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汇通鑫达
HUITONG XINDA

Screw Air Compressor

Contents

Company Profile

Conserve energy
Create value

Serve
Improve credibility

Qingdao Huitong Xinda Air Compressor Co., Ltd. is a company specializing in screw air pressure a modern enterprise in the research and development, design, production, manufacturing and sales of shrinkage machines. As northern China one of the largest air compressor manufacturers and air system experts, Huitong Xinda owns complete mechanical manufacturing system with excellent equipment. The products of Huitong Xinda Company are fully integrated it is in line with the highest level of the most advanced high-tech and domestic manufacturing technology in Europe and the United States the industry strictly adopts and follows the international quality system certification standard and compressors the professional and modern production and management of the industry ensures that every one of Huitong Xinda Company is empty the press is efficient, reliable and technologically advanced, which makes it better than similar products unusually cost-effective.

Huitong Xinda is committed to building a professional modern air compressor production base and adheres to People-oriented, reputation first, customer-oriented service concept, loyalty, hope and partnership together with colleagues in the industry, we will jointly promote the progress of the air compressor manufacturing industry development.

XV series permanent magnet frequency conversion screw air compressor

FEATURES

① Energy-saving permanent magnet synchronous motor with high efficiency and energy saving is adopted. In view of the wide adjustment range of permanent magnet frequency conversion, new profile and exhaust port structure are applied to bring lower pressure drop and higher energy efficiency.

② The use of cost-effective frequency converter, vector frequency conversion technology, the permanent magnet frequency conversion screw machine has small impact force, stable air supply pressure, can adapt to the power grid voltage, because of which greatly reduce the failure rate of equipment.

③ Intelligent and efficient intelligent control system can continuously and accurately monitor the operation of air compressor, and real-time feedback information, but also to achieve multiple host linkage and remote control.

④ Longer life advanced air valve design, intake adjustment range of 0-100%, regulating valve adjustment, small pressure loss, stable action, longer life.

⑤ Large capacity and large capacity oil separator, superior quality oil separation original gas, liquid filter elements, with advanced three oil and gas separation, oil content control is more flexible, to ensure the high quality of compressed air.

PRODUCTS

① The essence of permanent magnet high efficiency frequency conversion is to control the rotation of motor space magnetic field.

② The stator windings generate a rotating magnetic field synchronized with the frequency of the power supply through a three-phase alternating current.

③ The basic composition of permanent magnet synchronous motor: stator winding, rotor, body.

④ The rotor is a permanent magnet made of permanent magnetic material that begins to spin under the action of a rotating magnetic field generated by the stator windings.

Model		XV-7.5G	XV-11G	XV-15G	XV-18.5G	XV-22G	XV-30G	XV-37G	XV-45G	XV-55G	XV-75G
Displacement/ Exhaust pressure	M³/Min/MPa	1.1/0.8	1.7/0.8	2.3/0.8	2.9/0.8	3.5/0.8	5.0/0.8	6.1/0.8	7.7/0.8	10.0/0.8	12.6/0.8
		0.9/1.0	1.5/1.0	2.0/1.0	2.7/1.0	3.2/1.0	4.3/1.0	5.7/1.0	7.0/1.0	8.5/1.0	11.8/1.0
		0.8/1.3	1.2/1.3	1.8/1.3	2.2/1.3	2.9/1.3	3.7/1.3	5.1/1.3	5.8/1.3	7.1/1.3	9.8/1.3
Compressed series		Single stage									
The environment temperature		-5℃-+45℃									
Cooling way		Air cooling									
Exhaust temperature	℃	55℃									
Noise	VB (A)	63±2								73±2	
Drive way		Direct drive									
Power supply	V/PH/HZ	380V/50HZ									
Rate of work	KW	7.5	11	15	18.5	22	30	37	45	55	75
Starting way		Y-▲Start									
External dimension (mm)	Length	850	1060		1190			1340		1560	1700
	Width	630	700		820			930		1100	1170
	Highly	825	980		1140			1200		1450	1540
Weight	KG	200	300	340	430	450	480	730		1120	1230
Outlet pipe diameter	imch/mm	1/2″	3/4″		1″			1 1/2″		2″	

