



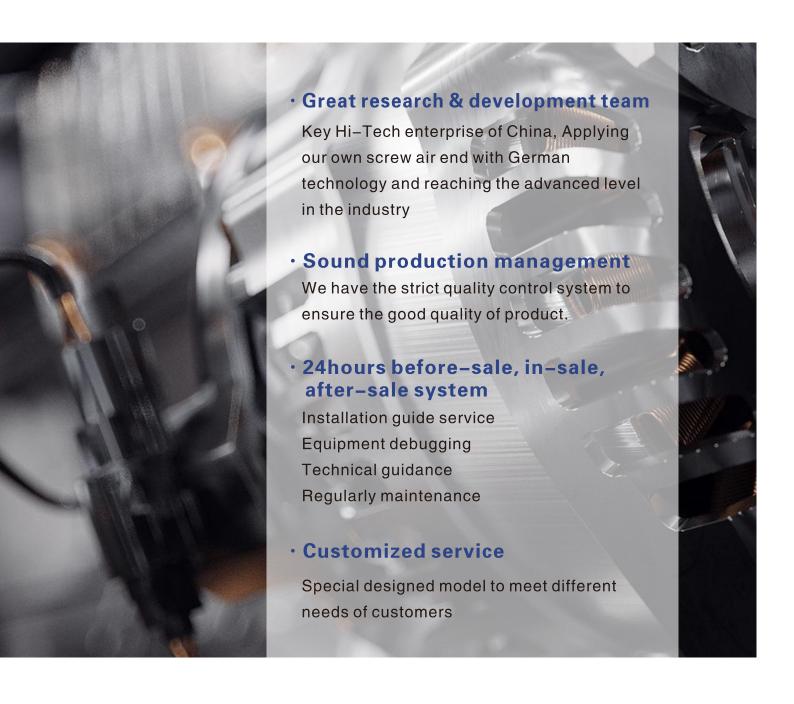


JIANGXI VOCO INDUSTRIAL AND TRADE CO., LTD



Jiangxi Voco Industrial and trade Co., Ltd is a one—stop solution provider for compressed air systems based on customer's requirements. Our main products including screw air compressor, oil free compressor, turbo compressor ,vacuum pump, air blower, refrigerant air dryer, desiccant air dryer, air receiver tanks and air compressor spare parts. GiantAir is our main brand for the air compressor. Our GiantAir compressors is engineered for higher efficiency, lower sound levels, superior durability, unsurpassed reliability and advancing energy efficiency to create sustainable infrastructure.

Why Voco







Main electrical components use the world famous brand Schneider, Siemens etc. Reasonable, simple and clear wiring with clear diagram, easy for maintenance, strong function to diagnose fault and protect automatically.

/2 Motor

Using well-know brand high performance motor, protection class IP54/IP55 and insulation class F, SKF loading bearing, higher efficiency than similar products by 3%~5%.

/3 Intake Valve

Automatically adjust based on gas consumption, low maintenance, good stability, large inlet air.

/4 Cooling system

Design of large heat exchange area can effectively avoid high temperature and adapt to bad working condition to ensure longer life

/5 Control Panel (English, Russian, Spanish Available)

GiantAir Control panel provide the most cost effective maintenance program to ensure trouble–free operation. Full protect functions for motor and compressors. Remote control with RS485, 4G or Wifi available.

6 SPIN-ON filters

Routine service parts that are easy to remove and replace offering long service intervals for lower maintenance costs. Air filters Protecting the compressor the oversized filter mass with double filtering media allows operation even in arduous environments.













Belt Drive 5.5-100HP: Simple, durable and economical



GiantAir 15HP

GiantAir Screw Air Compressor V-Belt Drive use German Technology which provide high quality air, low noise and high efficiency. It's more elegant, easy to install, simple operation and maintenance.

