All we do , All for you !

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More Professional

More Reliable Better Service + More

SCREW AIR COMPRESSOR 4KW-800KW

GSS-GOF-GST-GSL OIL INJECTION

SOLVER

SCREW
AIR COMPRESSOR

CONTENTS

General Introduction

Established date: October 1997
Director: KIM CHUN GON
Headquater: 149-8 Seolmun-dog, Ilsandong-gu, Koyang City, Kyungki-do, Korea
Established date in Viet Nam: March 2010 (HANSHIN VINA CO,. LTD)
Established date of contributed company: January 2011 (PHAN THANH CO., LTD)
Date of changing name: 16th September 2014 (GHS VINA CO., LTD)
Add: Ngoc Da – Tan Quang – Van Lam – Hung Yen – Viet Nam
Business: Production – Trading – Service
Items of business: Industrial machinery, commerce, progressing, industrial water electric installation
Area: more than 2300m2
Invested capital: 300,000 USD

Double Screw Air Compressor

Worldwide Agents and Clients

JOIN US, JOIN SUCCESS

Actual clients over 100 countries and regions.

To be continued ...

AFTER SERVICE COMMIMENTS

Users' handling should be in strict accordance with GHS USER MANUAL. Consumable parts and all other accessories and oil quality would be provided by GHS; otherwise we can not achieve the promise of ensuring the quality of our prod ucts.

Contributes to

Chinese National Defense Equipment.

Quality Guarantee :

Quality is what GHS always pursued, all the key parts are original imported.

Warranty :

- One year for the whole compressors except the consumable parts.
- If the problem of machine caused by the quality of machine, GHS shall provide the spare parts without charges within the warranty period; if the problem caused by the buyer whenever, GHS shall replace the parts at reasonable price which in its sole discretion.

Installation and Commissioning :

- Provide customers with installation and commissioning online instructions.
- Well-trained engineers available to overseas service.

After Services :

- 24 hours on-line service available. 48hours problem solved promise.
- Worldwide agents and after service available, including Thailand, Indonesia, Malaysia & Singapore, India, Pakistan, Spain, Czech Republic, Russia, Mexico, Colombia, South Africa, Algeria, etc.

Spare Parts :

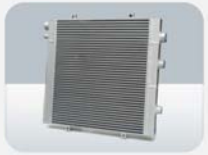
GHS always supply spare parts on most favorable terms.

COMPONENTS

Assembled with genuine air end and imported spare parts, GHS compressors have more stable performance and generate greater air output, which is unrivaled in the same industry in Korea.

Superior Air Inlet and Filter System

Customized air filter with two stage dust removal and filtering system, up to 99.9% efficiency even in heave-duty environment.
Inlet air filter is designed to suck outside normal temperature air, to make the output temperature significantly decreasing by 3-10℃ and greatly extended the service life.
Germany MANN oil filter with excellent oil purification efficiency, to ensure the safety oil system, and enlarge the service life.



Energy Efficient Cooling Method

High quality of aluminum fins and copper coil materials with good thermal conductivity to ensure the perfect cooling efficiency.
The cooler is located separately from the internal chassis with higher temperature, so that the cooling fans would suck air with normal temperature from outside, to save over 30% energy and make the output air temperature decrease 3 ~8℃.

Optimum System Design

The technicians optimize the system to largely reduce errors during running, to make the air delivery more sufficient and make the energy consumption advanced in compressed industry.
Reduce pressure drops and save energy.
Three step air-oil separation (centrifuge, gravity, filter).
Quality air with low oil content less than 3ppm.

Intelligent Control

ABB electrical elements bring you the resulting sense of reliability and convenience during operation.
Reasonable, simple and clear wiring with clear diagram, easy for maintenance.

Genuine Air End

Advanced GHS air end with larger air delivery and stable running conditions.
Germany Aerzen and GHH for choose

Good Sealing Performance

Good sealing performance has been an objective we pursue immutably. Unique process design and material application free you from the headaches of common faults in air compressors such as oil leakage, air leakage, etc.

Genuine Imported Bearing

Excellent imported bearings are adopted for compressor air end to better improve their use efficiency, reduce abrasion and help to make the engagement more stable and smooth.

PLC

Touch screen with multiple languages for choose.
Full protect functions for motor and compressors.
Remote control with RS485 available.
Ingersoll-rand supplier CMC for choose, with advanced ECO card & IOT functions.

Solenoid Valve

Orignal Italy ODE ensure the stable running of compressors.

Dust Screen

Stop most of the dust, oil, moisture, etc, to increase service life of air end, air filter and oil filter.

High Efficiency Motor

High efficiency totally enclosed fan cooled motor with protection class IP54/IP55 and insulation class F.
Standard GHS motor, the same motor supplier of Atlas Copco and Ingersoll-rand in Korea.
ABB / Siemens / Weg motor for choose.

Air Inlet Valve

High-quality air inlet valves with 0-100% stepless adjustment to the air quantity inlet, to reduce the energy consumption.
Integrated check valve to prevent backflow of air and oil in case of unexpected power failure.

Energy Saving 1:1 Direct Driven Design

Original maintenance-free coupling makes the motor drive air end without transmission loss.

DIRECT DRIVEN SCREW COMPRESSOR

Configuration Characteristics:

- A precisely-made central bracket is used to keep the motor aligned permanently with the air end.
- A highly resilient coupling is adopted to make the compressor operate smoothly, and the elastomer is longer in useful life.
- The discharge pipe is double-wall corrugated pipe, and the oilway uses a special high-pressure hose which is resistant to temperature up to 125℃
- For the extremely high temperature conditions in some districts, the large-area plate heat exchanger and high-efficiency water chiller are used.