Model		XV-90G	XV-110G	XV-132G	XV-160G	XV-185G	XV-220G	XV-250G	XV-315G	XV-355G	XV-400G
Displacement/ Exhaust pressure	M³/Min/MPa	16.0/0.8	20.0/0.8	23.1/0.8	27.0/0.8	30.0/0.8	36.4/0.8	42.5/0.8	53.5/0.8	62.4/0.8	72.5/0.8
		13.8/1.0	17.3/1.0	20.1/1.0	25.0/1.0	27.0/1.0	33.0/1.0	38.8/1.0	49.6/1.0	57.6/1.0	62.6/1.0
		12.4/1.3	14.8/1.3	18.1/1.3	22.5/1.3	25.0/1.3	26.0/1.3	32.6/1.3	42.5/1.3	46.3/1.3	55.5/1.3
Compressed series		Single stage									
The environment temperature		-5℃-+45℃									
Cooling way		Air cooling									
Exhaust temperature	℃	55℃									
Noise	VB (A)	73±2	75±2		80±2			85±2		90±2	
Drive way		Direct drive									
Power supply	V/PH/HZ	380V/50HZ									
Rate of work	KW	90	110	132	160	185	220	250	315	355	400
Starting way		Y-▲Start									
External dimension (mm)	Length	1700	2000		2400	2500	3200		3800		4200
	Width	1170	1450		1500	1600	2100		2280		2200
	Highly	1540	1830		1970	2050	2450		2248		2350
Weight	KG	1280	1800	2000	3900	4100	4300	4600	6500	7000	7500
Outlet pipe diameter	imch/mm	2″	2-1/2″		DN80	DN80	DN100		DN125		DN150

HD series power frequency screw air compressor

PRODUCTS

① Screw host: the world's first linear rotor to achieve volume maximum rate, high rotor strength, up to exhaust to the world's advanced level and durability is ensuring that it is being raised it can be used permanently.

② Plate-wing cooler: high effect-effect fin-type large heat transfer area cold However, the heat transfer surplus is 30% Cooling is better, and it can be found in the ring Normal work at 45° temperature do it.

③ High efficiency air filter: high Effect filter, large filter area, The pressure drop is small, and the service life is as high as 4000h. Oil filter: first used High-efficiency oil filter, ultra-low Pressure-relief design with a service life of up to 4000h for effective lubrication protection Bearings and yin-yang rotors.

④ Energy-saving integrated air intake valve system: electric Solenoid valve, discharge valve, air replenishment valve height set; special structural design to make air intake: The valve start load is greatly reduced; it has Stop function, work in emergency downtime In a condition, there will be no fuel injection; it has unloading.The replenishment function can effectively eliminate the main Air corrosion noise caused by the compressor.

⑤ Convenient and reliable pipeline docking:All pipelines in the machine are connected.It is sealed with a silicone fluoride rubber ring.It has ultra-high oil and pressure resistance.Performance, easy to remove the connectors In service.

FEATURES

① Convenient installation and maintenance, oil pollution resistance and corrosion resistance.

② Reliable direct transmission, using elastic coupling and center bracket to combine the motor and the mainframe Body ensures that the motor and the mainframe are permanently centered in transportation, installation and operation, and reduces the starting torque Achieve the lowest energy consumption and minimum maintenance workload.

③ Compact structure and high transmission efficiency can effectively improve the efficiency of the air compressor and save energy.

④ It ensures an accurate transmission ratio, and has high damping and vibration absorption characteristics. It has strong vibration suppression ability To effectively eliminate the vibration and impact generated by the host.

Model		HD-7.5G	HD-11G	HD-15G	HD-18.5G	HD-22G	HD-30G	HD-37G	HD-45G	HD-55G	HD-75G
Displacement/ Exhaust pressure	M³/Min/MPa	1.1/0.8	1.7/0.8	2.3/0.8	2.9/0.8	3.5/0.8	5.0/0.8	6.1/0.8	7.7/0.8	9.5/0.8	12.6/0.8
		0.9/1.0	1.5/1.0	2.0/1.0	2.7/1.0	3.2/1.0	4.3/1.0	5.7/1.0	7.0/1.0	8.5/1.0	11.8/1.0
		0.8/1.3	1.2/1.3	1.8/1.3	2.2/1.3	2.9/1.3	3.7/1.3	5.1/1.3	5.8/1.3	7.1/1.3	9.8/1.3
Compressed series		Single stage									
The environment temperature		-5℃-+45℃									
Cooling way		Air cooling									
Exhaust temperature	℃	55℃									
Noise	dB（A）	63±2								73±2	
Drive way		Direct drive									
Power supply	D/PH/HZ	380D/50HZ									
Rate of work	KW	7.5	11	15	18.5	22	30	37	45	55	75
Starting way		Y-▲Start									
External dimension (mm)	Length	850	1060		1190			1340		1560	1700
	Width	630	700		820			930		1100	1170
	Highly	825	980		1140			1200		1450	1540
Weight	KG	200	300	340	430	450	480	730		1120	1230
Outlet pipe diameter	imch/mm	1/2″	3/4″		1″			1 1/2″		2″	