Belt Drive

- · Efficient transmission of Power
- · Easy Maintenance for changing the belt
- · Double Protection for the motor

Big Air End

- · Slow speed and therefore longer lifetime
- · Lower temperature and therefore longer maintenance intervals

Long maintenance intervals

• Due to longer maintenance intervals for the exchange of oil filter, air filter and oil separation element, maintenance cost are reduced

Low noise lever, super noise isolation

• You can install this compressor almost anywhere due to the low noise level

TECHNICAL PARAMETERS FOR BELT DRIVE SCREW AIR COMPRESSOR

MODEL	MAXIMUM WORKING PRESSURE			E AIR DELIVI OF UNIT AT KING PRES		MOTO		NOISE LEVEL	AIR OUTLET DISCHARGE SIZE	WEIGHT	DIMENSIONS
model.	Bar	PSI	I/s	m³/min	CFM	Kw	HP	dBA		Kg	LXWXH (mm)
GTB-5.5	8 10	116 145	10 7	0.60 0.42	21 15	4	5.5	63 ± 2	G3/4	190	820 x 730 x 880
GTB-7.5	8 10	116 145	14 11	0.85 0.64	30 23	5.5	7.5	68 ± 2	G3/4	230	950 x 650 x 950
GTB-10	8 10 13	116 145 189	17 15 12	1.00 0.90 0.70	36 32 25	7.5	10	72 ± 3	G3/4	295	950 x 650 x 950
GTB-15	8 10 13	116 145 189	28 25 18	1.70 1.50 1.10	61 54 39	11	15	72 ± 3	G3/4	410	1000 x 830 x 1200
GTB-20	8 10 13	116 145 189	37 30 23	2.20 1.80 1.40	79 64 50	15	20	72 ± 3	G3/4	420	1000 x 830 x 1200
GTB-25	8 10 13	116 145 189	45 38 28	2.70 2.30 1.70	96 82 61	18.5	25	75 ± 3	G1	560	1150 x 950 x 1380
GTB-30	8 10 13	116 145 189	53 48 33	3.20 2.90 2.00	114 104 71	22	30	75 ± 3	G1	580	1150 x 950 x 1380
GTB-40	8 10 13	116 145 189	78 72 58	4.70 4.30 3.50	168 154 125	30	40	75 ± 3	G1	770	1280 x 1080 x 1480
GTB-50	8 10 13	116 145 189	93 80 63	5.60 4.80 3.80	200 171 136	37	50	75 ± 3	G1 1/2	780	1280 x 1080 x 1480
GTB-60	8 10 13	116 145 189	108 87 75	6.50 5.20 4.50	232 186 161	45	60	78 ± 3	G1 1/2	790	1280 x 1080 x 1480
GTB-75	8 10 13	116 145 189	155 123 100	9.30 7.40 6.00	332 264 214	55	75	78 ± 3	G2	1440	1700 x 1400 x 1660
GTB-100	8 10 13	116 145 189	200 178 148	12.00 10.70 8.90	429 382 318	45	60	78 ± 3	G2	1550	1700 x 1400 x 1660

Direct Drive 5.5-350HP: Efficient, long service time, cost-effective

GiantAir screw air compressor provides high–quality air you can rely one avoid costly downtime and production delays. The robust design ensures your processes will function continuously even in the harshest conditions such as temperature to 55° C. Furthermore, GiantAir Air compressor are easy to install and use, they require minimal on–site installation work and simple to operate and maintain.

High energy transmission between motor and air end

· An energy efficient compressor lowers your electricity bill

Small footprint

- · Space-saving technology that also allows installation in confined spaces
- · Good accessibility for all service and maintenance work

Lower maintenance costs

- · No need to exchange the belt and therefore lower maintenance costs
- Longer life time of the air end due to lower radial forces on the bearings

High reliability

- · No risk due to failure of belts
- Controller easy to handle, showing all necessary and important parameters on aclear display

Good accessibility of compressor

· Clear and structured design of compressor guarantees easy access from all directions

Considerable reduction of noise emissions due to due to direct drive

• Considerable lower investment costs due to no need of additional protection against noise

Motors operate with low speed and big sized air ends resulting in long maintenance intervals and reduction of maintenance cost