SPECIFICATIONS

Motor Efficiency Class: IE5/IE4/IE3/IE2 as per your required
Type of Driving: Direct driven

Motor Protection Class: IP23/IP54/IP55 or as per your required
Type of Cooling: Air Cooling,Water Cooling

Model	Working Pressure		Air Delivery		Motor Power	Dimension(mm)			Weight(kg)	Output pipe Diameter
	psig	bar	cfm	m^3/min	kw/hp	L	W	H	Kg	
GSS-25SA GSS-25SW	100	7	109.5	3.1	18.5/25	1380	850	1150	640	11/4"
	116	8	102.4	2.9						
	145	10	95.4	2.7						
	181	13	81.2	2.3						
GSS-30SA GSS-30SW	100	7	134.2	3.8	22/30	1380	850	1150	640	11/4"
	116	8	127.1	3.6						
	145	10	113.0	3.2						
	181	13	88.3	2.5						
GSS-40SA GSS-40SW	100	7	187.1	5.3	30/40	1450	990	1220	990	11/4"
	116	8	176.6	5.0						
	145	10	151.8	4.3						
	181	13	127.1	3.6						
GSS-50SA GSS-50SW	100	7	223.0	6.6	37/50	1595	1000	1365	1060	11/2"
	116	8	218.9	6.2						
	145	10	201.3	5.7						
	181	13	162.4	4.6						
GSS-60SA GSS-60SW	100	7	282.7	8.0	45/60	1595	1000	1450	1150	11/2"
	116	8	271.9	7.7						
	145	10	243.6	6.9						
	181	13	211.9	6.0						
GSS-75SA GSS-75SW	100	7	370.8	10.5	55/75	2100	1250	1700	1750	2"
	116	8	346.0	9.8						
	145	10	307.2	8.7						
	181	13	257.8	7.3						

SPECIFICATIONS

Model	Working Pressure		Air Delivery		Motor Power	Dimension(mm)			Weight(kg)	Output Pipe Diameter
	psig	bar	cfm	m^3/min	kw/hp	L	W	H	Kg	
GSS-100SA GSS-100SW	100	7	480.2	13.6	75/100	2100	1250	1700	1840	2"
	116	8	459.0	13.0						
	145	10	399.0	11.3						
	181	13	356.6	10.1						
GSS-120SA GSS-120SW	100	7	572.0	16.2	90/120	2100	1250	1700	2030	2"
	116	8	543.8	15.4						
	145	10	466.1	13.2						
	181	13	395.5	11.2						
GSS-150SA GSS-150SW	100	7	734.4	20.8	110/150	2545	1450	1900	2920	DN65
	116	8	688.5	19.5						
	145	10	582.6	16.5						
	181	13	483.7	13.7						
GSS-175SA GSS-175SW	100	7	847.4	24.0	132/175	2545	1450	1900	3200	DN65
	116	8	812.1	23.0						
	145	10	706.2	20.0						
	181	13	547.3	15.5						
GSS-200SA GSS-200SW	100	7	981.6	27.8	160/200	2790	1550	2000	3600	DN65
	116	8	918.1	26.0						
	145	10	829.8	23.5						
	181	13	688.5	19.5						
GSS-250SA GSS-250SW	100	7	1147.6	32.5	185/250	2790	1550	2000	3780	DN80
	116	8	1094.6	31.0						
	145	10	918.1	26.0						
	181	13	762.7	21.6						
GSS-270SA GSS-270SW	100	7	1218.2	34.5	200/270	2850	1700	2000	4400	DN80
	116	8	1165.2	33.0						
	145	10	988.7	28.0						
	181	13	829.8	23.5						
GSS-300SA GSS-300SW	100	7	1341.8	38.0	220/300	3150	2000	2120	4930	DN100
	116	8	1288.8	36.5						
	145	10	1129.9	32.0						
	181	13	953.4	27.0						
GSS-330SA GSS-330SW	100	7	1518.3	43.0	250/330	3150	2000	2120	5450	DN100
	116	8	1430.1	40.5						
	145	10	1288.8	36.5						
	181	13	1129.9	32.0						
GSS-375SA GSS-375SW	100	7	1818.5	51.5	280/375	4000	2000	2120	6150	DN125
	116	8	1765.5	50						
	145	10	1589.0	45						
	181	13	1306.5	37						
GSS-420SA GSS-420SW	100	7	1977.4	56	315/420	4600	2300	2400	7500	DN125
	116	8	1942.1	55						
	145	10	1730.2	49						
	181	13	1447.7	41						
GSS-470SA GSS-470SW	100	7	2259.8	64	355/470	4600	2300	2400	8100	DN150
	116	8	2189.2	62						
	145	10	1906.7	54						
	181	13	1624.3	46						
GSS-550SA GSS-550SW	100	7	2577.6	73	400/550	5000	2350	2400	8400	DN150
	116	8	2471.7	70						
	145	10	2153.9	61						
	181	13	1836.1	52						
GSS-600SA GSS-600SW	100	7	2860.1	81	450/600	5500	2590	2800	9000	DN150
	116	8	2789.5	79						
	145	10	2471.7	70						
	181	13	2083.3	59						
GSS-670SA GSS-670SW	100	7	3142.6	89	500/670	5500	2590	2800	9500	DN200
	116	8	3072.0	87						
	145	10	2718.9	77						
	181	13	2365.8	67						
GSS-750SA GSS-750SW	100	7	3601.6	102	560/750	4500	2700	3000	10000	DN200
	116	8	3460.4	98						
	145	10	3072.0	87						
	181	13	2718.9	77						

COMBINED SCREW COMPRESSOR

Combined Screw Air Compressor Series

The combined screw air compressor integrates the parts including screw compressor, air dryer, fine filter and air tank, making it convenient for the user to install, use and move.

After the air pass the integrated system, the quality of air is made largely better to satisfy process requirements of various companies.

