series Parameters

Model	Power (KW)	Pressur (bar)	Air Delivery (m <sup>3</sup> /min)	Noise Level (dB (A))	Connection	Weight (Kg)	Lubricating water (L)	Filter Element (B)- (Z)	Dimension (mm)																																																																																																																																																																																																																																																																																	
ST-ZW7.5F-8	7.5	8	1	60	RP 3/4	400	22	(25cm)1	1000X720X1050																																																																																																																																																																																																																																																																																	
ST-ZW7.5F-10		10	0.8							ST-ZW11F-8	11	8	1.6	63	RP 3/4	460	22	(25cm)1	1156X845X1250	ST-ZW11F-10	15	10	1.4	65	RP1	620	28	(50cm)1	1306X945X1260	ST-ZW15F-8	8	2.5	ST-ZW18F-8	18	8	3	67	RP1	750	33	(50cm)1	1520X1060X1390	ST-ZW18F-10	10	2.5	ST-ZW22F-8	22	8	3.6	68	RP1	840	33	(50cm)1	1520X1060X1390	ST-ZW22F-10	10	3.2	ST-ZW30F-8	30	8	5	69	RP11/4	1050	66	(25cm)5	1760X1160X1490	ST-ZW30F-10	10	4.5	ST-ZW37F-8	37	8	6.2	71	RP11/4	1100	66	(25cm)5	1760X1160X1490	ST-ZW37F-10	10	5.8	ST-ZW45S-8	45	8	7.3	74	RP 11/2	1050	88	(25cm)5	1760X1160X1490	ST-ZW45F-8	45	8	7.3	74	RP 11/4	1200	88	(25cm)5	1760X1160X1490	ST-ZW45BS-8	45	8	8.1	74	RP 2	1200	110	(50cm)5	1900X1250X1361	ST-ZW45BF-8	45	8	8.1	74	RP2	2000	110	(50cm)5	2350X1250X1880	ST-ZW55S-8	55	8	10	74	RP2	1250	110	(50cm)5	1900X1250X1361	ST-ZW55S-10	10	9	ST-ZW55F-8	55	8	10	74	RP2	2200	110	(50cm)7	2350X1250X1880	ST-ZW75S-8	75	8	13	75	RP2	1650	110	(50cm)5	1900X1250X1361	ST-ZW75S-10	10	10	ST-ZW75F-8	75	8	13	75	RP2	2500	110	(50cm)7	2550X1620X1880	ST-ZW90S-8	90	8	15	76	RP2	2050	110	(50cm)5	1900X1250X1361	ST-ZW90S-10	10	12.8	ST-ZW90F-8	90	8	15	76	RP2	2650	110	(50cm)7	2550X1620X1880	ST-ZW110S-8	110	8	20	78	DN 65	2550	130	(50cm)12	2200X1600X1735	ST-ZW110S-10	110	10	17.8	78	DN65	3500	130	(50cm)12	3000X1700X2250	ST-ZW110F-8	8	20	ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735	ST-ZW132S-10	10	19	ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8
ST-ZW11F-8	11	8	1.6	63	RP 3/4	460	22	(25cm)1	1156X845X1250																																																																																																																																																																																																																																																																																	
ST-ZW11F-10	15	10	1.4	65	RP1	620	28	(50cm)1	1306X945X1260																																																																																																																																																																																																																																																																																	
ST-ZW15F-8		8	2.5							ST-ZW18F-8	18	8	3	67	RP1	750	33	(50cm)1	1520X1060X1390	ST-ZW18F-10	10	2.5	ST-ZW22F-8	22	8	3.6	68	RP1	840	33	(50cm)1	1520X1060X1390	ST-ZW22F-10	10	3.2	ST-ZW30F-8	30	8	5	69	RP11/4	1050	66	(25cm)5	1760X1160X1490	ST-ZW30F-10	10	4.5	ST-ZW37F-8	37	8	6.2	71	RP11/4	1100	66	(25cm)5	1760X1160X1490	ST-ZW37F-10	10	5.8	ST-ZW45S-8	45	8	7.3	74	RP 11/2	1050	88	(25cm)5	1760X1160X1490	ST-ZW45F-8	45	8	7.3	74	RP 11/4	1200	88	(25cm)5	1760X1160X1490	ST-ZW45BS-8	45	8	8.1	74	RP 2	1200	110	(50cm)5	1900X1250X1361	ST-ZW45BF-8	45	8	8.1	74	RP2	2000	110	(50cm)5	2350X1250X1880	ST-ZW55S-8	55	8	10	74	RP2	1250	110	(50cm)5	1900X1250X1361	ST-ZW55S-10	10	9	ST-ZW55F-8	55	8	10	74	RP2	2200	110	(50cm)7	2350X1250X1880	ST-ZW75S-8	75	8	13	75	RP2	1650	110	(50cm)5	1900X1250X1361	ST-ZW75S-10	10	10	ST-ZW75F-8	75	8	13	75	RP2	2500	110	(50cm)7	2550X1620X1880	ST-ZW90S-8	90	8	15	76	RP2	2050	110	(50cm)5	1900X1250X1361	ST-ZW90S-10	10	12.8	ST-ZW90F-8	90	8	15	76	RP2	2650	110	(50cm)7	2550X1620X1880	ST-ZW110S-8	110	8	20	78	DN 65	2550	130	(50cm)12	2200X1600X1735	ST-ZW110S-10	110	10	17.8	78	DN65	3500	130	(50cm)12	3000X1700X2250	ST-ZW110F-8	8	20	ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735	ST-ZW132S-10	10	19	ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																
ST-ZW18F-8	18	8	3	67	RP1	750	33	(50cm)1	1520X1060X1390																																																																																																																																																																																																																																																																																	
ST-ZW18F-10		10	2.5							ST-ZW22F-8	22	8	3.6	68	RP1	840	33	(50cm)1	1520X1060X1390	ST-ZW22F-10	10	3.2	ST-ZW30F-8	30	8	5	69	RP11/4	1050	66	(25cm)5	1760X1160X1490	ST-ZW30F-10	10	4.5	ST-ZW37F-8	37	8	6.2	71	RP11/4	1100	66	(25cm)5	1760X1160X1490	ST-ZW37F-10	10	5.8	ST-ZW45S-8	45	8	7.3	74	RP 11/2	1050	88	(25cm)5	1760X1160X1490	ST-ZW45F-8	45	8	7.3	74	RP 11/4	1200	88	(25cm)5	1760X1160X1490	ST-ZW45BS-8	45	8	8.1	74	RP 2	1200	110	(50cm)5	1900X1250X1361	ST-ZW45BF-8	45	8	8.1	74	RP2	2000	110	(50cm)5	2350X1250X1880	ST-ZW55S-8	55	8	10	74	RP2	1250	110	(50cm)5	1900X1250X1361	ST-ZW55S-10	10	9	ST-ZW55F-8	55	8	10	74	RP2	2200	110	(50cm)7	2350X1250X1880	ST-ZW75S-8	75	8	13	75	RP2	1650	110	(50cm)5	1900X1250X1361	ST-ZW75S-10	10	10	ST-ZW75F-8	75	8	13	75	RP2	2500	110	(50cm)7	2550X1620X1880	ST-ZW90S-8	90	8	15	76	RP2	2050	110	(50cm)5	1900X1250X1361	ST-ZW90S-10	10	12.8	ST-ZW90F-8	90	8	15	76	RP2	2650	110	(50cm)7	2550X1620X1880	ST-ZW110S-8	110	8	20	78	DN 65	2550	130	(50cm)12	2200X1600X1735	ST-ZW110S-10	110	10	17.8	78	DN65	3500	130	(50cm)12	3000X1700X2250	ST-ZW110F-8	8	20	ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735	ST-ZW132S-10	10	19	ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																													
ST-ZW22F-8	22	8	3.6	68	RP1	840	33	(50cm)1	1520X1060X1390																																																																																																																																																																																																																																																																																	
ST-ZW22F-10		10	3.2							ST-ZW30F-8	30	8	5	69	RP11/4	1050	66	(25cm)5	1760X1160X1490	ST-ZW30F-10	10	4.5	ST-ZW37F-8	37	8	6.2	71	RP11/4	1100	66	(25cm)5	1760X1160X1490	ST-ZW37F-10	10	5.8	ST-ZW45S-8	45	8	7.3	74	RP 11/2	1050	88	(25cm)5	1760X1160X1490	ST-ZW45F-8	45	8	7.3	74	RP 11/4	1200	88	(25cm)5	1760X1160X1490	ST-ZW45BS-8	45	8	8.1	74	RP 2	1200	110	(50cm)5	1900X1250X1361	ST-ZW45BF-8	45	8	8.1	74	RP2	2000	110	(50cm)5	2350X1250X1880	ST-ZW55S-8	55	8	10	74	RP2	1250	110	(50cm)5	1900X1250X1361	ST-ZW55S-10	10	9	ST-ZW55F-8	55	8	10	74	RP2	2200	110	(50cm)7	2350X1250X1880	ST-ZW75S-8	75	8	13	75	RP2	1650	110	(50cm)5	1900X1250X1361	ST-ZW75S-10	10	10	ST-ZW75F-8	75	8	13	75	RP2	2500	110	(50cm)7	2550X1620X1880	ST-ZW90S-8	90	8	15	76	RP2	2050	110	(50cm)5	1900X1250X1361	ST-ZW90S-10	10	12.8	ST-ZW90F-8	90	8	15	76	RP2	2650	110	(50cm)7	2550X1620X1880	ST-ZW110S-8	110	8	20	78	DN 65	2550	130	(50cm)12	2200X1600X1735	ST-ZW110S-10	110	10	17.8	78	DN65	3500	130	(50cm)12	3000X1700X2250	ST-ZW110F-8	8	20	ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735	ST-ZW132S-10	10	19	ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																																										
ST-ZW30F-8	30	8	5	69	RP11/4	1050	66	(25cm)5	1760X1160X1490																																																																																																																																																																																																																																																																																	
ST-ZW30F-10		10	4.5							ST-ZW37F-8	37	8	6.2	71	RP11/4	1100	66	(25cm)5	1760X1160X1490	ST-ZW37F-10	10	5.8	ST-ZW45S-8	45	8	7.3	74	RP 11/2	1050	88	(25cm)5	1760X1160X1490	ST-ZW45F-8	45	8	7.3	74	RP 11/4	1200	88	(25cm)5	1760X1160X1490	ST-ZW45BS-8	45	8	8.1	74	RP 2	1200	110	(50cm)5	1900X1250X1361	ST-ZW45BF-8	45	8	8.1	74	RP2	2000	110	(50cm)5	2350X1250X1880	ST-ZW55S-8	55	8	10	74	RP2	1250	110	(50cm)5	1900X1250X1361	ST-ZW55S-10	10	9	ST-ZW55F-8	55	8	10	74	RP2	2200	110	(50cm)7	2350X1250X1880	ST-ZW75S-8	75	8	13	75	RP2	1650	110	(50cm)5	1900X1250X1361	ST-ZW75S-10	10	10	ST-ZW75F-8	75	8	13	75	RP2	2500	110	(50cm)7	2550X1620X1880	ST-ZW90S-8	90	8	15	76	RP2	2050	110	(50cm)5	1900X1250X1361	ST-ZW90S-10	10	12.8	ST-ZW90F-8	90	8	15	76	RP2	2650	110	(50cm)7	2550X1620X1880	ST-ZW110S-8	110	8	20	78	DN 65	2550	130	(50cm)12	2200X1600X1735	ST-ZW110S-10	110	10	17.8	78	DN65	3500	130	(50cm)12	3000X1700X2250	ST-ZW110F-8	8	20	ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735	ST-ZW132S-10	10	19	ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																																																							
ST-ZW37F-8	37	8	6.2	71	RP11/4	1100	66	(25cm)5	1760X1160X1490																																																																																																																																																																																																																																																																																	
ST-ZW37F-10		10	5.8							ST-ZW45S-8	45	8	7.3	74	RP 11/2	1050	88	(25cm)5	1760X1160X1490	ST-ZW45F-8	45	8	7.3	74	RP 11/4	1200	88	(25cm)5	1760X1160X1490	ST-ZW45BS-8	45	8	8.1	74	RP 2	1200	110	(50cm)5	1900X1250X1361	ST-ZW45BF-8	45	8	8.1	74	RP2	2000	110	(50cm)5	2350X1250X1880	ST-ZW55S-8	55	8	10	74	RP2	1250	110	(50cm)5	1900X1250X1361	ST-ZW55S-10	10	9	ST-ZW55F-8	55	8	10	74	RP2	2200	110	(50cm)7	2350X1250X1880	ST-ZW75S-8	75	8	13	75	RP2	1650	110	(50cm)5	1900X1250X1361	ST-ZW75S-10	10	10	ST-ZW75F-8	75	8	13	75	RP2	2500	110	(50cm)7	2550X1620X1880	ST-ZW90S-8	90	8	15	76	RP2	2050	110	(50cm)5	1900X1250X1361	ST-ZW90S-10	10	12.8	ST-ZW90F-8	90	8	15	76	RP2	2650	110	(50cm)7	2550X1620X1880	ST-ZW110S-8	110	8	20	78	DN 65	2550	130	(50cm)12	2200X1600X1735	ST-ZW110S-10	110	10	17.8	78	DN65	3500	130	(50cm)12	3000X1700X2250	ST-ZW110F-8	8	20	ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735	ST-ZW132S-10	10	19	ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																																																																				