TECHNICAL PARAMETERS FOR DIRECT DRIVE SCREW AIR COMPRESSOR

MODEL	MAXIMUM WORKING PRESSURE			E AIR DELIV OF UNIT AT KING PRES		MO.	TOR	NOISE LEVEL	AIR OUTLET DISCHARGE SIZE	WEIGHT	DIMENSIONS
MODEL	Bar	PSI	I/s	m³/min	CFM	Kw	HP	dBA		Kg	LXWXH (mm)
GTA-5.5	8 10	116 145	10 7	0.60 0.42	21 15	4	5.5	63 ± 2	G3/4	190	820 x 730 x 880
GTA-7.5	8 10	116 145	14 11	0.85 0.64	30 23	5.5	7.5	68 ± 2	G3/4	230	900 x 650 x 870
GTA-10	8 10	116 145	18 15	1.10 0.90	39 32	7.5	10	68 ± 3	G3/4	205	900 x 650 x 870
GTA-15	8 10	116 145	30 25	1.80 1.50	64 54	11	15	70 ± 3	G1	290	1120 x 750 x 980
GTA-20	8 10	116 145	38 30	2.30 1.80	82 64	15	20	70 ± 3	G1	300	1120 x 750 x 980
GTA-25	8 10	116 145	48 38	2.90 2.30	104 82	18.5	25	72 ± 3	G1	420	1300 x 920 x 1170
GTA-30	8 10	116 145	55 48	3.30 2.90	118 104	22	30	72 ± 3	G1	440	1300 x 920 x 1170
GTA-40	8 10	116 145	78 72	4.70 4.30	168 154	30	40	72 ± 3	G1 1/2	600	1460 x 1050 x 1250
GTA-50	8 10	116 145	103 87	6.20 5.20	221 186	37	50	72 ± 3	G1 1/2	635	1460 x 1050 x 1250
GTA-60	8 10	116 145	117 103	7.00 6.20	250 221	45	60	72 ± 3	G1 1/2	680	1460 x 1050 x 1250
GTA-75	8 10	116 145	162 123	9.70 7.40	346 264	55	75	75 ± 3	G2	1095	1800 x 1250 x 1480
GTA-100	8 10	116 145	210 183	12.60 11.00	450 393	75	100	75 ± 3	G2	1275	2000 x 1300 x 1630
GTA-125	8 10	116 145	258 208	15.50 12.50	554 446	90	125	75 ± 3	G2	2480	2000 x 1540 x 1800
GTA-150	8 10	116 145	325 267	19.50 16.00	696 571	110	150	83 ± 3	DN65	2570	3000 x 1550 x 1800
GTA-175	8 10	116 145	372 325	22.30 19.50	796 696	132	175	83 ± 3	DN65	2770	3000 x 1550 x 1800
GTA-250	8 10	116 145	458 405	27.50 24.30	982 868	160	250	85 ± 3	DN80	2900	3500 x 1900 x 2000
GTA-350	8 10	116 145	700 625	42.00 37.50	1500 1339	250	350	87 ± 3	DN100	5600	3600 x 2000 x 2050

PMVSD Screw Air Compressor 5.5-350HP: Energy saving, lower Noise, constant pressure control

Use GiantAir Variable Speed Drive screw air compressor, you don't need to worry about the complex of electrical installation and programming for the machine. All parts of compressor are assembled before shipment, as long as the main power supply is connected, it can work immediately.

Through the powerful intelligent controller test the pressure of the air system changes continuously, accurate to change the speed, air flow of the air compressor always consistent to the demand of the user's system. Intelligent controller of reaction rate is calculate by milliseconds, and at the same time for speed correction can be made with the 3ms, make its outlet air pressure control with the minimum range.

INTEL DRIVE FEATURES

High-efficiency induction motor, integrated variable speed driven (VSD) with speed control, Leading control and protection, soft starting eliminates drive stress

ECONOMY OF USE

Saves your money by lowering your operation cost. These saving will continue to be delivered to your bottom line year after year.

BEST EFFICIENCY AT PART-LOAD

When operating at part-load, the performance is top in class. The variable speed Intelli Driven avoids load cycling and maintains a steady state of operation, reducing operating and maintenance costs.

SOFT START LOWERS YOUR OPERATING COST

The gentle start cycle of the IntelliDrive increases the service life, meaning that frequent stop and restart cycles are permitted, without the risk of over-heating.

Multiple Machine Operation

When operating as a pressure trim machine, the power savings achieved by a single compressor is multiplied by additional savings achieved over the full installation.





Why energy efficiency?

Energy costs represent about 70% of the total operating cost of your compressor over a 5–year period. Therefore reducing the energy consumption of your compressed air installation should be a major focus to ensure the lowest cost of ownership.

Why variable speed compressors?