It have beautiful appearance, stable performance and economic installation. It is one of the important series exported by our company.

Large Integrated Screw Air Compressor

Large integrated Screw Air Compressor is a kind of compressor integrated with compressor, air tank, refrigerated air dryer (adsorption air dryer) and pecision filters, that greatly make convenience for customers to do installation and can be freely moved to anywhere with flexible operation. After placed on level ground, it can put into use after use conecting through power supply and gas pipelines, which save many processes that have to install and connect amounts of pipelines and valves. With reliable performace and easy management, its economic is far better than that of separated unit series. Now many medium and middle mining industries prefer this integrated series.

SPECIFICATIONS

Motor Efficiency Class: IE4/IE3/IE2 as per your required
Type of Driving: Belt driven
Motor Protection Class: IP23/IP54/IP55 or as per your required
Type of Cooling: Air Cooling/Water Cooling

■ Combined Screw Air Compressor (Compressor+Tank+Dryer+Filters)

Model	Compressor						Tank	Air dryer		Filter	Dimension(mm)			Weight
	Working Pressure		Air Delivery		Motor Power	Output Pipe Diameter	Volume of Receiver	Model of Dryer	Treatment Capacity	model of Precision Filter				
	psi(g)	bar(g)	cfm	m³/min	kw/hp		m³		m³/min		L	W	H	Kg
GSS-10SA	100	7	38.8	1.1	7.5/10	3/4"	0.3	ELH-10A	1.2	END012	1650	730	1530	680
	116	8	35.3	1.0										
	145	10	30.0	0.85										
	181	12.5	24.7	0.7										
GSS-15SA	100	7	63.6	1.8	11/15	1"	0.5	ELH-15A	2.4	END024	1955	800	1800	785
	116	8	58.3	1.65										
	145	10	53.0	1.5										
	181	12.5	45.9	1.3										
GSS-20SA	100	7	84.7	2.4	15/20	1"	0.5	ELH-20A	2.6	END024	1955	800	1800	810
	116	8	77.7	2.2										
	145	10	74.2	2.1										
	181	12.5	63.6	1.8										
GSS-25SA GSS-25SW	100	7	109.5	3.1	18.5/25	1"	0.5	ELH-30A	3.8	END035	1900	1070	2012	910
	116	8	102.4	2.9										
	145	10	95.4	2.7										
	181	12.5	81.2	2.3										
GSS-30SA/ GSS-30SW	100	7	134.2	3.8	22/30	11/2"	0.5	ELH-30A	3.8	END035	1960	1070	2012	930
	116	8	127.1	3.6										
	145	10	113	3.2										
	181	12.5	88.3	2.5										

■ Combined Screw Air Compressor (Compressor+Tank)

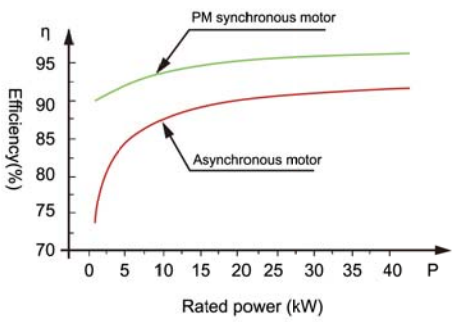
Model	Compressor						Tank	Dimension(mm)			Weight
	Working Pressure		Air Delivery		Motor Power	Output pipe Diameter	Volume of Receiver				
	psig	bar	cfm	m³/min	kw/hp		m³	L	W	H	Kg
GSS-10SA	100	7	38.8	1.1	7.5/10	3/4"	0.3	1650	730	1530	680
	116	8	35.3	1.0							
	145	10	30.0	0.85							
	181	12.5	24.7	0.7							
GSS-15SA	100	7	63.6	1.8	11/15	1"	0.3	1955	800	1800	785
	116	8	58.3	1.65							
	145	10	53.0	1.5							
	181	12.5	45.9	1.3							
GSS-20SA	100	7	84.7	2.4	15/20	1"	0.3	1955	800	1800	810
	116	8	77.7	2.2							
	145	10	74.2	2.1							
	181	12.5	63.6	1.8							
GSS-25SA GSS-25SW	100	7	109.5	3.1	18.5/25	1"	0.5	1900	1070	2012	910
	116	8	102.4	2.9							
	145	10	95.4	2.7							
	181	12.5	81.2	2.3							
GSS-30SA GSS-30SW	100	7	134.2	3.8	22/30	11/2"	0.5	1960	1070	2012	930
	116	8	127.1	3.6							
	145	10	113	3.2							
	181	12.5	88.3	2.5							

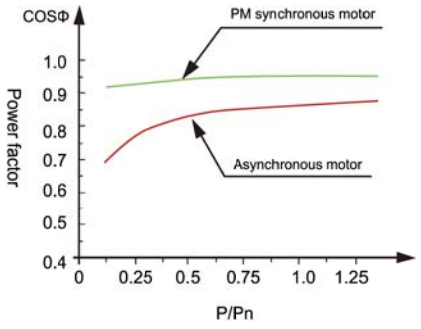
Certification: QAC/ISO 9001:2008/IAF/BOA

PERMANENT MAGNET VARIABLE FREQUENCY SCREW COMPRESSOR

PM motor has 2~ to 7% higher working efficiency than three-phase asynchronous motor. No matter in underloading or overloading conditions, PM compressors keep high working efficiency while three-phase asynchronous motor will have fluctuant efficiency according to the loading conditions. Therefore, compressor adopts PM motor will save 8% to 30% energy than those adopts three-phase asynchronous motor.

Specialized PM motor has power factor large than 0.95, even close to 1 in some models. Moreover, PM compressors is installed with frequency converter to realize variable frequency starting and decrease the impact to compressor unit and power grid during starting, so as to save operation costs.