ST-ZW45S-8	45	8	7.3	74	RP 11/2	1050	88	(25cm)5	1760X1160X1490																																																																																																																																																																																																																																																																																	
ST-ZW45F-8	45	8	7.3	74	RP 11/4	1200	88	(25cm)5	1760X1160X1490																																																																																																																																																																																																																																																																																	
ST-ZW45BS-8	45	8	8.1	74	RP 2	1200	110	(50cm)5	1900X1250X1361																																																																																																																																																																																																																																																																																	
ST-ZW45BF-8	45	8	8.1	74	RP2	2000	110	(50cm)5	2350X1250X1880																																																																																																																																																																																																																																																																																	
ST-ZW55S-8	55	8	10	74	RP2	1250	110	(50cm)5	1900X1250X1361																																																																																																																																																																																																																																																																																	
ST-ZW55S-10		10	9							ST-ZW55F-8	55	8	10	74	RP2	2200	110	(50cm)7	2350X1250X1880	ST-ZW75S-8	75	8	13	75	RP2	1650	110	(50cm)5	1900X1250X1361	ST-ZW75S-10	10	10	ST-ZW75F-8	75	8	13	75	RP2	2500	110	(50cm)7	2550X1620X1880	ST-ZW90S-8	90	8	15	76	RP2	2050	110	(50cm)5	1900X1250X1361	ST-ZW90S-10	10	12.8	ST-ZW90F-8	90	8	15	76	RP2	2650	110	(50cm)7	2550X1620X1880	ST-ZW110S-8	110	8	20	78	DN 65	2550	130	(50cm)12	2200X1600X1735	ST-ZW110S-10	110	10	17.8	78	DN65	3500	130	(50cm)12	3000X1700X2250	ST-ZW110F-8	8	20	ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735	ST-ZW132S-10	10	19	ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																																																																																																																									
ST-ZW55F-8	55	8	10	74	RP2	2200	110	(50cm)7	2350X1250X1880																																																																																																																																																																																																																																																																																	
ST-ZW75S-8	75	8	13	75	RP2	1650	110	(50cm)5	1900X1250X1361																																																																																																																																																																																																																																																																																	
ST-ZW75S-10		10	10							ST-ZW75F-8	75	8	13	75	RP2	2500	110	(50cm)7	2550X1620X1880	ST-ZW90S-8	90	8	15	76	RP2	2050	110	(50cm)5	1900X1250X1361	ST-ZW90S-10	10	12.8	ST-ZW90F-8	90	8	15	76	RP2	2650	110	(50cm)7	2550X1620X1880	ST-ZW110S-8	110	8	20	78	DN 65	2550	130	(50cm)12	2200X1600X1735	ST-ZW110S-10	110	10	17.8	78	DN65	3500	130	(50cm)12	3000X1700X2250	ST-ZW110F-8	8	20	ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735	ST-ZW132S-10	10	19	ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																																																																																																																																																
ST-ZW75F-8	75	8	13	75	RP2	2500	110	(50cm)7	2550X1620X1880																																																																																																																																																																																																																																																																																	
ST-ZW90S-8	90	8	15	76	RP2	2050	110	(50cm)5	1900X1250X1361																																																																																																																																																																																																																																																																																	
ST-ZW90S-10		10	12.8							ST-ZW90F-8	90	8	15	76	RP2	2650	110	(50cm)7	2550X1620X1880	ST-ZW110S-8	110	8	20	78	DN 65	2550	130	(50cm)12	2200X1600X1735	ST-ZW110S-10	110	10	17.8	78	DN65	3500	130	(50cm)12	3000X1700X2250	ST-ZW110F-8	8	20	ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735	ST-ZW132S-10	10	19	ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																																																																																																																																																																							
ST-ZW90F-8	90	8	15	76	RP2	2650	110	(50cm)7	2550X1620X1880																																																																																																																																																																																																																																																																																	
ST-ZW110S-8	110	8	20	78	DN 65	2550	130	(50cm)12	2200X1600X1735																																																																																																																																																																																																																																																																																	
ST-ZW110S-10	110	10	17.8	78	DN65	3500	130	(50cm)12	3000X1700X2250																																																																																																																																																																																																																																																																																	
ST-ZW110F-8		8	20							ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735	ST-ZW132S-10	10	19	ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																																																																																																																																																																																																								
ST-ZW132S-8	132	8	23	80	DN 65	2700	130	(50cm)12	2200X1600X1735																																																																																																																																																																																																																																																																																	
ST-ZW132S-10		10	19							ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735	ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945	ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945	ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300	ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300	ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																																																																																																																																																																																																																					
ST-ZW160S-8	160	8	26	82	DN 65	2900	165	(50cm)12	2200X1600X1735																																																																																																																																																																																																																																																																																	
ST-ZW185S-8	185	8	30	83	DN100	3300	180	(50cm)22	2860X1800X1945																																																																																																																																																																																																																																																																																	
ST-ZW200S-8	200	8	33	83	DN100	3500	180	(50cm)22	2860X1800X1945																																																																																																																																																																																																																																																																																	
ST-ZW220S-8	220	8	36	85	DN100	4500	180	(50cm)22	2860X2000X2300																																																																																																																																																																																																																																																																																	
ST-ZW250S-8	250	8	40	85	DN100	4700	180	(50cm)22	2860X2000X2300																																																																																																																																																																																																																																																																																	
ST-ZW315S-8	315	8	50	90	DN 100	5000	180	(50cm)22	2860X2000X2300																																																																																																																																																																																																																																																																																	