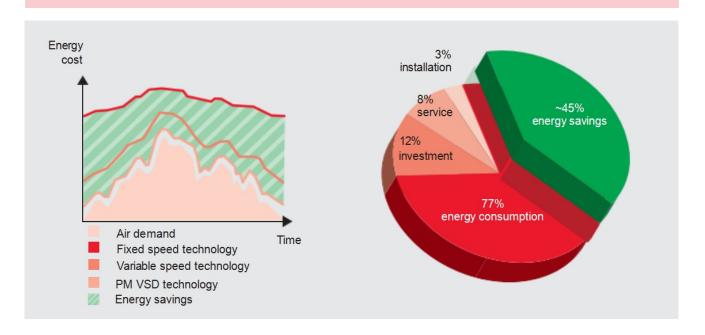
As a majority of customers have a variable demand for compressed air, variable speed compressors are proven to be superior to fixed speed compressors when it comes to reducing the energy costs. By matching the air supply to the air demand, unload losses are avoided, and energy costs reduced on average by 30%.

Why invest in PM?

In the PM range we have combined our variable speed technology with our new and highly efficient drive train with PM motor technology and evolved the energy efficiency of variable speed compressors to a new level, resulting in energy savings of up to 45%.

PERMANENT MAGNET MOTOR (PM)

PM Motor, which is a standard equipment, provide much higher efficiency than that of regular and/or high efficient induction motors and meets IE3 Standard. Meanwhile, by using high efficient frequency converter, it achieves better energy saving effect than the old ones. Since the bearing temperature of PM motor is relatively low, its lubricating grease server a longer time while the workload of motor maintenance also reduced.



TECHNICAL PARAMETERS FOR PMVSD SCREW AIR COMPRESSOR

MODEL	MAXIMUM WORKING PRESSURE			E AIR DELIV OF UNIT AT KING PRES		MO	ror	NOISE LEVEL	AIR OUTLET DISCHARGE SIZE	WEIGHT	DIMENSIONS	
	Bar	PSI	I/s	m³/min	CFM	Kw	HP	dBA		Kg	LXWXH (mm)	
GTA-5.5PM	8 10	116 145	10 7	0.60 0.42	21 15	4	5.5	63 ± 2	G3/4	190	820 x 730 x 880	
GTA-7.5PM	8 10 13	116 145 189	14 11 8	0.85 0.64 0.45	30 23 16	5.5	7.5	68 ± 2	G3/4	280	1000 x 735 x 970	
GTA-10PM	8 10 13	116 145 189	18 15 12	1.10 0.90 0.70	39 32 25	7.5	10	68 ± 3	G3/4	300	1000 x 735 x 970	
GTA-15PM	8 10 13	116 145 189	30 25 18	1.80 1.50 1.10	64 54 39	11	15	70 ± 3	G1	330	1160 x 786 x 1000	
GTA-20PM	8 10 13	116 145 189	38 30 23	2.30 1.80 1.40	82 64 50	15	20	70 ± 3	G1	330	1160 x 786 x 1000	
GTA-25PM	8 10 13	116 145 189	48 38 30	2.90 2.30 1.80	104 82 64	18.5	25	72 ± 3	G1	600	1300 x 900 x 1160	
GTA-30PM	8 10 13	116 145 189	55 48 35	3.30 2.90 2.10	118 104 75	22	30	72 ± 3	G1	630	1300 x 900 x 1160	
GTA-40PM	8 10 13	116 145 189	78 72 58	4.70 4.30 3.50	168 154 125	30	40	72 ± 3	G1 1/2	800	1580 x 1080 x 1330	
GTA-50PM	8 10 13	116 145 189	103 87 73	6.20 5.20 4.40	221 186 157	37	50	72 ± 3	G1 1/2	870	1580 x 1080 x 1330	
GTA-60PM	8 10 13	116 145 189	108 87 75	6.50 5.20 4.50	232 186 161	45	60	72 ± 3	G1 1/2	950	1580 x 1080 x 1330	
GTA-75PM	8 10 13	116 145 189	162 123 107	9.70 7.40 6.40	346 264 229	55	75	75 ± 3	G2	1550	1800 x 1400 x 1660	
GTA-100PM	8	116 145 189	210 183 157	12.60 11.00 9.40	450 393 336	75	100	75 ± 3	G2	1668	1800 x 1400 x 1660	
GTA-125PM	8 10 13	116 145 189	258 208 183	15.50 12.50 11.00	554 446 393	90	125	75 ± 3	G2	2480	2000 x 1540 x 1800	
GTA-150PM	8 10 13	116 145 189	325 267 233	19.50 16.00 14.00	696 571 500	110	150	83 ± 3	DN65	2570	3000 x 1550 x 1800	
GTA-175PM	8 10 13	116 145 189	372 325 267	22.30 19.50 16.00	796 696 571	132	175	83 ± 3	DN65	2770	3000 x 1550 x 1800	
GTA-250PM	8 10 13	116 145 189	458 405 367	27.50 24.30 22.00	982 868 786	160	250	85 ± 3	DN80	3120	3500 x 1900 x 2000	
GTA-350PM	8 10 13	116 145 189	700 625 550	42.00 37.50 33.00	1500 1339 1179	250	350	87 ± 3	DN100	5600	3600 x 2000 x 2050	