SPECIFICATIONS

Motor Efficiency Class: equal to IE4
Type of Driving: Direct driven
Motor Protection Class: IP23/IP54/IP55 or as per your required
Type of Cooling: Air Cooling/Water Cooling

Model	Working Pressure		Air Delivery		Motor Power	Dimension(mm)			Weight(kg)	Output pipe Diameter
	psig	bar	cfm	m^3/min	kw/hp	L	W	H	Kg	
SAM-10SA	116	8	14.1-35.3	0.4-1.0	7.5/10	850	640	880	350	1"
	145	10	12.0 -30.0	0.3-0.85						
SAM-15SA	116	8	23.3-58.3	0.7-1.65	11/15	1150	750	1180	450	11/4"
	145	10	21.2-53.0	0.6-1.5						
SAM-20SA	116	8	31.1-77.7	0.9-2.2	15/20	1150	750	1180	460	1"
	145	10	29.7-74.2	0.8-2.1						
SAM-25SA	116	8	41.0 -102.4	1.2-2.9	18.5/25	1200	850	1280	665	1"
	145	10	38.1 -95.3	1.1-2.7						
SAM-30SA	116	8	50.8-127.1	1.4-3.6	22/30	1200	850	1280	665	1"
	145	10	45.2 -113.0	1.3-3.2						
SAM-40SA	116	8	70.6-176.6	2.0-5.0	30/40	1450	1000	1465	1100	11/4"
	145	10	60.7-151.8	1.7-4.3						
SAM-50SA	116	8	87.6 -218.9	2.5-6.2	37/50	1450	1000	1465	1100	11/4"
	145	10	80.5-201.3	2.3-5.7						
SAM-60SA	116	8	108.8-271.9	3.1-7.7	45/60	1450	1000	1465	1750	2"
	145	10	97.5 -243.6	2.8-6.7						
SAM-75SA	116	8	138.4-346.0	3.9-9.8	55/75	2100	1250	1700	1750	2"
	145	10	122.9 -307.2	3.5-8.7						
SAM-100SA	116	8	183.6-459.0	5.2-13.0	75/100	2100	1250	1700	1840	2"
	145	10	159.6-399.0	4.5-11.3						
SAM-120SA	116	8	217.5-543.8	6.2-15.4	90/120	2170	1320	1750	2030	2"
	145	10	186.4-466.1	5.3-13.2						
SAM-150SA	116	8	275.4-688.5	7.8-19.5	110/150	2545	1500	1900	3100	DN65
	145	10	233.0 -582.6	6.6-16.5						
SAM-175SA	116	8	324.9 -812.1	9.2-23.0	132/175	2545	1500	1900	3400	DN65
	145	10	282.5-706.2	8.0-20.0						
SAM-200SA	116	8	367.2 -918.1	10.4-26.0	160/200	2545	1500	1900	3400	DN65
	145	10	331.9 -829.8	9.4-23.5						
SAM-250SA	116	8	437.8-1094.6	12.2-31.0	185/250	2790	1550	2000	3780	DN80
	145	10	367.2-918.1	10.2-26.0						
SAM-270SA	116	8	466.1-1165.2	13.2-33.0	2000/270	2850	1700	2000	4400	DN80
	145	10	395.5 -988.7	11.2-28.0						
SAM-300SA	116	8	515.5 -1288.8	14.6-36.5	220/300	3150	2000	2120	4930	DN100
	145	10	452.0 -1129.9	12.8-32.0						
SAM-330SA	116	8	572.0-1430.1	16.2-40.5	250/233	3150	2000	2120	5450	DN100
	145	10	515.5 -1288.8	14.6-36.5						

Certification: QAC/ISO 9001:2008/IAF/BOA
Voltage: 110V~660V 50Hz/60Hz 3Ph available.

MIDDLE PRESSURE OIL FREE WATER LUBRICATION COMPRESSOR

6~40m3/min

1.8~4.0MPa

100% oil free

APPLICATIONS:

Pharmaceutical blow moulding, PET bottle blowing in food and beverage industry, Vessel pressure monitoring, and etc.

ADVANTAGES:

- Air end service life: simple structure, more compact, low rotation speed, low vibration, low noise, low exhaust temperature, small temperature range of components, longer the service life and lower failure rate.
- Unique SIC hydrodynamic bearing design: anti-oxidation, anti-corrosion, no mechanical wear, lifelong maintenance-free.
- Energy-saving and environmental protection: water seal, water lubrication and water cooling to achieve 100% oil-free environmental protection; dual air end, dual motor, low specific power, low exhaust temperature, isothermal and isobaric compression, less internal leakage, higher thermal efficiency.

SPECIFICATIONS

Motor Efficiency Class: IE5/IE4/IE3/IE2 as per your required

Motor Protection Class: IP23/IP54/IP55 or as per your required

Type of Cooling: Air Cooling/Water Cooling

Model	Working Pressure		Air Delivery		Motor Power	Dimension (mm)			Weight	Outlet pipe diameter
	Psig	bar	cfm	m3/min	kw/hp	L	W	H	Kg	
GOF -20SA	232.0	16	67.0	1.9	15/20	1450	1000	1560	870	3/4
GOF -25SA	232.0	16	81.0	2.3	18.5/25	1450	1000	1560	870	3/4
GOF -30SA	232.0	16	95.0	2.7	22/30	1450	1000	1560	870	3/4
GOF -40SA	232.0	16	131.0	3.7	30/40	1450	1000	1560	870	3/4