# OIL-FREE WATER LUBRICATION SCREW AIR COMPRESSOR

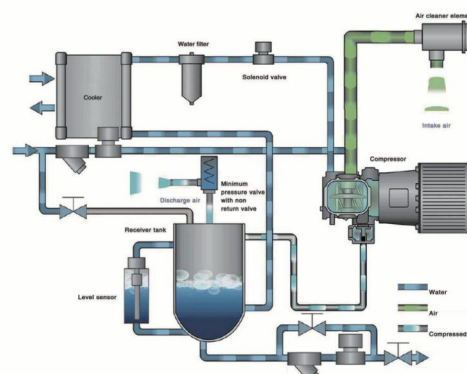
## Medium pressure series Parameters

Model	Power (KW)	Pressur (bar)	Air Delivery (m <sup>3</sup> /min)	Noise Level (dB (A))	Connection	Weight (Kg)	Dimension (mm)
ST-ZW41ZF-3.7/3.0	30+11	30	3.7	65	DN20	1650	3000×1400×1700
ST-ZW41ZS-3.7/3.0	30+11	30	3.7	65	DN20	1250	2900×1400×1700
ST-ZW48ZF-3.7/4.0	30+18.5	40	3.7	65	DN20	1700	3000×1400×1700
ST-ZW48ZS-3.7/4.0	30+18.5	40	3.7	65	DN20	1300	2900×1400×1700
ST-ZW45ZF-4.5/3.0	30+15	30	4.5	65	DN25	1700	3000×1400×1700
ST-ZW45ZS-4.5/3.0	30+15	30	4.5	65	DN25	1400	2900×1400×1700
ST-ZW52ZF-4.5/4.0	30+22	40	4.5	65	DN25	1700	3000×1400×1700
ST-ZW52ZS-4.5/4.0	30+22	40	4.5	65	DN25	1400	2900×1400×1700
ST-ZW52ZF-6.0/2.0	37+15	20	6	70	DN25	1820	3000×1400×1700
ST-ZW52ZS-6.0/2.0	37+15	20	6	70	DN25	1400	2900×1400×1700
ST-ZW59ZF-6.0/3.0	37+22	30	6	70	DN25	2000	3000×1400×1700
ST-ZW59ZS-6.0/3.0	37+22	30	6	70	DN25	1700	2900×1400×1700
ST-ZW67ZF-6.0/4.0	37+30	40	6	70	DN25	2100	3000×1400×1700
ST-ZW67ZS-6.0/4.0	37+30	40	6	70	DN25	1800	2900×1400×1700
ST-ZW77ZF-10.0/2.0	55+22	20	10	73	DN32	3000	3600×1750×2000
ST-ZW77ZS-10.0/2.0	55+22	20	10	73	DN32	2200	3500×1500×1730
ST-ZW92ZF-10.0/3.0	55+37	30	10	73	DN32	3000	3600×1750×2000
ST-ZW92ZS-10.0/3.0	55+37	30	10	73	DN32	2300	3500×1500×1730
ST-ZW112ZF-10.0/4.0	75+37	40	10	73	DN32	3400	4000×1750×2030
ST-ZW112ZS-10.0/4.0	75+37	40	10	73	DN32	2400	3500×1500×1730
ST-ZW105ZF-13.0/2.0	75+30	20	13	75	DN40	3500	4000×1750×2030
ST-ZW105ZS-13.0/2.0	75+30	20	13	75	DN40	2700	3500×1500×1730
ST-ZW120ZF-13.0/3.0	75+45	30	13	75	DN40	3500	4000×1750×2030
ST-ZW120ZS-13.0/3.0	75+45	30	13	75	DN40	2950	3500×1500×1730
ST-ZW135ZS-13.0/4.0	90+45	40	13	75	DN40	3000	3500×1500×1730
ST-ZW127ZS-16.0/2.0	90+37	20	16	77	DN40	3300	4000×1700×1800
ST-ZW145ZS-16.0/3.0	90+55	30	16	77	DN40	3500	4000×1700×1800
ST-ZW165ZS-16.0/4.0	110+55	40	16	77	ON40	3500	4000×1700×1800
ST-ZW165ZS-20.0/2.0	110+55	20	20	78	DN50	3650	4000×1700×1800
ST-ZW185ZS-20.0/3.0	110+75	30	20	78	JN40	4000	4000×1700×1800
ST-ZW207ZS-20.0/4.0	132+75	40	20	78	DN40	4000	4000×1700×1800
ST-ZW197ZS-24.0/2.0	132+65	20	24	78	DN50	4500	4000×1800×2100
ST-ZW222ZS-24.0/3.0	132+90	30	24	78	DN50	4500	4000×1800×2100
ST-ZW250ZS-24.0/4.0	160+90	40	24	78	DN50	4600	4000×1800×2100
ST-ZW220ZS-28.0/2.0	185+55	20	28	78	DN65	4600	4200×2000×2100
ST-ZW260ZS-28.0/3.0	185+75	30	28	78	DN50	4700	4200×2000×2100
ST-ZW290ZS-28.0/4.0	200+90	40	28	78	DN50	4800	4200×2000×2100
ST-ZW295ZS-36.0/2.0	185+110	20	36	80	DN65	5000	4500×2250×2200
ST-ZW317ZS-36.0/3.0	185+132	30	36	80	DN65	5000	4500×2250×2200
ST-ZW360ZS-36.0/4.0	200+160	40	36	80	DN65	5000	4500×2250×2200
ST-ZW330ZS-40.0/2.0	220+110	20	40	80	DN65	5000	4500×2250×2200
ST-ZW352ZS-40.0/3.0	220+132	30	40	80	DN65	5000	4500×2250×2200
ST-ZW405ZS-40.0/4.0	220+185	40	40	80	DN65	5000	4500×2250×2200

# OIL-FREE WATER LUBRICATION SCREW AIR COMPRESSOR

## Low pressure series Parameters

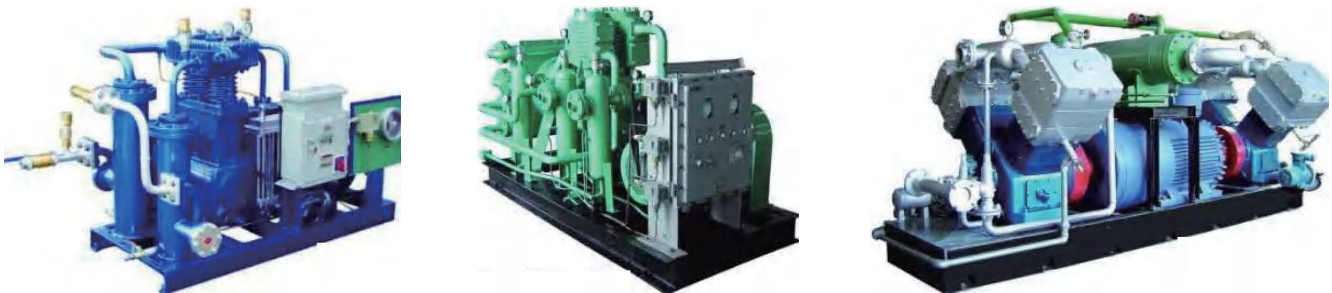
Model	Power (KW)	Pressure (bar)	Air Delivery (m <sup>3</sup> /min)	Noise Level (dB (A))	Connection	Weight (Kg)	Dimension (mm)
ST-ZW15DF-4	11	4	2.5	58	RP1	600	1306X945×1260
ST-ZW22DF-4	15	4	3.6	60	RP1	800	1520X1060X1390
ST-ZW37DF-4	22	4	5	61	RP11/4	1050	1760X1160X1490
ST-ZW45DF-4	37	4	8.1	65	RP2	1950	2350X1250X1880
ST-ZW45DS-4	37	4	8.1	65	RP2	1150	1900×1250X1361
ST-ZW55DF-4	45	4	10	70	RP2	2050	2350X1250X1880
ST-ZW55DS-4	45	4	10	70	RP2	1200	1900X1250X1361
ST-ZW75DF-4	55	4	13	71	RP2	2400	2550X1620X1880
ST-ZW75DS-4	55	4	13	71	RP2	1550	1900×1250X1361
ST-ZW90DF-4	75	4	15	75	RP2	2550	2550X1620X1880
ST-ZW90DS-4	75	4	15	75	RP2	2000	1900X1250X1361
ST-ZW110DF-4	90	4	20	77	DN65	3350	3000X1700X2250
ST-ZW110DS-4	90	4	20	77	DN65	2550	2200X1600X1735
ST-ZW160DS-4	110	4	26	77	DN65	2750	2200X1600X1735
ST-ZW185DS-4	132	4	30	78	DN100	3100	2860X1800X1945
ST-ZW200DS-4	160	4	33	78	DN100	3300	2860X1800X1945
ST-ZW250DS-4	185	4	40	79	DN100	4400	2860X1800X1945
ST-ZW315DS-4	200	4	45	80	DN100	4500	2860X1800X1945
ST-ZW355DS-4	220	4	50	80	DN100	4600	2860X1800X1945



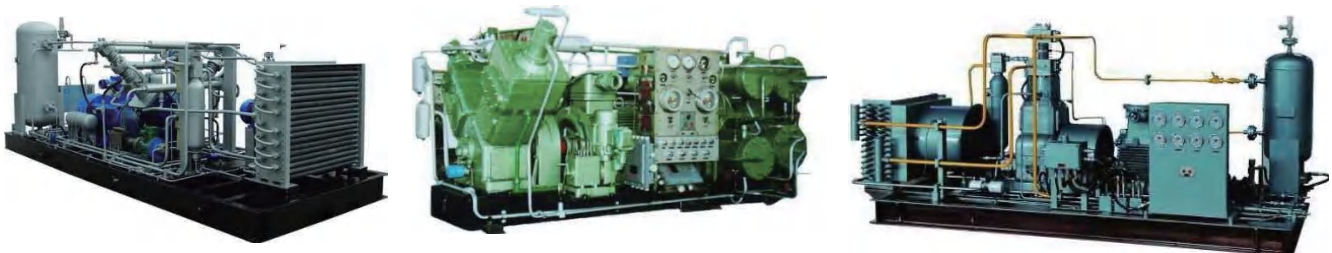
## SPECIAL GAS COMPRESSOR

The special gas compressor is divided into six major series, with a volume flow rate of 0.05-200m<sup>3</sup> and a pressure range of 0-40MPa. It can compress various types of special gases with similar media, such as liquefied petroleum gas, natural gas, chloromethane, liquid ammonia, propylene, Freon, nitrogen, casing gas, air, dimethyl ether, oilfield gas, hydrogen nitrogen gas, carbon dioxide, pentafluoromethane, refrigerant, trifluoropropene, coal gas, low-temperature ethylene, etc. The product is widely used in departments such as gas, petroleum, chemical, pharmaceutical, food, urban construction, etc.