ALL IN ONE COMPRESSOR WITH DRYER AND TANK

- · Easy for installation and operation, saving space
- · Multipurpose application
- Widely using for lase cutting, CNC, general manufacturing, cabinet and trim shops, auto body and tire shops, and commercial laundries.
- · Stable Pressure
- Compressed air with stable pressure helps laser cutting without burrs.

TECHNICAL PARAMETERS FOR ALL-IN-ONE SCREW AIR COMPRESSOR

MODEL	MAXIMUM WORKING PRESSURE		RKING OF UNIT AT			MOTOR		NOISE TANK LEVEL		AIR OUTLET DISCHARGE SIZE	WEIGHT	DIMENSIONS
MODIL	Bar	PSI	I/s	m³/min	CFM	Kw	HP	ι	dBA		Kg	LXWXH (mm)
GATD-7.5	8	116	12	0.70	25	5.5	7.5	180	62 ± 2	G3/4	310	1550x700x1480
GATD-10	8	116	18	1.10	39	7.5	10	180	64 ± 2	G3/4	320	1550x700x1480
GATD-15	8	116	25	1.50	54	11	15	350	66 ± 2	G3/4	415	1600x780x1600
GATD-20	8	116	38	2.30	82	15	20	350	66 ± 2	G3/4	415	1600x780x1600
GATD-30	8	116	55	3.30	118	22	30	500	66 ± 2	G1	450	1600x780x1700



- · Ultra-low temperature rise design
- · Closed-loop vector control system
- · Stable and accurately controlled within 0.1 bar.
- · Energy Saving 20-30%.

First stage compression unit and the second stage compression unit are integrated in one air end driven directly by the helical gear, the optimal linear speed for each stage.

After the first stage compression, constant pressure compression by intensify spread oil cooling, reduce the second stage compression suction temperature, ensure that the second stage compression unit is close to isothermal compression.

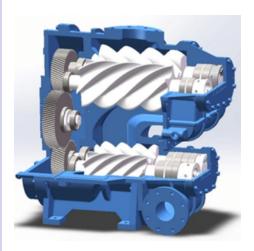
Compression ratio reasonable distribution, optimized bearing design, second stage compression reduces the compression ratio of each stage, reduces internal leakage, improves the volume efficiency, reduces the bearing load, and improves the life of the air end.

In the same power, double stage compression energy saving is 15% more than the single stage compression.