SPECIFICATIONS

Model	Working Pressure		Air Delivery		Motor Power	Dimension (mm)			Weight	Outlet pipe diameter
	Psig	bar	cfm	m3/min	kw/hp	L	W	H	Kg	
GOF-50SA	232.0	16	162.0	4.6	37/50	1700	1100	1630	1000	1
GOF-60SW	232.0	16	198.0	5.6	45/60	2150	1300	1590	1060	1
GOF-75SW	232.0	16	240.0	6.8	55/75	2500	1450	1750	2750	DN25
	290-435	20-30	208.0	5.9						
	435-580	30-40	166.0	4.7						
GOF-100SW	232.0	16	328.0	9.3	75/100	2500	1450	1750	2750	DN25
	290-435	20-30	282.0	8.0						
	435-580	30-40	230.0	6.5						
GOF-120SW	232.0	16	395.0	11.2	90/120	2500	1450	1750	2750	DN32
	290-435	20-30	343.0	9.7						
	435-580	30-40	275.0	7.8						
GOF-150SW	232.0	16	480.0	13.6	110/150	2500	1450	1750	2980	DN32
	290-435	20-30	420.0	11.9						
	435-580	30-40	339.0	9.6						
GOF-175SW	232.0	16	579.0	16.4	132/175	2500	1450	1750	3100	DN32
	290-435	20-30	501.0	14.2						
	435-580	30-40	410.0	11.6						
GOF-200SW	232.0	16	685.0	19.4	160/200	2500	1450	1750	3500	DN40
	290-435	20-30	593.0	16.8						
	435-580	30-40	484.0	13.7						
GOF-250SW	232.0	16	794.0	22.5	185/250	3400	1800	1950	3500	DN40
	290-435	20-30	692.0	19.6						
	435-580	30-40	554.0	15.7						
GOF-270SW	232.0	16	855.0	24.2	200/270	3400	1800	1950	3500	DN40
	290-435	20-30	749.0	21.2						
	435-580	30-40	600.0	17.0						
GOF-300SW	232.0	16	939.0	26.6	220/300	3850	1900	1950	3950	DN50
	290-435	20-30	759.0	23.2						
	435-580	30-40	664.0	18.8						
GOF-330SW	232.0	16	1073.0	30.4	250/330	3850	1900	1950	3950	DN50
	290-435	20-30	929.0	26.3						
	435-580	30-40	759.0	21.5						
GOF-375SW	232.0	16	1197.0	33.9	280/375	3850	1900	1950	3950	DN50
	290-435	20-30	1038.0	29.4						
	435-580	30-40	844.0	23.9						
GOF-420SW	232.0	16	1349.0	38.2	315/420	4500	2000	2100	4800	DN65
	290-435	20-30	1176.0	33.3						
	435-580	30-40	946.0	26.8						
GOF-470SW	232.0	16	1522.0	43.1	355/470	4500	2000	2100	5200	DN65
	290-435	20-30	1321.0	37.4						
	435-580	30-40	1073.0	30.4						

Certification: QAC/ISO 9001:2008/IAC/BOA

Voltage: 110V~660V 50Hz/60Hz 3Ph available.

CUSTOMIZED PRESSURE SCREW AIR COMPRESSOR

Up to **50%** energy saving

User-friendly installation,miantenance and care

01 Double frequency control system

- Main motor frequency conversion control:
  1.Eliminate excess pressure to bring the waste of electricity
  2.Constant pressure output: constant pressure control accuracy of ± 0.02mpa, which is conducive to textile nozzle nozzle, improve product quality;
- Inverter constant temperature fan:
  1.Adjusting the heat automatically according to the temperature inside the machine
  2.Constant cabin temperature provide the best equipment operation
  3.Thermostat output: General thermostat set at about 80 ℃, so that make the best oil lubrication and avoid high temperature closing down the machine;
- ABB, Siemens Inverter (for option)

- CMC control panel (for option):
  Support more than 20 languages: such as English, Russian, French, Spanish, German, Arabic, etc;
  Know the maintenance, fault and other information timely through the mobile phone for local or remote control of the visualization system.

02 Air end: single-stage compression Air end / two-stage compression Air end

- Single-stage compression (1.2-6.5bar)
- Two-stage compression (4-6.5bar)
- Single-stage air end:
  a wide range of pressure, easy maintenance;
- Two-stage air end:
  15-20% more efficiency than single-stage ;
  Isothermal compression;
  Reduce the compression ratio, reduce leakage back;

03 PM High Frequency Motor

- Efficient: the average efficiency is 7% more than that of ordinary motor;
- Eliminate no-load;
- Frequency range 80-150 / 200hz, intelligent vsd;
- Frequency start, small starting current, small grid impact;
- Motor efficiency are IE3, IE4;
- Efficient Weg IE4 (for choose) , ABB, Siemens motors(for choose)

04 Industry custom to increase the oil system, gas system

- Increase oil and gas tank, using imported oil and gas separator, the oil content is less than 2ppm;
- Increase pipeline system to reduce pressure loss
- Effective cooling area, stable operation;

05 Stainless steel piping system

- Simple structure, beautiful appearance
- Corrosion-resistant, long service life
- High strength Stainless steel tube with good ductility ,toughness, and pressure loss

06 Customize the temperature according to the industry

- Temperature for textile industry is designed with 50 ℃
- Temperature for glass industry is designed with 40 ℃

07 Double filtration, double oil filtration

- Double filtering (external inlet filter screen and air filter) : ensure that inlet precision is 1 microns, and avoid impurities to enter;
  External inlet filter screen is easy to removable and clean;
- Double oil filter: when maintain the machine, do not need to stop, and don't delay production.

08 Customized large cooling system

- Separated cooler: Heat dissipation for gas path and the heat dissipation separation for fuel lines isolate the expansion and condensation caused by temperature difference ;
- Subdivision heat dissipation is more effective and rapid to cool and can not be affected by internal pressure.
- Centrifugal fan, with low noise, and high efficiency for heat dissipation.