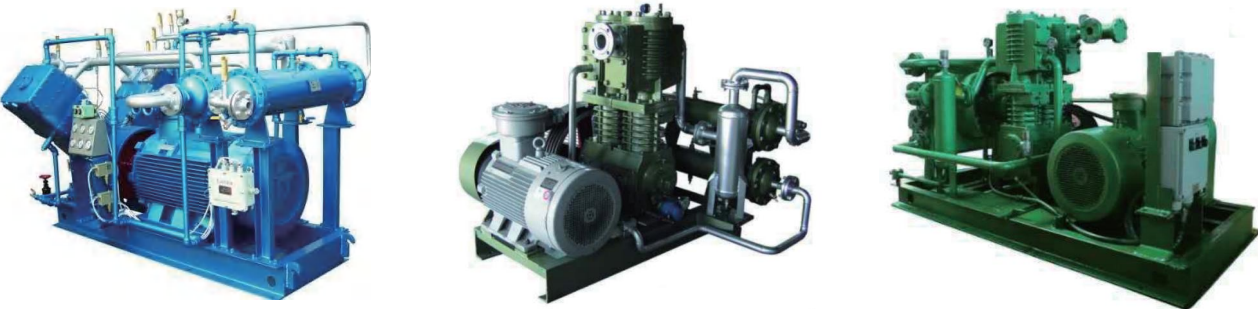
### For oil field and refinery gas



### For natural gas refueling station



### For natural gas refueling station



### For natural gas dehydration system



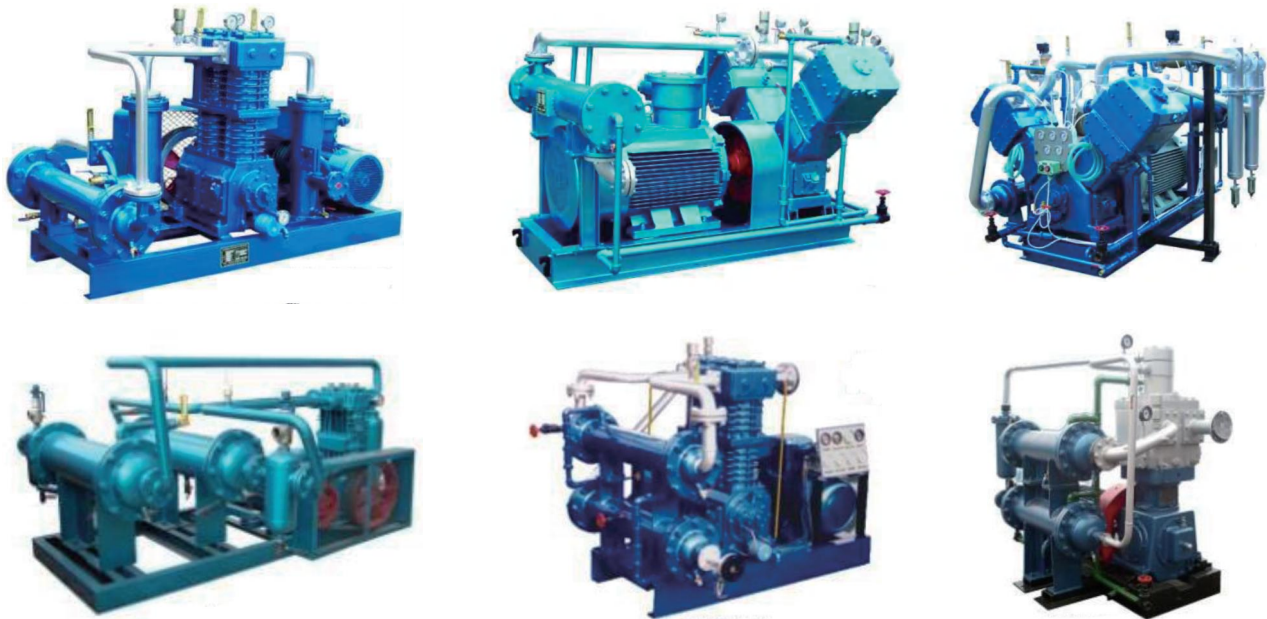


## SPECIAL GAS COMPRESSOR

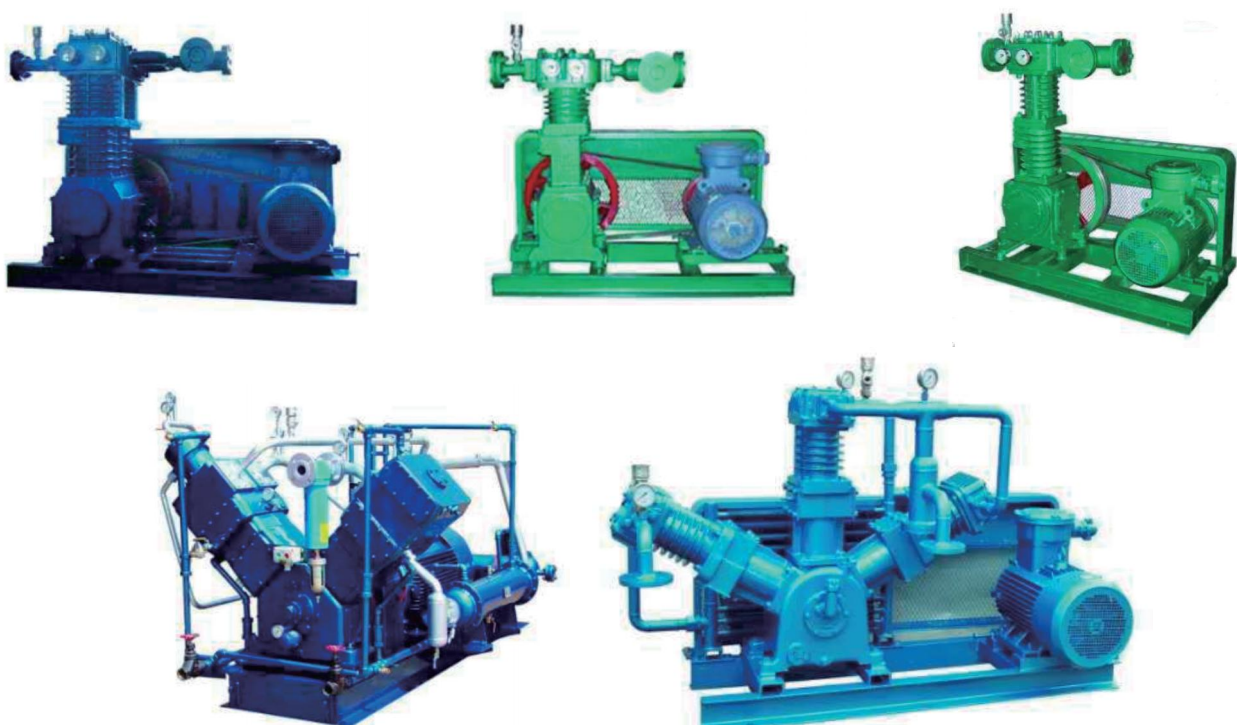
For liquefied petroleum gas



For chemical and special industrial gas



For the recovery of nitrogen sulfide process gas and tire pyrolysis gas



# SPECIAL GAS COMPRESSOR

## Parameters

Model	Gas Type	Air Delivery (m <sup>3</sup> /min)	Intake pressure (MPa)	Discharge pressure (MPa)	Cooling Method	Rotation Speed (r/min)	Motor Power (KW)	Dimension (mm)	Weight (Kg)
<b>For Natural Gas</b>									
ST-ZW0.1(30-170)-210	Natural Gas	0.1	3-17	21	Air Cooling	740	30	2700×2000×1950	4000
ST-ZW0.4/3-15	Natural Gas	0.4	0.3	1.5	Air Cooling	550	5.5	1450×800×1050	650
ST-ZW0.62/2-40	Natural Gas	0.62	0.2	4.0	Air Cooling	600	22	1600×1635×1300	1120
ST-ZW1.5/2-6	Natural Gas	1.5	0.1-0.2	0.6	Air Cooling	550	15	1400×900×1180	980
ST-ZW1.6/0.5-1	Natural Gas	1.6	0.05	0.1	Air Cooling	580	7.5	1400×900×1180	900
ST-ZW2.0/0.05-4	Natural Gas	2.0	0.005	0.4	Air Cooling	750	11	1400×900×1180	950
ST-ZW2.0/2-16	Natural Gas	2.0	1.6	2.0	Water Cooling	780	30	2200×1800×1550	1800
ST-ZW2.4/4-10	Natural Gas	2.4	0.4	1.0	Air Cooling	820	30	1430×900×1180	1030
ST-ZW2/0.05-3	Natural Gas	2	0.005	0.3	Air Cooling	750	11	1400×900×1180	950
ST-ZW2.2/0.5-3	Natural Gas	2.2	0.05	0.3	Air Cooling	800	11	1400×900×1180	950
ST-ZW2.5/0.1-1	Natural Gas	2.5	0.01	0.1	Air Cooling	850	11	1400×900×1180	950
ST-VW3.5/1-18	Natural Gas	3.5	0.1	1.8	Water Cooling	980	55	2120×1648×1356	2000
ST-VW9/0.04-3	Natural Gas	9	0.004	0.3	Water Cooling	980	45	1850×1700×1700	2000
ST-VW3/2-8	Natural Gas	3	0.2	0.8	Water Cooling	730	22	1700×1700×1450	1500
ST-VW14.5/0.5-2	Natural Gas	14.5	0.05	0.2	Water Cooling	740	55	2300×1700×1700	2100
ST-VW1.5/6-50	Natural Gas	1.5	0.6	5.0	Air Cooling	990	75	2400×1800×1750	2300
ST-VW7.5/0.5-3	Natural Gas	7.5	0.05-0.08	0.3	Water Cooling	980	37	2300×1700×1700	1700
ST-VW2.5/2-40	Natural Gas	2.5	0.2	4.0	Water Cooling	740	75	2500×1900×1600	2400
ST-VW8/0.2-10	Natural Gas	8	0.02	1.0	Water Cooling	990	75	2400×1850×1650	2000
ST-VW5/3	Natural Gas	5	Normal	0.3	Water Cooling	980	30	1780×1625×1325	1300
ST-DW1.5/2-8	Natural Gas	1.5	0.1-0.2	0.6-0.8	Water Cooling	730	15	2000×2000×1100	1800
ST-DW1/0.02-15	Natural Gas	1	0.002	1.5	Water Cooling	730	11	2000×1700×1100	1500
ST-DW4.0/(0.5-0.8)-3	Natural Gas	4.0	0.05-0.08	0.3	Air Cooling	740	22	1800×1500×600	2000
ST-DW5/1-250-X	Natural Gas	5	0.1	25	Water Cooling	740	132	4800×2950×2700	15000
ST-DW2.62/4-250-X	Natural Gas	2.62	0.4	25	Water Cooling	740	132	4800×2950×2700	15000
ST-DW1.35/10-250-X	Natural Gas	1.35	1.0	25	Water Cooling	740	132	4800×2950×2700	14000
ST-T0.28/(30-200)-250	Natural Gas	0.28	0.3-20	25	Air Cooling	740	75	5538×2438×2438	9620
ST-VW.32/(30-200)-250	Natural Gas	0.32	0.3-20	25	Air Cooling	740	90	5538×2438×2438	9650
ST-VW6/(0-16.2)-(5-20)	Natural Gas	6	(0-1.62)	(0.5-2.0)	Air Cooling	740	75	3530×2140×1900	2350
ST-VF0.28/(30-200)-250	Natural Gas	0.28	0.3-20	25	Air Cooling	740	75	5500×2000×2010	7620
ST-VF0.32/(30-200)-250	Natural Gas	0.32	0.3-20	25	Air Cooling	740	90	5500×2000×2010	7650

Model	Air Delivery (m <sup>3</sup> /min)	Rotation Speed (r/min)	Motor Power (KW)	Flow Rate (m <sup>3</sup> /d)		
				0.1MPa	0.2MPa	0.3MPa
<b>Recovery of casing gas in oil fields</b>						
ST-ZW0.2/1-15	0.2	550	3	540	810	1070
ST-ZW0.4/1-15	0.4	550	5.5	1070	1610	2150
ST-ZW0.55/1-15	0.55	750	7.5	1480	2210	3950
ST-ZW1.0/1-15	1	750	11	2680	4030	5370
ST-ZW1.35/1-15	1.35	980	15	3620	5340	7250