TWO-STAGE PM VSD

COMPRESSION- HELP TO SAVE MORE





TECHNICAL PARAMETERS FOR TWO STAGE SCREW AIR COMPRESSOR

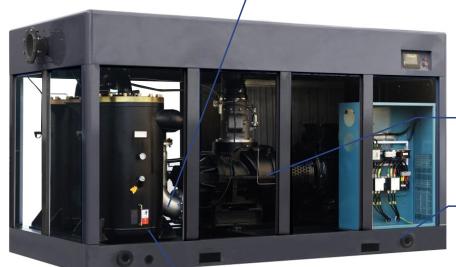
MODEL	MAXIMUM WORKING PRESSURE			E AIR DELIV OF UNIT AT KING PRES		MO.	ror	NOISE LEVEL	AIR OUTLET DISCHARGE SIZE	WEIGHT	DIMENSIONS
	Bar	PSI	I/s	m³/min	CFM	Kw	HP	dBA		Kg	LXWXH (mm)
GTS-30PM	8 10 13	116 145 189	68 62 50	4.10 3.70 3.00	146 132 107	22	30	66 ± 2	G1 1/2	750	1580 x 950 x 1430
GTS-40PM	8 10 13	116 145 189	100 90 75	6.00 5.40 4.50	214 193 161	30	40	66 ± 2	G1 1/2	750	1580 x 950 x 1430
GTS-50PM	8 10 13	116 145 189	120 108 87	7.20 6.50 5.20	257 232 186	37	50	68 ± 2	G1 1/2	800	1580 x 1080 x 1330
GTS-60PM	8 10 13	116 145 189	160 143 117	9.60 8.60 7.00	343 307 250	45	60	70 ± 2	G2	1500	2000 x 1250 x 1680
GTS-75PM	8 10 13	116 145 189	205 185 148	12.30 11.10 8.90	439 396 318	55	75	70±2	G2	1500	2000 x 1250 x 1680
GTS-100PM	8 10 13	116 145 189	275 250 200	16.50 15.00 12.00	589 536 429	75	100	70 ± 2	G2	1600	2000 x 1250 x 1880
GTS-125PM	8 10 13	116 145 189	320 308 292	19.20 18.50 17.50	686 661 625	90	125	72±2	G2	2450	2400 x 1450 x 2030
GTS-150PM	8 10 13	116 145 189	387 350 280	23.20 21.00 16.80	829 750 600	110	150	72±2	G2 1/2	2500	2400 x 1450 x 2030
GTS-175PM	8 10 13	116 145 189	462 417 333	27.70 25.00 20.00	989 893 714	132	175	75±2	G3	3000	3000 x 1580 x 2150
GTS-200PM	8 10 13	116 145 189	560 508 458	33.60 30.50 27.50	1200 1089 982	160	200	75±2	G3	3200	3000 x 1580 x 2150
GTS-250PM	8 10 13	116 145 189	643 583 467	38.60 35.00 28.00	1379 1250 1000	185	250	78±2	DN100	4200	4000 x 2100 x 2400
GTS-270PM	8 10 13	116 145 189	720 650 525	43.20 39.00 31.50	1543 1393 1125	200	270	78±2	DN100	4300	4000 x 2100 x 2400
GTS-300PM	8 10 13	116 145 189	783 708 567	47.00 42.50 34.00	1679 1518 1214	220	300	78±2	DN100	4400	4200 x 2200 x 2500
GTS-350PM	8 10 13	116 145 189	900 808 650	54.00 48.50 39.00	1929 1732 1393	255	350	78 ± 2	DN125	4500	4200 x 2200 x 2500
GTS-380PM	8 10 13	116 145 189	1000 900 725	60.00 54.00 43.50	2143 1929 1554	285	380	78±2	DN125	5000	4500 x 2500 x 2500

Low-Pressure Screw Compressor 3 to 5 Bar Make sure no energy consumption waste in long lifespan

- · Use low speed larger rotor air end, stable and reliable operation, lower noise
- · Integrated air end design, transmission efficiency up to 100%
- · Built-in permanent magnet synchronous motor, unique ultra-low frequency conversion technology, wide air volume adjustment range, and consistent efficiency at low frequency

Zero-risk Pipe line Design

- * Large diameter design reduce the pressure loss
- * Flange structure is easy to disassemble



Exclusive customized low-voltage air end

Easy for load and unload

Customized Dual Oil and air separator tank
Ensure the oil content ≤2PPM
Ensure the system pressure difference is
minimized, and ultimate energy saving