Model		HD-90G	HD-110G	HD-132G	HD-160G	HD-185G	HD-220G	HD-250G	HD-315G	HD-355G	HD-400G
Displacement/ Exhaust pressure	M³/Min/MPa	16.0/0.8	20.0/0.8	23.1/0.8	27.0/0.8	30.0/0.8	36.4/0.8	42.5/0.8	53.5/0.8	62.4/0.8	72.5/0.8
		13.8/1.0	17.3/1.0	20.1/1.0	25.0/1.0	27.0/1.0	33.0/1.0	38.8/1.0	49.6/1.0	57.6/1.0	62.6/1.0
		12.4/1.3	14.8/1.3	18.1/1.3	22.5/1.3	25.0/1.3	26.0/1.3	32.6/1.3	42.5/1.3	46.3/1.3	55.5/1.3
Compressed series		Single stage									
The environment temperature		-5℃-+45℃									
Cooling way		Air cooling									
Exhaust temperature	℃	55℃									
Noise	dB（A）	73±2	75±2		80±2			85±2		90±2	
Drive way		Direct drive									
Power supply	D/PH/HZ	380D/50HZ									
Rate of work	KW	90	110	132	160	185	220	250	315	355	400
Starting way		Y-▲Start									
External dimension (mm)	Length	1700	2000		2400	2500	3200		3800		4200
	Width	1170	1450		1500	1600	2100		2280		2200
	Highly	1540	1830		1970	2050	2450		2248		2350
Weight	KG	1280	1800	2000	3900	4100	4300	4600	6500	7000	7500
Outlet pipe diameter	imch/mm	2″	2-1/2″		DN80	DN80	DN100		DN125		DN150

HV series permanent magnet frequency conversion screw air compressor

FEATURES

① Energy-saving permanent magnet synchronous motor with high efficiency and energy saving is adopted. In view of the wide adjustment range of permanent magnet frequency conversion, new profile and exhaust port structure are applied to bring lower pressure drop and higher energy efficiency.

② The use of cost-effective frequency converter, vector frequency conversion technology, the permanent magnet frequency conversion screw machine has small impact force, stable air supply pressure, can adapt to the power grid voltage, because of which greatly reduce the failure rate of equipment.

③ Intelligent and efficient intelligent control system can continuously and accurately monitor the operation of air compressor, and real-time feedback information, but also to achieve multiple host linkage and remote control.

④ Longer life advanced air valve design, intake adjustment range of 0-100%, regulating valve adjustment, small pressure loss, stable action, longer life.

⑤ Large capacity and large capacity oil separator, superior quality oil separation original gas, liquid filter elements, with advanced three oil and gas separation, oil content control is more flexible, to ensure the high quality of compressed air.

PRODUCTS

① The essence of permanent magnet high efficiency frequency conversion is to control the rotation of motor space magnetic field.

② The stator windings generate a rotating magnetic field synchronized with the frequency of the power supply through a three-phase alternating current.

③ The basic composition of permanent magnet synchronous motor: stator winding, rotor, body.

④ The rotor is a permanent magnet made of permanent magnetic material that begins to spin under the action of a rotating magnetic field generated by the stator windings.