■ Comparison between Single-stage Screw Air Compressor and Pressure Customized Screw Air Compressor:

Description	GHS One stage Compression Air Compressor Data	GHS Pressure Customized Air Compressor Data	Difference
Model	GSS-330SA	GSS-330SAL	
Rated Power (kw/h)	250	250	
Rated Air Delivery (m³/min)	40.5	63.0	22.5 m³/min
Working Pressure (bar)	8	4	
Total Sets	1	1	
Total Rate Power Consumption (kw/h)	250	250	
Shaft Power	1.2	1.2	
Actual Gas Production 40.5m3/min total power consumption (kw/h)	250*1.2=300	250*1.2*64%=192 (40.5/63.0=64%)	108kw

Statistical Data:

1) The total air delivery for 1 set 250KW/H GHS One-stage Compression Air Compressors: **40.5m³/min**,
Actual Gas Production 40.5 m³/min total power consumption: **300 kw/h**;
2) Recommend 1 sets 250KW/H GHS Energy-saving Low Pressure Air Compressor. Total Air Delivery: **63.0 m³/min**;
Actual Gas Production 40.5 m³/min total power consumption: **192 kw/h**.

Saving Electricity:

1.The Electricity Energy-saving Model can save: 300-192=108kw/h
2.The ratio: 108/300=36%

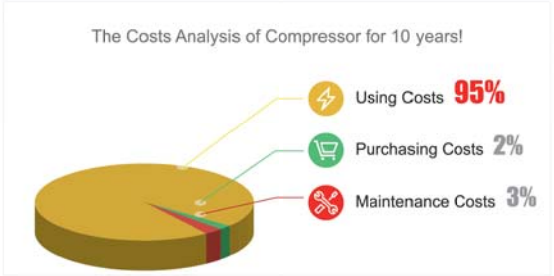
Energy Savings Calculation:

1. Annual equipment usage time by 350 days.
2. Daily working hours by 24 hours.
3. Electricity prices by USD 0.16 per kilowatt.

The Cost Savings For Electricity Per Year:

108*350*24*0.16 = **USD 145152 (Per year)**

From upon data sheet, we can also know the using cost of compressor takes up a great proportion in the total cost:



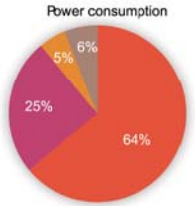
THEREFORE

HOW TO SAVE THE ELECTRICITY COST IS ALWAYS THE PRIORITY !

EXAMPLE

The total number of spinning machines in a user factory is 96 (regardless of the labor cost):

Number of textile machinery	96 units	Power consumption per set≈3kw/h	The total power consumption≈288kw/h
Lights & Fans	Workshop	Whole workshop≈50kw/h	The total power consumption≈50kw/h
Circulating water pump	4 units	Whole workshop≈15kw/h	The total power consumption≈15*4=60kw/h
Air compressor 105m³/min	3 units	Power consumption per set≈200kw/h	The total power consumption≈200*1.2*3=720kw/h
The total power consumption			1118kw/h



The graph of energy consumption

- Air compressor
- Textile machinery
- Lights & Fans
- Circulating water pump

The operating cost of the user's 3 air compressor in 10 years (200kw, 7bar, 35m³/min/set, total 3 sets)		
One -time acquisition cost	53000USD /Set	53000*3=159000USD
Operation and maintenance cost (Year=8000hrs)	3000USD per time	3000*3(sets)*2(times)*10(years)=180000USD
Power consumption	SF=1.2	200kw*1.2*3(sets)=720kw/h 720kw*24h*330days*10years=57024000kw
Electricity	Average electricity price 0.16USD/kw/h	57024000kw*0.16=9123840USD
Total		9462840USD

LOW PRESSURE SCREW AIR COMPRESSOR

Energy Saving

Pressure Customized

High Reliability

Model	Working Pressure		Air Delivery		Motor Power	Dimension (mm)			Weight	Outlet pipe diameter
	Psig	bar	cfm	m3/min	kw/hp	L	W	H	Kg	
GSL-20SA	22.0	1.5	230.0	6.5	15/20	1450	1000	1465	950	DN50
	29.0	2.0	208.0	5.9						
	43.5	3.0	138.0	3.9						
GSL-25SA	22.0	1.5	283.0	8.0	18.5/25	1450	1000	1465	950	DN50
	29.0	2.0	258.0	7.3						
	43.5	3.0	173.0	4.9						
	58.0	4.0	138.0	3.9						
	73.0	5.0	134.0	3.8						
GSL-30SA	22.0	1.5	336.0	9.5	22/30	1480	1000	1465	950	DN65
	29.0	2.0	304.0	8.6						
	43.5	3.0	191.0	5.4						
	58.0	4.0	184.0	5.2	22/30	1480	1100	1635	950	DN65
	73.0	5.0	177.0	5.0						
GSL-40SA	220	1.5	459.0	13.0	30/40	1480	900	1330	950	DN65
	29.0	2.0	417.0	11.8						
	43.0	3.0	304.0	8.6						
	58.0	4.0	240.0	6.8		1850	1200	1650	1050	DN65
	73.0	5.0	226.0	6.2						
GSL-50SA	22.0	1.5	569.0	16.1	37/50	1850	1200	1650	1100	DN65
	29.0	2.0	523.0	14.8						
	43.5	3.0	388.0	11.0						
	58.0	4.0	311.0	8.8						
	73.0	5.0	311.0	8.8						