TECNICAL PARAMETERS FOR LOW PRESSURE SCREW AIR COMPRSSOR 3 BAR

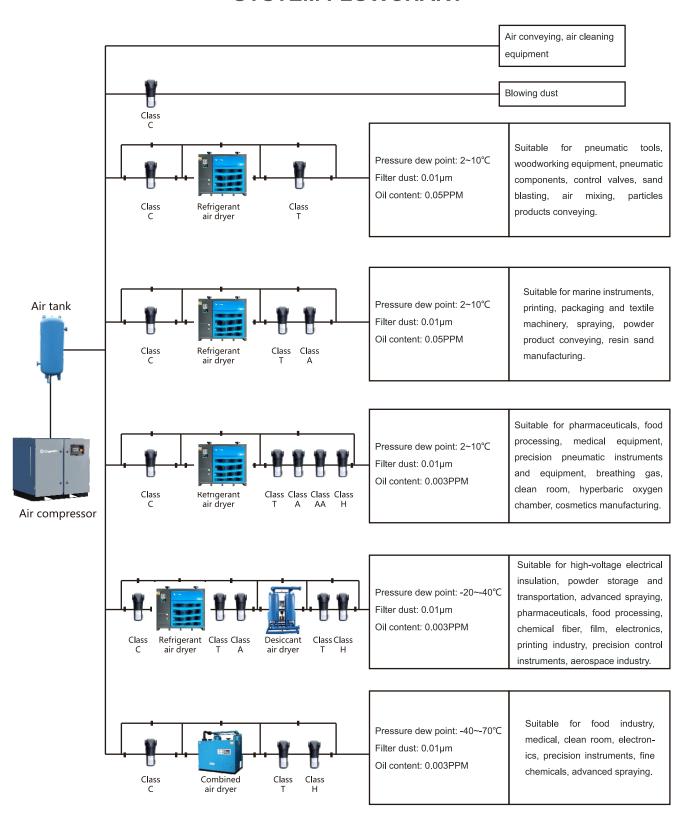
MODEL	MAXIMUM WORKING PRESSURE		FREE AIR DELIVERY* OF UNIT AT WORKING PRESSURE			MOTOR		NOISE LEVEL	AIR OUTLET DISCHARGE SIZE	WEIGHT	DIMENSIONS
	Bar	PSI	I/s	m³/min	CFM	Kw	HP	dBA		Kg	LXWXH (mm)
GD-30D3	3	44	100	6.00	214	22	30	70 ± 3	G1-1/2	1300	1700 x 1400 x 1710
GD-50D3	3	44	158	9.50	339	37	50	70 ± 3	G2	2200	2000 x 1400 x 1710
GD-60D3	3	44	225	13.50	482	45	60	73 ± 3	G2	2300	2100 x 1510 x 1800
GD-75D3	3	44	292	17.50	625	55	75	73 ± 3	DN65	2900	2100 x 1510 x 1800
GD-100D3	3	44	325	19.50	696	75	100	73 ± 3	DN65	3000	2750 x 1510 x 1910
GD-125D3	3	44	467	28.00	1000	90	120	73 ± 3	DN125	4000	3400 x 1900 x 2150
GD-150D3	3	44	542	32.50	1161	110	150	80 ± 3	DN125	4100	3400 x 1900 x 2150
GD-175D3	3	44	667	40.00	1429	132	175	80 ± 3	DN150	5800	4000 x 2100 x 2300

TECNICAL PARAMETERS FOR LOW PRESSURE TWO STAGE SCREW AIR COMPRSSOR 5 BAR

MODEL	MAXIMUM WORKING PRESSURE			E AIR DELIVI OF UNIT AT KING PRES		MOTOR		NOISE LEVEL **	AIR OUTLET DISCHARGE SIZE	WEIGHT	DIMENSIONS
	Bar	PSI	I/s	m³/min	CFM	Kw	НР	dBA		Kg	L X W X H (mm)
GTD-40D5	5	73	115	6.90	246	30	40	70±3	G2	1300	1800 x 1250 x 1660
GTD-50D5	5	73	163	9.80	350	37	50	70 ± 3	G2	1850	2100 x 1510 x 1800
GTD-60D5	5	73	197	11.80	421	45	60	73±3	G2	2600	2100 x 1510 x 1800
GTD-75D5	5	73	230	13.80	493	55	75	73±3	G2	2600	2100 x 1510 x 1800
GTD-100D5	5	73	308	18.50	661	75	100	73±3	DN65	3500	3000 x 1700 x 2060
GTD-125D5	5	73	383	23.00	821	90	120	73±3	DN80	3500	3000 x 1700 x 2060
GTD-150D5	5	73	455	27.30	975	110	150	81 ± 3	DN80	3700	3380 x 1865 x 2140
GTD-175D5	5	73	542	32.50	1161	132	175	81 ± 3	DN80	3800	3380 x 1865 x 2140
GTD-200D5	5	73	693	41.60	1486	160	220	83 ± 3	Dn80	4000	3600 x 2000 x 2050

COMPRESSED AIR PUTIFICATION

SYSTEM FLOWCHART







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