Model		HV-7.5G	HV-11G	HV-15G	HV-18.5G	HV-22G	HV-30G	HV-37G	HV-45G	HV-55G	HV-75G
Displacement/ Exhaust pressure	M³/Min/MPa	1.1/0.8	1.7/0.8	2.3/0.8	2.9/0.8	3.5/0.8	5.0/0.8	6.1/0.8	7.7/0.8	10.0/0.8	12.6/0.8
		0.9/1.0	1.5/1.0	2.0/1.0	2.7/1.0	3.2/1.0	4.3/1.0	5.7/1.0	7.0/1.0	8.5/1.0	11.8/1.0
		0.8/1.3	1.2/1.3	1.8/1.3	2.2/1.3	2.9/1.3	3.7/1.3	5.1/1.3	5.8/1.3	7.1/1.3	9.8/1.3
Compressed series		Single stage									
The environment temperature		-5℃-+45℃									
Cooling way		Air cooling									
Exhaust temperature	℃	55℃									
Noise	VB（A）	63±2								73±2	
Drive way		Direct drive									
Power supply	V/PH/HZ	380V/50HZ									
Rate of work	KW	7.5	11	15	18.5	22	30	37	45	55	75
Starting way		Y-▲Start									
External dimension (mm)	Length	850	1060		1190			1340		1560	1700
	Width	630	700		820			930		1100	1170
	Highly	825	980		1140			1200		1450	1540
Weight	KG	200	300	340	430	450	480	730		1120	1230
Outlet pipe diameter	imch/mm	1/2″	3/4″		1″			1 1/2″		2″	

Model		HV-90G	HV-110G	HV-132G	HV-160G	HV-185G	HV-220G	HV-250G	HV-315G	HV-355G	HV-400G
Displacement/ Exhaust pressure	M³/Min/MPa	16.0/0.8	20.0/0.8	23.1/0.8	27.0/0.8	30.0/0.8	36.4/0.8	42.5/0.8	53.5/0.8	62.4/0.8	72.5/0.8
		13.8/1.0	17.3/1.0	20.1/1.0	25.0/1.0	27.0/1.0	33.0/1.0	38.8/1.0	49.6/1.0	57.6/1.0	62.6/1.0
		12.4/1.3	14.8/1.3	18.1/1.3	22.5/1.3	25.0/1.3	26.0/1.3	32.6/1.3	42.5/1.3	46.3/1.3	55.5/1.3
Compressed series		Single stage									
The environment temperature		-5℃-+45℃									
Cooling way		Air cooling									
Exhaust temperature	℃	55℃									
Noise	VB（A）	73±2	75±2		80±2			85±2		90±2	
Drive way		Direct drive									
Power supply	V/PH/HZ	380V/50HZ									
Rate of work	KW	90	110	132	160	185	220	250	315	355	400
Starting way		Y-▲Start									
External dimension (mm)	Length	1700	2000		2400	2500	3200		3800		4200
	Width	1170	1450		1500	1600	2100		2280		2200
	Highly	1540	1830		1970	2050	2450		2248		2350
Weight	KG	1280	1800	2000	3900	4100	4300	4600	6500	7000	7500
Outlet pipe diameter	imch/mm	2″	2-1/2″		DN80	DN80	DN100		DN125		DN150

Screw air compressor for laser cutting

◎ Special screw air compressor

FEATURES

The HD series:

① High efficiency motor direct drive screw main machine, high transmission efficiency, energy saving more than 15 % than similar products.

② Compact structure, more convenient maintenance.

The HV series:

① Adopt high efficiency permanent magnet frequency conversion motor direct drive screw host, adjust according to the size of gas consumption, more energy saving.

② Intelligent frequency converter is used to control the frequency of permanent magnet motor and continuously and accurately adjust the motor speed, so as to achieve better control.

Model		HD-11/13G	HD-11/16G	HD-15/13G	HD-15/16G	HD-22/13G	HD-22/16G	HD-37/13G	HD-37/16G	HD-45/13G	HD-45/16G
Displacement	M³/Min	1.4	1.2	1.7	1.5	3.0	2.6	5	3.6	5.8	4.1
Exhaust pressure	MPa	1.3	1.6	1.3	1.6	1.3	1.6	1.3	1.6	1.3	1.6
Power supply	V/PH/HZ	380V/50HZ									
Rate of work	KW	11	11	15	15	22	22	37	37	45	45
External dimension (mm)	Length	1060				1190		1340			
	Width	700				820		930			
	Highly	980				1140		1200			
Weight	KG	330		350		480		760			
Outlet pipe diameter	imch/mm	3/4″				1″		1-1/2″			

All in one compressor for laser cutting

◎ Cold and dry all in one machine

FEATURES

① Integrated design, greatly saving customer installation cost and use space, beautiful appearance.

② New modular structure design, compact layout; Ready-to-use, easy to move.