Model	Working Pressure		Air Delivery		Motor Power	Dimension (mm)			Weight	Outlet pipe diameter
	Psig	bar	cfm	m3/min	kw/hp	L	W	H	Kg	
GSL-60SA	22.0	1.5	716.0	20.2	45/60	2000	1350	1805	1200	DN80
	29.0	2.0	667.0	18.9						
GSL-60SA	22.0	1.5	716.0	20.2	45/60	2000	1350	1805	1200	DN80
	29.0	2.0	667.0	18.9						
	43.5	3.0	456.0	12.9						
	58.0	4.0	381.0	10.8						
	73.0	5.0	381.0	10.8						
GSL-75SA	22.0	1.5	908.0	25.7	55/75	2460	1510	1970	1950	DN80
	29.0	2.0	816.0	23.1						
	43.5	3.0	607.0	17.2						
	58.0	4.0	491.0	13.9						
	73.0	5.0	473.0	13.4						
GSL-100SA	22.0	1.5	1236.0	35.0	75/100	2320	1680	2030	2150	DN100
	29.0	2.0	1112.0	31.5						
	43.5	3.0	745.0	21.1						
	58.0	4.0	629.0	19.6						
	73.0	5.0	583.0	16.5						
GSL-120SA	22.0	1.5	1483.0	42.0	90/120	2160	1660	1900	3500	DN125
	29.0	2.0	1239.0	35.1						
	43.5	3.0	1020.5	28.9						
	58.0	4.0	872.2	24.7						
	73.0	5.0	692.1	19.6						
GSL-150SA	22.0	1.5	1883.6	53.4	110/150	2610	1660	1900	3500	DN125
	29.0	2.0	1528.9	43.3						
	43.5	3.0	1239.4	35.1						
	58.0	4.0	1020.5	28.9						
	73.0	5.0	872.2	24.7						
GSL-175SA	22.0	1.5	2549.4	72.2	132/175	3730	2280	2700	6000	DN200
	29.0	2.0	1966.8	55.7						
	43.5	3.0	1765.5	50.0		3280	2180	2380	4000	DN200
	58.0	4.0	1528.9	43.3		3730	2280	2700	6000	DN150
	73.0	5.0	1038.1	29.4		2980	1930	2160	4000	DN150
GSL-200SA	22.0	1.5	2740.1	77.6	160/200	3380	2280	2420	4500	DN150
	29.0	2.0	2461.1	69.7						
	43.0	3.0	1991.5	56.4						
	58.0	4.0	1638.4	46.4		3360	2180	2230	4650	DN150
	73.0	5.0	1310.0	37.1						
GSL-250SA	43.5	3.0	2111.5	59.8	185/250	4250	2180	2230	5250	DN150
	58.0	4.0	1673.7	47.4						
	73.0	5.0	1384.2	39.2						
GSL-270SA	43.5	3.0	2274.0	64.4	200/270	4250	2180	2230	5650	DN150
	58.0	4.0	1892.6	53.6						
	73.0	5.0	1528.9	43.3						
GSL-300SA	43.5	3.0	2475.2	70.1	220/300	4600	2180	2230	5850	DN250
	58.0	4.0	2002.1	56.7						
	73.0	5.0	1638.4	46.4						DN150

Model	Working Pressure		Air Delivery		Motor Power	Dimension (mm)			Weight	Outlet pipe diameter
	Psig	bar	cfm	m3/min	kw/hp	L	W	H	Kg	
GSL-330SA	43.5	3.0	2768.3	78.4	250/330	5300	2180	2230	6350	DN250
	58.0	4.0	2291.6	64.9						
	73.0	5.0	1892.6	53.6						DN200
GSL-375SA	58.0	4.0	2492.9	70.6	280/375	5300	2180	2230	6550	DN200
	73.0	5.0	2185.7	61.9						
GSL-420SA	73.0	5.0	2358.7	66.8	315/420	5300	2180	2230	6850	DN200
GSL-470SA	73.0	5.0	2655.3	75.2	355/470	5300	2180	2230	6800	DN200

Certification: QAC/ISO 9001:2008/IAF/BOA
Voltage: 110V~660V 50Hz/60Hz 3Ph available.

TWO STAGE ENERGY SAVING COMPRESSOR

Same power, **LARGER** air delivery

SAVING electricity costs

SPECIFICATIONS

Motor Efficiency Class: IE4/IE3/IE2 as per your required
Type of Driving: Direct driven

Motor Protection Class: IP23/IP54/IP55 or as per your required
Type of Cooling: Air Cooling/Water Cooling

Model	Working Pressure		Air Delivery		Motor Power	Dimension (mm)			Weight	Outlet pipe diameter
	Psig	bar	cfm	m3/min	kw/hp	L	W	H	Kg	
GST-20SA-I	73.0	5.0	131.0	3.7	15/20	1480	900	1330	950	G11/4
	88.0	6.0	121.0	3.4						
	100.0	7.0	118.0	3.3						
	116.0	8.0	111.0	3.1						
	145.0	10.0	97.0	2.7						
	181.0	13.0	83.0	2.4						
GST-25SA-I	73.0	5.0	163.0	4.6	18.5/25	1480	900	1330	950	G11/4
	88.0	6.0	152.0	4.3						
	100.0	7.0	142.0	4.0						
	116.0	8.0	135.0	3.8						
	145.0	10.0	121.0	3.4						
	181.0	13.0	104.0	2.9						
GST-30SA-I	73.0	5.0	194.0	5.5	22/30	1480	900	1330	950	G11/4
	88.0	6.0	183.0	5.2						
	100.0	7.0	166.0	4.7						
	116.0	8.0	159.0	4.5						
	145.0	10.0	142.0	4.0						
	181.0	13.0	121.0	3.4						
GST-40SA-I	73.0	5.0	263.0	7.4	30/40	1650	1100	1400	1100	G11/2
	88.0	6.0	242.0	6.9						
	100.0	7.0	228.0	6.5						
	116.0	8.0	218.0	6.2						
	145.0	10.0	194.0	5.5						
	181.0	13.0	163.0	4.6						
GST-50SA-I	73.0	5.0	335.0	9.5	37/50	1650	1100	1400	1100	G11/2
	88.0	6.0	318.0	9.0						
	100.0	7.0	297.0	8.4						
	116.0	8.0	283.0	8.0						
	145.0	10.0	253.0	7.2						
	181.0	13.0	213.0	6.0						
GST-60SA-I	73.0	5.0	410.0	11.6	45/60	2160	1310	1700	1850	DN65
	88.0	6.0	386.0	10.9						
	100.0	7.0	364.0	10.3						DN50
	116.0	8.0	344.0	9.7						
	145.0	10.0	307.0	8.7						
	181.0	13.0	259.0	7.3						
GST-75SA-I	73.0	5.0	501.0	14.2	55/75	2160	1310	1700	1850	DN65
	88.0	6.0	472.0	13.4						
	100.0	7.0	445.0	12.6						DN50
	116.0	8.0	420.0	11.9						
	145.0	10.0	375.0	10.6						
	181.0	13.0	316.0	9.0						