# AIR COMPRESSOR ACCESSORIES

## Parameters

Model	Gas Type	Air Delivery (m <sup>3</sup> /min)	Intake pressure (MPa)	Discharge pressure (MPa)	Cooling Method	Rotation Speed (r/min)	Motor Power (KW)	Dimension (mm)	Weight (KG)
<b>For liquefied petroleum gas</b>									
ST-ZW0.45/10-15(10-16)	LPG	0.45	1.0	1.5(1.6)	Air Cooling	440	5.5	1100×740×950	350
ST-ZW0.5/10-15(10-16)	LPG	0.5	1.0	1.5(1.6)	Air Cooling	490	7.5	1100×740×950	360
ST-ZW0.6/10-15(10-16)	LPG	0.6	1.0	1.5(1.6)	Air Cooling	585	7.5	1100×740×950	365
ST-ZW0.8/10-15(10-16)	LPG	0.8	1.0	1.5(1.6)	Air Cooling	780	11	1100×740×950	420
ST-ZW0.95/10-15(10-16)	LPG	0.95	1.0	1.5(1.6)	Air Cooling	925	11	1100×740×950	425
ST-ZW1.0/10-15(10-16)	LPG	1.0	1.0	1.5(1.6)	Air Cooling	975	11	1100×740×950	430
ST-ZW1.1/10-15(10-16)	LPG	1.1	1.0	1.5(1.6)	Air Cooling	130	15	1200×760×1040	490
ST-ZW1.2/10-15(10-16)	LPG	1.2	1.0	1.5(1.6)	Air Cooling	535	15	1200×760×1040	500
ST-ZW1.35/10-15(10-16)	LPG	1.35	1.0	1.5(1.6)	Air Cooling	600	18.5	1250×760×1040	530
ST-ZW1.5/10-15(10-16)	LPG	1.5	1.0	1.5(1.6)	Air Cooling	665	18.5	1250×760×1040	540
ST-ZW1.6/10-15(10-16)	LPG	1.6	1.0	1.5(1.6)	Air Cooling	710	22	1250×760×1040	580
ST-ZW2.0/10-15(10-16)	LPG	2.0	1.0	1.5(1.6)	Air Cooling	890	30	1250×850×1040	650
ST-ZW2.5/10-15(10-16)	LPG	2.5	1.0	1.5(1.6)	Air Cooling	915	37	1350×900×1200	860
ST-ZW3.0/10-15(10-16)	LPG	3.0	1.0	1.5(1.6)	Air Cooling	980	45	1500×950×1400	1600
ST-DW4.0/10-15(10-16)	LPG	4.0	1.0	1.5(1.6)	Air Cooling	980	55	2000×1700×1400	1700
ST-DW5.0/10-15(10-16)	LPG	5.0	1.0	1.5(1.6)	Air Cooling	990	75	2000×1700×1400	1900
ST-DW4.0/10-15(10-16)	LPG	4.0	1.0	1.5(1.6)	Air Cooling	980	55	2000×1700×1400	1700
ST-DW5.0/10-15(10-16)	LPG	5.0	1.0	1.5(1.6)	Air Cooling	990	75	2000×1700×1400	1900
ST-VW6.0/10-15(10-16)	LPG	6.0	1.0	1.5(1.6)	Air Cooling	990	90	2000×1700×1400	2000
ST-VW8.0/10-15(10-16)	LPG	8.0	1.0	1.5(1.6)	Air Cooling	990	110	2000×1700×1400	2300
<b>For chemical, oilfield, and refinery gas</b>									
ST-ZW0.15/15-25	Hydrogen, nitrogen gas	0.15	1.5	2.5	Air Cooling	320	5.5	1000×710×865	410
ST-ZW0.2/20-35	Wolffluoroethane, tetrafluoroethane	0.2	2.0	3.5	Air Cooling	375	7.5	1000×740×960	450
ST-ZW0.4/10-16	Trifluorobromomethane, methane	0.4	1.0	1.6	Air Cooling	750	5.5	1000×710×865	410
ST-ZW0.6/0.02-5	Methyl bromide	0.6	0.002	0.5	Air Cooling	520	5.5	1000×710×865	450
ST-ZW0.6/10-16	Dimethyl ether, butane	0.6	1.0	1.6	Air Cooling	960	22	1000×710×865	660
ST-ZW0.8/10-16	Chloroethylene	0.8	1.0	1.6	Air Cooling	550	11	1100×740×960	550
ST-ZW1.0/0.2-15	Chloroethylene	1.0	0.02	1.5	Air Cooling	750	15	1679×1250×1187	1050
ST-ZW1.0/0.3-12	Dimethyl ether, light hydrocarbon tail gas, refinery gas, rich gas	1.0	0.03	1.2	Air Cooling	750	11	2020×1380×1210	1100
ST-ZW1.0/12-32	Light hydrocarbon tail gas, refinery gas	1.0	1.2	3.2	Air Cooling	750	37	1100×960×740	790
ST-ZW2.5/8-16	Freon, HFC-32, HFC-125	2.5	0.8	1.6	Air Cooling	850	37	1400×900×1180	1080
ST-VW0.8/5-16	Light hydrocarbon tail gas, refinery gas	0.8	0.5	1.6	Air Cooling	820	22	1900×780×1000	900
ST-VW0.85/5-40	Chloromethane	0.85	0.5	4.0	Water Cooling	730	37	1850×1800×1600	2000
ST-VW3/8	Hydrogen, methane	3	常压	0.8	Water Cooling	730	22	1585×1630×1600	1800
ST-VW4.0/0.2-2	Propane	4.0	0.02	0.2	Water Cooling	980	18.5	1700×1700×1400	1500
ST-VW4.0/2-18	Light hydrocarbon tail gas, alcohol vapor	4.0	0.2	1.8	Water Cooling	740	55	1780×1700×1500	2200
ST-VW4/1-23	Propane	4.0	0.1	2.3	Water Cooling	740	55	2000×1700×1500	2200
VW6.0/0.3-12	Propylene	6.0	0.03	1.2	Water Cooling	980	55	2300×1700×1500	2500
ST-VW8/0.2-12	Oilfield gas, refinery tail gas, rich gas	8	0.02	1.2	Water Cooling	990	75	2400×1850×1650	2500
ST-VW8/2.5	Refinery gas, oilfield gas, light hydrocarbon tail gas	8	微正压	0.25	Water Cooling	980	30	1750×1700×1400	1800
ST-VW9/0.04-3	Difluoromethane	9	0.004	0.3	Water Cooling	980	45	2120×1648×1556	2000
ST-VW13/0.04-21	Coal gas, natural gas	13	0.004	2.1	Water Cooling	990	110	2350×1570×1475	3000
ST-VW13.3/(0-4)-5	Propylene gas, oilfield gas, refinery tail gas	13.3	0-0.4	0.5	Water Cooling	990	90	2840×2300×1630	3000
ST-DW1/0.02-15	Chloromethane, dimethyl ether	1	0.002	1.5	Water Cooling	730	11	2000×1900×1100	1500
ST-DW1/2-16	Dimethyl ether, light hydrocarbon tail gas, refinery gas	1	0.2	1.6	Water Cooling	730	18.5	2000×1900×1100	1650
ST-DW1/5-20	Chemical tail gas, oilfield gas	1	0.5	2.0	Water Cooling	730	30	2000×1900×1100	1800
ST-DW2/0.02-15	Oilfield gas	2	0.002	1.5	Water Cooling	980	18.5	2021×1970×1137	1400
ST-DW2.4/0.2-6	Dimethyl ether, light hydrocarbon tail gas, refinery gas	2.4	0.02	0.6	Water Cooling	980	18.5	2000×1920×1100	1400
ST-DW2/10-15	Refinery gas, oilfield gas, isobutylene	2	1.0	1.5	Air Cooling	730	30	1686×1900×880	1450
ST-DW2/16-24	Methyl bromide	2	1.6	2.4	Air Cooling	730	45	1686×1900×880	1450
ST-DW3/10-15	Propylene gas, butadiene	3	1.0	1.5	Air Cooling	980	45	1686×1900×930	1400
ST-DW1/4-22	Butane, butene	1	0.4	2.2	Water Cooling	730	30	2000×2000×1100	1800
ST-VW4.5/16	Nitrogen gas, oilfield gas	4.5	常压	1.6	Water Cooling	860	37	2300×1750×1650	2500
ST-ZW0.06/5-8	Pentafluoroethane	0.06	0.5	0.8	Air Cooling	730	7.5	1280×590×900	270
ST-ZZW30/10	Sour gas	30	常压	1	Water Cooling	900	185	4200×1580×1550	6500

## EXPLOSION-PROOF AIR COMPRESSOR

Explosion-proof air compressors are special gas compression equipment designed for use in hazardous environments. They have characteristics such as explosion-proof, safety and stability, high efficiency, and energy-saving, and are widely used in petrochemical, mining, and chemical industries.



### Features

- They have safety features such as explosion-proof and fire prevention, which can effectively prevent dangerous accidents such as fires and explosions during equipment operation.
- The equipment is made of special explosion-proof materials, which are corrosion-resistant and wear-resistant and can operate stably in harsh environments.
- Air compressors have high working efficiency, can quickly compress gas, and output high-quality air that meets relevant safety standards and requirements.
- The equipment has intelligent control functions, which can monitor and adjust the operating status of the compressor to ensure safe and stable operation.

### Application

- Petroleum, natural gas, and other petrochemical industries, used for transporting and processing flammable and explosive gases;
- Mining industries such as coal mines, metal mines, etc., used for extracting and transporting coalbed methane and other gases;
- Chemical, pharmaceutical, and other industries, used for compressing and transporting various gases;
- Other industries that require the use of gas in hazardous environments, such as rocket launches, oilfield development, etc.