Model	Working Pressure		Air Delivery		Motor Power	Dimension (mm)			Weight	Outlet pipe diameter
	Psig	bar	cfm	m3/min	kw/hp	L	W	H	Kg	
GST-100SA-I	73.0	5.0	683.0	19.3	75/100	2300	1355	1900	1950	DN80
	88.0	6.0	644.0	18.2						
	100.0	7.0	607.0	17.2						DN65
	116.0	8.0	573.0	16.2						
	145.0	10.0	512.0	14.5						
	181.0	13.0	431.0	12.2						
GST-120SA-I	73.0	5.0	819.0	23.2	90/120	2760	1510	1950	3200	DN80
	88.0	6.0	773.0	21.9						
	100.0	7.0	728.0	20.6						DN65
	116.0	8.0	688.0	19.5						
	145.0	10.0	614.0	17.4						
	181.0	13.0	517.0	14.7						
GST-150SA-I	73.0	5.0	1001.0	28.4	110/150	2760	1510	1950	3200	DN80
	88.0	6.0	944.0	26.7						
	100.0	7.0	890.0	25.2						DN65
	116.0	8.0	841.0	23.8						
	145.0	10.0	751.0	21.3						
	181.0	13.0	632.0	17.9						
GST-175SA-I	73.0	5.0	1201.0	34.0	132/175	3360	1910	2200	4200	DN100
	88.0	6.0	1133.0	32.1						
	100.0	7.0	1068.0	30.2						DN80
	116.0	8.0	1009.0	28.6						
	145.0	10.0	901.0	25.5						
	181.0	13.0	759.0	21.5						
GST-200SA-I	73.0	5.0	1519.0	43.0	160/200	3360	1910	2200	4200	DN100
	88.0	6.0	1433.0	40.6						
	100.0	7.0	1352.0	38.3						DN80
	116.0	8.0	1276.0	36.1						
	145.0	10.0	1136.0	32.2						
	181.0	13.0	954.0	27.0						
GST-250SA-I	73.0	5.0	1757.0	49.8	185/250	3400	2000	2200	4500	DN125
	88.0	6.0	1657.0	46.9						
	100.0	7.0	1564.0	44.3						DN100
	116.0	8.0	1475.0	41.8						
	145.0	10.0	1313.0	37.2						
	181.0	13.0	1102.0	31.2						
GST-270SA-I	73.0	5.0	1899.0	53.8	200/270	3400	2000	2200	4500	DN125
	88.0	6.0	1792.0	50.7						
	100.0	7.0	1690.0	47.9						DN100
	116.0	8.0	1595.0	45.2						
	145.0	10.0	1419.0	40.2						
	181.0	13.0	1192.0	33.8						

Double Screw Air Compressor

Model	Working Pressure		Air Delivery		Motor Power	Dimension (mm)			Weight	Outlet pipe diameter
	Psig	bar	cfm	m3/min	kw/hp	L	W	H	Kg	
GST-300SA-I	73.0	5.0	2089.0	59.2	220/300	3550	2200	2300	5000	DN125
	88.0	6.0	1971.0	55.8						
	100.0	7.0	1859.0	52.7						DN100
	116.0	8.0	1754.0	49.7						
	145.0	10.0	1561.0	44.2						
	181.0	13.0	1311.0	37.1						
GST-330SA-I	73.0	5.0	2374.0	67.2	250/330	3550	2200	2300	5000	DN125
	88.0	6.0	2240.0	63.4						
	100.0	7.0	2113.0	59.8						DN100
	116.0	8.0	1993.0	56.5						
	145.0	10.0	1774.0	50.2						
	181.0	13.0	1490.0	42.2						
GST-375SA-I	73.0	5.0	2659.0	75.3	280/375	3550	2200	2300	5000	DN150
	88.0	6.0	2508.0	71.0						
	100.0	7.0	2366.0	67.0						DN125
	116.0	8.0	2233.0	63.2						
	145.0	10.0	1987.0	56.3						
	181.0	13.0	1669.0	47.3						
GST-420SA-I	73.0	5.0	2991.0	84.7	310/420	4600	2200	2400	8000	DN150
	88.0	6.0	2822.0	79.9						
	100.0	7.0	2662.0	75.4						DN125
	116.0	8.0	2512.0	71.1						
	145.0	10.0	2236.0	63.3						
	181.0	13.0	1877.0	53.2						
GST-470SA-I	100.0	7.0	3000.0	85.0	355/470	4600	2200	2400	8000	DN150
	116.0	8.0	2831.0	80.2						
	145.0	10.0	2519.0	71.4						DN125
	181.0	13.0	2116.0	59.9						

Certification: GAC/ISO 9001:2008/IAF'BOA
Voltage: 110V~660V 50Hz/60Hz 3Ph available.

APPLICATIONS

Textile industry

Cement industry

Glass industry

Today's Date:

Notes

Thank you!