# EXPLOSION-PROOF AIR COMPRESSOR

## Parameters

Model	Motor Power (KW)	Rotational speed (rpm)	Air Delivery (m³/min)	Working Pressure (Mpa)	Dimension (mm)	Explosion-proof Rating
ST-BLG-1.0/8	7.5	2980	1	8	1700*1100*1400	BT4
ST-BLG-1.5/8	11	2980	1.5	8	1700*1100*1400	BT4
ST-BLG-2/8	15	2980	2	8	1700*1100*1400	BT4
ST-BLG-3.5/8	22	2980	3.5	8	1700*1100*1400	BT4
ST-BLG-4.8/8	30	2980	4.8	8	1700*1100*1400	BT4
ST-BLG-6/8	37	2980	6	8	2000*1200*1500	BT4
ST-BLG-7/8	45	2980	7	8	2300*1300*1600	BT4
ST-BLG-10/8	55	2980	10	8	2300*1300*1600	BT4
ST-BLG-13/8	75	2980	13	8	2500*1300*1600	BT4
ST-BLG-16/8	90	2980	16	8	2500*1300*1600	BT4
ST-BLG-20/8	110	2980	20	8	3000*1400*1500	BT4
ST-BLG-24/8	132	2980	24	8	3000*1400*1500	BT4
ST-BLG-26/8	160	2980	26	8	3000*1600*1700	BT4
ST-BLG-30/8	185	2980	30	8	3000*1600*1700	BT4
ST-MLGF3/8	18.5	2980	3	8	2160*1100*1400	Explosion-proof for mining
ST-MLGF4/8	22	2980	4	8	2160*1100*1400	Explosion-proof for mining
ST-MLGF6/8	37	2980	6	8	2460*1200*1400	Explosion-proof for mining
ST-MLGF10/8	55	2980	10	8	2760*1300*1500	Explosion-proof for mining
ST-MLGF13/8	75	2980	13	8	2960*1300*1600	Explosion-proof for mining
ST-MLGF16/8	90	2980	16	8	2960*1300*1600	Explosion-proof for mining
ST-MLGF20/8	110	2980	20	8	3460*1400*1850	Explosion-proof for mining
ST-MLGF22/8	132	2980	22	8	3460*1400*1850	Explosion-proof for mining
ST-MLGF26/8	160	2980	26	8	3460*1600*1850	Explosion-proof for mining
ST-MLGF32/8	185	2980	32	8	3460*1600*1850	Explosion-proof for mining
ST-FBLG-1.0/8	7.5	2980	1	8	1700*1100*1400	Dust explosion-proof
ST-FBLG-1.5/8	11	2980	1.5	8	1700*1100*1400	Dust explosion-proof
ST-FBLG-2/8	15	2980	2	8	1700*1100*1400	Dust explosion-proof
ST-FBLG-3.5/8	22	2980	3.5	8	1700*1100*1400	Dust explosion-proof
ST-FBLG-4.8/8	30	2980	4.8	8	1700*1100*1400	Dust explosion-proof
ST-FBLG-6/8	37	2980	6	8	2000*1200*1500	Dust explosion-proof
ST-FBLG-7/8	45	2980	7	8	2300*1300*1600	Dust explosion-proof
ST-FBLG-10/8	55	2980	10	8	2300*1300*1600	Dust explosion-proof
ST-FBLG-13/8	75	2980	13	8	2500*1300*1600	Dust explosion-proof
ST-FBLG-16/8	90	2980	16	8	2500*1300*1600	Dust explosion-proof
ST-FBLG-20/8	110	2980	20	8	3000*1400*1500	Dust explosion-proof
ST-FBLG-24/8	132	2980	24	8	3000*1400*1500	Dust explosion-proof
ST-FBLG-26/8	160	2980	26	8	3000*1600*1700	Dust explosion-proof
ST-FBLG-30/8	185	2980	30	8	3000*1600*1700	Dust explosion-proof
ST-CLG-1.0/8	7.5	2980	1	8	1700*1100*1400	CT4
ST-CLG-1.5/8	11	2980	1.5	8	1700*1100*1400	CT4
ST-CLG-2/8	15	2980	2	8	1700*1100*1400	CT4
ST-CLG-3.5/8	22	2980	3.5	8	1700*1100*1400	CT4
ST-CLG-4.8/8	30	2980	4.8	8	1700*1100*1400	CT4
ST-CLG-6/8	37	2980	6	8	2000*1200*1500	CT4
ST-CLG-7/8	45	2980	7	8	2300*1300*1600	CT4
ST-CLG-10/8	55	2980	10	8	2300*1300*1600	CT4
ST-CLG-13/8	75	2980	13	8	2500*1300*1600	CT4
ST-CLG-16/8	90	2980	16	8	2500*1300*1600	CT4
ST-CLG-20/8	110	2980	20	8	3000*1400*1500	CT4
ST-CLG-24/8	132	2980	24	8	3000*1400*1500	CT4
ST-CLG-26/8	160	2980	26	8	3000*1600*1700	CT4
ST-CLG-30/8	185	2980	30	8	3000*1600*1700	CT4

# RESIDUAL HEAT REGENERATION DRYER



## Operating Conditions

Working Pressure	0.4-1.0 MPa
Inlet temperature	120°C-170°C
Dew point of the air outlet	-20°C—40°C
Gas consumption rate	0%/1.2%
Pressure Drop	≤0.021 MPa
Switching Cycle	2h/4h
Adsorbent	Active alumina
Inlet oil content	≤0.1 PPM
Power	100W

## Features

- Adopting a long 4-hour cycle switching mode, the overall performance of the equipment is excellent.
- Using a fully regenerative process, the regeneration heating is done using a large flow of high-pressure compressed air, which can thoroughly regenerate the adsorbent.
- The regeneration heater is not needed, so there is no need to consume electricity, saving energy required for regeneration.
- Adding a cooling step sequence ensures that the dew point of the outlet air is stable, effectively guaranteeing the quality of the gas source.
- The equipment is fully integrated and delivered as a whole unit.

## Parameters

Model	ST-20 YR	ST-25 YR	ST-30 YR	ST-40 YR	ST-50 YR	ST-60 YR	ST-80 YR	ST-100 YR	ST-120 YR	ST-150 YR	ST-200 YR	ST-250 YR	ST-300 YR	ST-350 YR	ST-400 YR	ST-500 YR
Capacity (m <sup>3</sup> /min)	23	27	2.4	45	55	65	87	110	130	160	210	260	320	360	410	510
Cooling water flow rate (t/h)	8.6	10.8	12.8	17.2	21.4	26.5	34.5	43.1	52.3	65	90	108	132	161	200	250
Dimension LxHxW (mm)	2070	2410	2740	2900	3050	3190	330	3520	3700	3900	4680	5400	6900	7540	8210	9100
	1030	1200	1350	1510	1690	1810	1920	2100	2330	2450	2750	3000	3300	3470	3580	3620
	2310	2430	2650	2780	2830	2880	2910	2990	2170	3200	3510	3720	3940	3920	3850	3860
Inlet/Outlet Diameter	DN80	DN80	DN80	DN100	DN100	DN125	DN150	DN150	DN150	DN200	DN200	DN250	DN250	DN300	DN300	DN350
Weight (Kg)	1480	1720	1980	2500	3130	3920	4650	5690	6530	7500	9320	12400	1430	15900	17200	19200

# AIR BLAST DRYING MACHINE



## Operating Conditions

Working Pressure	0.4-1.0 MPa
Dew point of the air outlet	-40°C
Gas consumption rate	2%/1%
Pressure Drop	≤0.021 MPa
Switching Cycle	4h
Adsorbent	Active alumina
Inlet oil content	≤0.1 PPM(w)
Power supply	3PH/380V/50Hz

## Features

- Adopting a 4-hour long cycle switching mode, the overall performance of the whole machine is good.
- Using a complete regeneration process, the adsorbent can be thoroughly regenerated, resulting in a large dynamic adsorption capacity and good equipment economy.
- Regeneration heating uses ambient air, which has energy-saving advantages.
- Multiple interlock protections and alarms greatly improve the safety and reliability of the device.
- The export dew point is stable, effectively ensuring the gas quality of the compressed air.
- The equipment is integrated and delivered as a whole.

## Parameters

Model	ST-25 GF	ST-20 GF	ST-30 GF	ST-40 GF	ST-50 GF	ST-60 GF	ST-80 GF	ST-100 GF	ST-120 GF	ST-150 GF	ST-200 GF	ST-250 GF	ST-300 GF	ST-350 GF	ST-400 GF	ST-500 GF
Capacity (m/min)	27	23	34	45	55	65	87	110	130	160	210	260	320	360	410	510
Heating Power (KW)	18	15	24	32.4	42	48	64.8	81	95.4	119.7	162	205.2	240	285	318	398
Blower Power (KW)	4.2	3.3	5.5	7.2	8.8	10.8	13.8	1705	20.8	25.8	34.5	43.2	51.8	59.2	67.8	78.2
Dimension LxHxW (mm)	1870	1560	2090	2530	2750	2920	3040	3210	3380	3520	3680	3720	3820	3950	4520	5380
	1830	1630	1990	2180	2390	2510	2780	2920	3080	3180	3320	3400	3480	3560	3720	3980
	2880	2780	3070	2920	3110	3080	3120	3200	3280	3410	3560	3640	3720	3810	3890	3970
Inlet/Outlet Diameter	DN65	DN65	DN80	DN100	DN100	DN125	DN150	DN150	DN150	DN200	DN200	DN250	DN250	DN300	DN300	DN350
Weight (Kg)	1720	1380	2060	2750	3430	4120	4120	6300	7810	920	9200	1400	1490	1620	17900	19200

# AIR COOLED REFRIGERATION DRYER



## Features

- More stable overall performance

Using an external rotor fan with stronger wind power can improve the efficiency of condensation and pre-cooling, making the entire unit operate more reliably and steadily.

- Better gas environment

With a unique heat exchanger design, heat exchange efficiency is greatly improved, creating a more superior gas environment.

- High efficiency and long lifespan

The core component, the compressor, adopts a well-known brand, which results in excellent refrigeration and a longer lifespan.

- Reasonable design and small footprint

The novel design is aesthetically pleasing, with a compact structure and a small footprint. The layout is reasonable, making it easy to use and maintain.

## Operating Conditions

Inlet Temperature	Normal temperature: ≤45°C, High temperature: ≤80°C
Cooling Method	Air-cooled
Ambient Temperature	<38°C
Dew Point	2-10°C
Inlet Pressure	0.6-1.0Mpa
Pressure Loss	≤5% of working pressure

## Ambient Temperature Parameters

Model	Air Delivery (m³/min)	Working Pressure	Dew Point	Power	Compressor power (KW)	Fan Power	Connection	Dimension (mm)	Weight (Kg)
<b>Normal Temperature</b>									
ST-1T	1.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	0.5	80	ZG1*	665x425x560	37
ST-2T	2.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	0.7	95	ZG1*	750x420x730	45
ST-3T	3.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	0.9	120	ZG1.5*	800x440x800	60
ST-5T	5.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	1	240	ZG1.5*	923x500x910	76
ST-6T	6.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	1	240	ZG1.5*	923x500x910	80
ST-8T	8.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	1.6	300	ZG2*	995x585x1080	90
ST-11T	11.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	2	380	ZG2.5*	1125x625x1045	120
ST-13T	13.5	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	3	420	ZG2.5*	1125x625x1045	150
ST-15T	15.5	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	3.1	480	ZG2.5*	1120x700x1230	190
ST-20T	22	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	3.68	480	DN80	1500x750x1335	220
ST-25T	25	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	4.41	480	DN80	1700x750x1395	270
ST-30T	34	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	5.15	720	DN100	1770x850x1445	360
ST-40T	45	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	6.82	720	DN100	1950x900x1560	490
ST-50T	55	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	8.82	720	DN125	1950x1050x1600	560
ST-60T	65	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	11.03	760	DN125	2200x1325x1585	680
ST-80T	87	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	14.7	960	DN150	2500x1325x1695	760
ST-100T	110	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	18.4	1440	DN150	2700x1600x2100	970
<b>High temperature</b>									
ST-1G	1.6	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	0.7	95	ZG1*	750 x 420 x 730	450
ST-2G	2.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	0.9	120	ZG1.5*	800 x 440 x 800	60
ST-3G	3.8	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	1	240	ZG1.5*	923 x 500 x 910	76
ST-5G	5.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	1.2	240	ZG1.5*	923 x 500 x 910	80
ST-6G	6.8	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	1.6	300	ZG2*	995 x 585 x 1080	90
ST-8G	8.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	1.8	300	ZG2*	995 x 585 x 1080	95
ST-11G	11.5	0.2-1.0Mpa	2-10°C	1PH/220V/50Hz	2	380	ZG2.5*	1125 x 625 x 1045	120
ST-13G	13.5	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	3	420	ZG2.5*	1125 x 625 x 1045	150
ST-15G	15.5	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	3.1	4.8	DN65	1120 x 700 x 1230	190
ST-20G	22	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	4.5	600	DN80	1300 x 750 x 1230	260
ST-25G	25	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	4.5	600	DN80	1300 x 750 x 1230	280
ST-30G	35	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	6.9	750	DN100	1600 x 820 x 1520	390
ST-40G	45	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	9.2	1080	DN100	1800 x 820 x 1560	420
ST-50G	55	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	11	2020	DN125	1900 x 900 x 1570	560
ST-60G	65	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	14	2020	DN125	1900 x 900 x 1570	560
ST-80G	85	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	18	1560	DN150	2500 x 1000 x 1900	680
ST-100G	110	0.2-1.0Mpa	2-10°C	3PH/380V/50Hz	20	3330	DN150	2800 x 1000 x 2100	850



# NON THERMAL ADSORPTION DRYER

## Low pressure series Parameters



## Features

- Adopting a large-capacity design to ensure a stable outlet dew point, which can adapt to changes in the adsorbent's aging and operational load.
- The main key components are selected from well-known brands to ensure continuous and reliable operation.
- The device is assembled in the factory as a whole, making it easy to install.
- PIC micro-processing control technology is used to make the device advanced.
- Molecular sieve
- Dew point switching mode, high dew point alarm and interlocking
- Front and rear filters installed on the whole machine
- LCD display, with a computer upper-machine communication interface configured.

## Operating Conditions

Working Pressure	Rated inlet temperature	Dew point of the air outlet	Gas consumption rate	Pressure Drop	Switching Cycle	Adsorbent	Inlet oil content	Power supply
0.4-1.0 MPa	≤45°C	≤45°C-70°C	≤14.5%	≤0.021 MPa	5-10 minutes (adjustable)	Active alumina	≤0.1 PPM	1PH/220V/50Hz

## Parameters

Model	ST-1W	ST-2W	ST-3W	ST-6W	ST-8W	ST-10W	ST-13W	1ST-5W	ST-20W	ST-25W	ST-30W	ST-40W	ST-50W	ST-60W	ST-80W	ST-100W	ST-120W	ST-150W	ST-200W	ST-250W	ST-300W	ST-350W	ST-400W
Processing Capacity (m <sup>3</sup> /min)	1.5	2.5	3.8	6.8	8.5	11.5	13.5	17	23	27	34	45	55	65	87	110	130	160	210	260	310	360	410
Inlet/Outlet Diameter (mm)	ZG1"	ZG1"	ZG1"	ZG1.5"	ZG2"	ZG2"	ZG2"	DN65	DN65	DN80	DN80	DN100	DN100	DN100	DN125	DN150	DN150	DN200	DN200	DN250	DN250	DN300	DN300
L (mm)	750	750	1050	1050	1100	1100	1200	1200	1400	1400	1500	1700	1800	1900	2000	2200	2500	2600	2900	3000	3300	3700	4000
W (mm)	350	350	500	500	550	550	500	500	500	500	600	800	900	900	900	1000	1200	1500	1600	1800	2000	2100	2700
H (mm)	1450	1600	1500	1850	1850	2000	2100	2300	2100	2450	2350	2400	2600	2700	2700	2800	2800	2850	2900	3000	3000	3000	3100
Weight (Kg)	100	110	210	300	360	390	500	600	700	920	1050	1200	1500	1700	2200	2700	4100	4900	6400	7700	9020	1190	13100

# MICRO ADSORPTION DRYER REFRIGERATION DRYER



## Features

- Low gas consumption rate, saving energy by about 6%.
- Long cycle switching mode, ensuring excellent overall performance of the entire machine.
- Key components are sourced from well-known brands, ensuring continuous and reliable operation of the equipment.
- Electric heating elements designed with high power density, enhancing the performance of the electric heater.
- Temperature control protection is adopted for the electric heater, preventing burnout of the heating element.
- Double-layer bed of molecular sieve or active alumina + molecular sieve.
- Dew point switching mode with high dew point alarm and interlock.
- Dual temperature setting interlock.
- LCD display and computer upper machine communication interface.

## Operating Conditions

Working Pressure	Rated inlet temperature	Dew point of the air outlet	Gas consumption rate	Pressure Drop	Switching Cycle	Adsorbent	Inlet oil content	Power supply
0.4-1.0 MPa	≤45°C	≤45°C-70°C	≤8%	≤0.021 MPa	120-240 minutes (adjustable)	Active alumina	≤0.1 PPM	3PH/380V/50Hz

## Parameters

Model	ST-1Y	ST-2Y	ST-3Y	ST-6Y	ST-8Y	ST-10Y	ST-13Y	ST-15Y	ST-20Y	ST-25Y	ST-30Y	ST-40Y	ST-50Y	ST-60Y	ST-80Y	ST-100Y	ST-120Y	ST-150Y	ST-200Y	ST-250Y	ST-300Y	ST-350Y	ST-400Y
Processing Capacity (m <sup>3</sup> /min)	1.6	2.5	3.8	6.8	8.5	11.5	13.5	17	23	27	34	45	55	65	87	110	130	160	210	260	310	360	410
Inlet/Outlet Diameter (mm)	ZG1"	ZG1"	ZG1.5"	ZG1.5"	ZG2"	ZG2"	ZG2"	DN65	DN80	DN80	DN80	DN100	DN100	DN125	DN125	DN150	DN150	DN200	DN200	DN250	DN250	DN300	DN300
Heating power (kw)	0.5	1	1.2	2.1	3	4	4	5	6	8	10	12	15	18	27	36	42	54	72	90	112.5	124.8	145.8
L (mm)	690	750	860	1010	1010	1240	1240	1280	1320	1700	1750	1850	1850	2160	2416	2980	3080	3180	3380	3580	3580	3720	3910
W (mm)	450	500	540	700	700	800	800	860	860	930	960	1060	1060	1240	1440	2120	2220	2320	2520	2720	2970	3220	3370
H (mm)	1290	1324	1350	1558	1785	2232	2232	2360	2477	2570	2626	2646	2646	2784	2872	2990	3030	3316	3360	3596	3600	3720	3910
Weight (Kg)	120	130	230	330	390	420	550	650	750	970	1150	1300	1600	1800	2350	2850	4300	5200	6700	8000	9270	12200	13400

## COMBINED LOW DEW POINT DRYING MACHINE

Combined low dew point drying machine is a new type of compressed air drying device. It is composed of a refrigerated dryer, high-efficiency oil removal filter, regenerative adsorption dryer, and is integrated organically. It features a low dew point, low energy consumption, compact structure, and stable operation. Its outlet pressure dew point temperature can reach as low as  $-70^{\circ}\text{C}$ .



The hot and humid air from the compressor first undergoes heat exchange with the cold air coming out of the evaporator in the pre-cooler, which cools the air and preliminarily removes moisture. Then, the air enters the evaporator and exchanges heat with the refrigerant, further lowering the temperature of the air to  $2\text{-}10^{\circ}\text{C}$ . At this temperature, most of the moisture in the air condenses into liquid and is discharged through the drain, producing relatively dry air. The dry air coming out of the evaporator goes to the pre-cooler for heat exchange with the hot and humid air coming from the compressor, and recovers the cooling capacity. At the same time, the temperature of the dry air also increases. The compressed air coming out of the refrigeration unit enters the high-efficiency oil removal device to remove oil and impurities, and then enters the adsorption unit for further deep drying, obtaining compressed air with a lower dew point temperature. The compressed air then enters the precision filter to remove any fixed particles before proceeding to the next process.

### Features

- The chiller dryer and adsorption dryer filters are integrated into one unit, with a compact structure and easy installation and use.
- It has a good drying effect with a low dew point and low regeneration gas consumption.
- The service life of the drying agent can be extended by more than three times, saving maintenance costs.
- Advanced single-chip microcomputer control technology is adopted to achieve automation of operation and control.

# COMBINED LOW DEW POINT DRYING MACHINE

## Parameters

Model	Capacity (m <sup>3</sup> /min)	Power	Compressor power (HP)	Heating Power (KW)	Air Volume (Nm <sup>3</sup> /h)	Inlet/Outlet Diameter	Cooling Water Diameter	Dryer Weight (Kg)	L (mm)	W (mm)	H (mm)	Total Weight (Kg)
W series wind cooler non thermal												
ST-1WZN	1.6	1φ50Hz/220V	1.36	-	965	ZG1"	-	25	1170	880	1408	305
ST-3WZN	3.8	1φ50Hz/220V	2.72	-	3110	ZG1.5"	-	56	1250	885	1415	510
ST-6WZN	6.8	1φ50Hz/220V	3.4	-	6220	ZG1.5"	-	126	1470	1010	1789	775
ST-8WZN	8.5	1φ50Hz/220V	4.08	-	8470	ZG2"	-	155	1500	1060	2031	920
ST-10WZN	11.5	1φ50Hz/220V	4.08	-	8470	ZG2"	-	220	1760	1120	1864	1060
ST-13WZN	13.5	1φ50Hz/220V	4.74	-	8470	ZG2"	-	238	1760	1180	1920	1190
ST-15WZN	17	3φ50Hz/380V	5.71	-	8470	DN65	-	275	1760	1360	2204	1325
ST-20WZN	23	3φ50Hz/380V	7.2	-	8470	DN65	-	395	1960	1440	2470	1740
ST-25WZN	27	3φ50Hz/380V	9.08	-	10560	DN80	-	490	2030	1480	2473	2060
ST-30WZN	34	3φ50Hz/380V	11.26	-	10560	DN80	-	600	2220	1640	2542	2375
ST-40WZN	45	3φ50Hz/380V	13.6	-	15840	DN100	-	845	2340	1710	2872	2960
ST-50WZN	55	3φ50Hz/380V	18.06	-	15840	DN100	-	1008	2340	1800	2961	3320
ST-60WZN	67	3φ50Hz/380V	13.3	-	18000	DN125	-	1170	2520	2000	2991	3445
Y series wind cooler micro heat												
ST-1YZM	1.6	1φ50Hz/220V	1/3	0.5	965	ZG1"	-	25	1170	880	1408	305
ST-3YZM	3.8	1φ50Hz/220V	1	3	3110	ZG1.5"	-	56	1250	885	1415	510
ST-6YZM	6.8	1φ50Hz/220V	2	4	6220	ZG1.5"	-	126	1470	1010	1789	775
ST-BYZM	8.5	1φ50Hz/220V	2.5	4.5	8470	ZG2"	-	155	1500	1060	2031	920
ST-10YZM	11.5	1φ50Hz/220V	3	6	8470	ZG2"	-	220	1760	1120	1864	1060
ST-13YZM	13.5	1φ50Hz/220V	3	6	8740	ZG2"	-	238	1760	1180	1920	1190
ST-15YZM	17	3450Hz/380V	3.5	6.5	8470	DN65	-	275	1760	1360	2204	1325
ST-20YZM	23	3450Hz/380V	4.2	9	8470	DN80	-	395	1960	1440	2470	1740
ST-25YZM	27	3450Hz/380V	5.3	9	10560	DN80	-	490	2030	1480	2473	2060
ST-30YZM	34	3450Hz/380V	6.7	12	10560	DN80	-	600	2220	1640	2542	2375
ST-40YZM	45	3450Hz/380V	8.3	18	15840	DN100	-	845	2340	1710	2872	2960
ST-50YZM	55	3450Hz/380V	10	21	15840	DN100	-	1008	2340	1800	2961	3320
ST-60YZM	67	3450Hz/380V	13.3	25	18000	DN125	-	1170	2520	2000	2991	3445
W series water cooler non thermal												
ST-6WZN	6.8	1φ50Hz/220V	2	-	6220	ZG1.5"	ZG1/2"	126	1470	1010	1789	775
ST-10WZN	11.5	1φ50Hz/220V	3	-	8470	ZG2"	ZG3/4"	220	1760	1120	1864	1060
ST-13WZN	13.5	1φ50Hz/220V	3	-	8740	ZG2"	ZG3/4"	238	1760	1180	1920	1190
ST-15WZN	17	3φ50Hz/380V	3.5	-	8470	DN65	ZG1"	275	1760	1360	2204	1325
ST-20WZN	23	3φ50Hz/380V	4.2	-	8470	DN65	ZG1"	395	1960	1440	2470	1740
ST-25WZN	27	3φ50Hz/380V	5.3	-	10560	DN80	ZG1"	490	2030	1480	2473	2060
ST-30WZN	34	3φ50Hz/380V	6.7	-	10560	DN80	ZG1"	600	2220	1640	2542	2375
ST-40WZN	45	3φ50Hz/380V	8.3	-	15840	DN100	ZG1"	845	2340	1710	2872	2960
ST-50WZN	55	3φ50Hz/380V	10	-	15840	DN100	ZG1"	1008	2340	1800	2961	3320
ST-60WZN	67	3φ50Hz/380V	13.3	-	18000	DN125	ZG1"	1170	2520	2000	2991	3445
ST-80WZN	67	3φ50Hz/380V	13.3	-	18000	DN125	ZG1"	1170	2520	2000	2991	3445
ST-100WZN	67	3φ50Hz/380V	13.3	-	18000	DN125	ZG1"	1170	2520	2000	2991	3445
ST-150WZN	67	3φ50Hz/380V	13.3	-	18000	DN125	ZG1"	1170	2520	2000	2991	3445
ST-200WZN	67	3φ50Hz/380V	13.3	-	18000	DN125	ZG1"	1170	2520	2000	2991	3445
Y series water cooler micro heat												
ST-6YZM	6.8	1φ50Hz/220V	2	4	6220	ZG1.5"	ZG1/2"	126	1470	1010	1789	775
ST-10YZM	11.5	1φ50Hz/220V	3	6	8470	ZG2"	ZG3/4"	220	1760	1120	1864	1060
ST-13YZM	13.5	1φ50Hz/220V	3	6.5	8740	ZG2"	ZG3/4"	238	1760	1180	1920	1190
ST-15YZM	17	3φ50Hz/380V	3.5	7	8470	DN65	ZG1"	275	1760	1360	2204	1325
ST-20YZM	23	3φ50Hz/380V	4.2	9	8470	DN65	ZG1"	395	1960	1440	2470	1740
ST-25YZM	27	3φ50Hz/380V	5.3	9	10560	DN80	ZG1"	490	2030	1480	2473	2060
ST-30YZM	34	3φ50Hz/380V	6.7	12	10560	DN80	ZG1"	600	2220	1640	2542	2375
ST-40YZM	45	3φ50Hz/380V	8.3	18	15840	DN100	ZG1"	845	2340	1710	2872	2960
ST-50YZM	55	3φ50Hz/380V	10	21	15840	DN100	ZG1"	1008	2340	1800	2961	3320
ST-60YZM	67	3φ50Hz/380V	13.3	25	18000	DN125	ZG1"	1170	2520	2000	2991	3445
ST-80YZM	85	3φ50Hz/380V	13.3	25	18000	DN125	ZG1"	1170	2520	2000	2991	3445
ST-100YZM	110	3φ50Hz/380V	13.3	25	18000	DN125	ZG1"	1170	2520	2000	2991	3445
ST-150YZM	160	3φ50Hz/380V	13.3	25	18000	DN125	ZG1"	1170	2520	2000	2991	3445
ST-200YZM	210	3φ50Hz/380V	13.3	25	18000	DN125	ZG1"	1170	2520	2000	2991	3445

# PRECISION FILTER



## Features

### C-grade precision filter

- Removes particles above 2 microns
- Water removal efficiency above 95%
- Residual oil content:  $\leq 0.1$ PPM w/w
- Effectively blocks pollutants
- Used as an A-grade ultra-precision filter and pre-filter for refrigerated dryers
- Initial pressure drop: 0.01Mpa
- Filter replacement pressure drop: 0.07MPa

### T-grade precision filter

- Removes particles above 1 micron
- Residual oil content:  $\leq 0.1$ PPM w/w
- Used as a B-grade filter and pre-filter
- Initial pressure drop: 0.01Mpa
- Filter replacement pressure drop: 0.07MPa

### A-grade precision filter

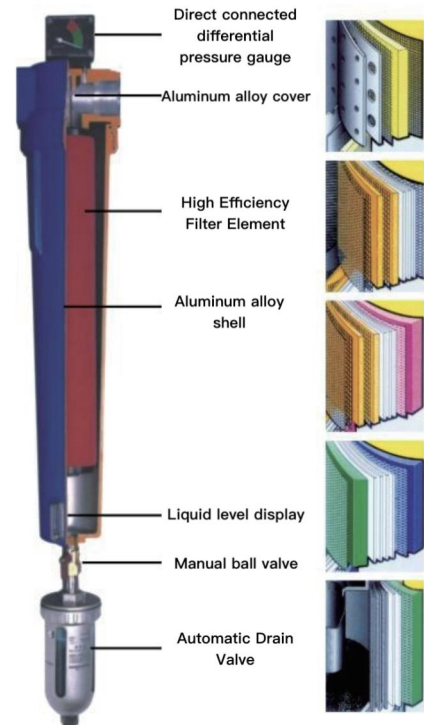
- Removes particles above 0.01 micron, residual oil content:  $\leq 0.1$ PPM w/w
- Used as a B-grade ultra-precision filter (C-grade) and pre-filter for adsorption dryers
- Initial pressure drop: 0.012Mpa
- Filter replacement pressure drop: 0.07MPa

### H-grade precision filter

- Removes oil vapor and hydrocarbon odors
- Residual oil content:  $\leq 0.003$ PPM w/w
- Initial pressure drop: 0.012Mpa
- Filter replacement: replacement work after 1000 hours

### F-grade precision filter

- Stainless steel tank
- Effectively blocks bacteria and phages in compressed air
- Kills bacteria by steam (120°C) at regular intervals
- Filter element can be regenerated and reused up to 50 times.



## Parameters

Model	Flow Rate (Nm/min)	Pipe diameter	Length and Width LxW(mm)	Filter Element	Weight (Kg)	Overall dimensions
ST-001E	1.5	ZG1"	300*105	1	1.5	
ST-002E	2.6	ZG1"	300*105	1	1.7	
ST-003E	3.8	ZG1.5"	370*125	1	2.5	
ST-006E	6.8	ZG1.5"	500*125	1	3.0	
ST-008E	8.5	ZG2"	600*140	1	4.5	
ST-010E	11.5	ZG2"	600*140	1	5.0	
ST-013E	13.5	ZG2"	800*135	1	7.5	
ST-015E	17	DN65	1000*380	1	65	
ST-020E	23	DN80	1100*380	1	70	
ST-025E	27	DN80	1100*420	1	85	
ST-030E	34	DN100	1100*440	2	90	
ST-040E	45	DN100	1185*440	2	100	
ST-050E	55	DN100	1185*517	3	105	
ST-060E	65	DN125	1335*517	3	120	
ST-080E	87	DN150	1335*580	4	160	
ST-100E	110	DN150	1410*600	5	200	
ST-150E	165	DN200	1540*600	8	250	
ST-200E	210	DN200	1568*750	10	300	
ST-250E	260	DN250	1700*850	12	320	
ST-300E	320	DN250	1700*850	14	350	
ST-350E	360	DN300	1750*950	16	420	
ST-400E	410	DN300	1750*950	19	435	

## AIR COMPRESSOR ACCESSORIES

We provide you with air compressor filters and various branded valves and maintenance kits for oil products. We also offer accessories for major air compressor brands, valves, maintenance kits, overhaul kits, sensors, controllers, coolers, solenoid valves, cooling fans, main engine heads, air storage tanks, and more.

### Filter



### Oil



### Controller



# AIR COMPRESSOR ACCESSORIES

## Value



## Sensor



## Air end



## Air tank



Pressure	ST-C-0.3	ST-C-0.5	ST-C-0.6	ST-C-1.0	ST-C-1.5	ST-C-2.0	ST-C-3.0	ST-C-4.0	ST-C-5.0	ST-C-6.0
0.8MPa	0.3m³/0.8MPa φ500*4*1250	0.5m³/0.8MPa φ600*4*1250	0.6m³/0.8MPa φ700*4*1250	1.0m³/0.8MPa φ800*4*1500	1.5m³/0.8MPa φ1000*5*1500	2.0m³/0.8MPa φ1000*5*2000	3.0m³/0.8MPa φ1200*5*2000	4.0m³/0.8MPa φ1400*6*2000	5.0m³/0.8MPa φ1500*6*2250	6.0m³/0.8MPa φ1500*6*2750
1.0MPa	0.3m³/1.0MPa φ500*4*1250	0.5m³/1.0MPa φ600*4*1250	0.6m³/1.0MPa φ700*4*1250	1.0m³/1.0MPa φ800*4*1500	1.5m³/1.0MPa φ1000*5*1500	2.0m³/1.0MPa φ1000*5*2000	3.0m³/1.0MPa φ1200*5*2000	4.0m³/1.0MPa φ1400*6*2000	5.0m³/1.0MPa φ1500*6*2250	6.0m³/1.0MPa φ1500*6*2750
1.3MPa	0.3m³/1.3MPa φ500*4*1250	0.5m³/1.3MPa φ600*4*1250	0.6m³/1.3MPa φ700*4*1250	1.0m³/1.3MPa φ800*4*1500	1.5m³/1.3MPa φ1000*5*1500	2.0m³/1.3MPa φ1000*5*2000	3.0m³/1.3MPa φ1200*5*2000	4.0m³/1.3MPa φ1400*6*2000	5.0m³/1.3MPa φ1500*6*2250	6.0m³/1.3MPa φ1500*6*2750



The logo for SPARTA features the word in a bold, sans-serif font. The 'S', 'P', 'R', 'T', and 'A' are in a dark blue color, while the 'A' is a vibrant purple. A stylized purple wrench is integrated into the right side of the 'A', with its handle extending downwards and its head pointing to the right.

# SPARTA

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