③ Integrated piping system reduces unit failures and leakage and greatly reduces pressure loss.

④ Direct discharge of dry compressed air, fully ensure the user terminal gas quality.

Model		HD-7.5Y/13	HD-7.5Y/16	HD-11Y/13	HD-11Y/16	HD-15Y/13	HD-15Y/16	HD-22Y/13	HD-22Y/16	HD-37Y/13	HD-37Y/16
Displacement	M³/Min	1.4	1.2	1.4	1.2	1.7	1.5	3.0	2.6	5	3.6
Exhaust pressure	MPa	1.3	1.6	1.3	1.6	1.3	1.6	1.3	1.6	1.3	1.6
Power supply	V/PH/HZ	380V/50HZ									
Rate of work	KW	7.5	7.5	11	11	15	15	22	22	30	30
External dimension (mm)	Length	1500		1900				2200		2500	
	Width	730		750				800		900	
	Highly	1350		1650				1750		2050	
Weight	KG	420	420	480	480	500	500	650		800	
Outlet pipe diameter	imch/mm	1″		1″		1″		1″		1-1/2″	

HZ series screw machine

PRODUCTS

① High-efficiency and energy-saving permanent magnet rare earth synchronous motor
Neodymium iron alloy permanent magnet technology, no excitation loss, small rotor inertia, fast response speed, open-loop control, high feedback adjustment accuracy, shorter response time;

② wideband frequency conversion control system
Make energy saving more complete, constant pressure air supply, and maintain a 0.1 bar change in air supply under load; when the air volume changes, the speed change is automatically compensated to achieve maximum energy saving.;

③ Adopt intelligent frequency conversion control technology to achieve stepless speed regulation, eliminate unloading power loss, and intelligent gas supply.

④ Adopt the latest generation of high-efficiency mainframe with integrated shaft structure, compact and stable, and high energy efficiency.

FEATURES

① The essence of permanent magnet high efficiency frequency conversion is to control the rotation of motor space magnetic field.
② The stator windings generate a rotating magnetic field synchronized with the frequency of the power supply through a three-phase alternating current.
③ The basic composition of permanent magnet synchronous motor: stator winding, rotor, body.
④ The rotor is a permanent magnet made of permanent magnetic material that begins to spin under the action of a rotating magnetic field generated by the stator windings.

Model		HZ-7.5G	HZ-11G	HZ-15G	HZ-18.5G	HZ-22G	HZ-30G	HZ-37G	HZ-45G	HZ-55G	HZ-75G
Displacement/ Exhaust pressure	M³/Min/MPa	1.3/0.8	1.9/0.8	2.5/0.8	3.1/0.8	3.7/0.8	5.1/0.8	6.3/0.8	8.0/0.8	10.2/0.8	12.9/0.8
		1.0/1.0	1.6/1.0	2.1/1.0	2.8/1.0	3.3/1.0	4.4/1.0	5.8/1.0	7.2/1.0	8.6/1.0	12.0/1.0
		0.9/1.3	1.3/1.3	1.9/1.3	2.3/1.3	3.0/1.3	3.7/1.3	5.1/1.3	6.0/1.3	7.2/1.3	10.0/1.3
Compressed series		Single stage									
The environment temperature		-5℃-+45℃									
Cooling way		Air cooling									
Exhaust temperature	℃	55℃									
Noise	dB (A)	63±2								73±2	
Drive way		Direct drive									
Power supply	V/PH/HZ	380V/50HZ									
Rate of work	KW	7.5	11	15	18.5	22	30	37	45	55	75
Starting way		Y-▲Start									
External dimension (mm)	Length	850	1080		1260			1430	1430	1560	1700
	Width	650	750		850			1000	1000	1150	1220
	Highly	860	1030		1160			1230	1230	1440	1540
Weight	KG	210	320	340	450	470	480	760	780	1200	1340
Outlet pipe diameter	imch/mm	1/2″	3/4″		1″			1 1/2″		2″	

Model		HZ-90G	HZ-110G	HZ-132G	HZ-160G	HZ-185G	HZ-220G	HZ-250G	HZ-315G	HZ-355G	HZ-400G
Displacement/ Exhaust pressure	M³/Min/MPa	16.2/0.8	19.8/0.8	23.1/0.8	27.3/0.8	30.2/0.8	36.6/0.8	43.1/0.8	54.1/0.8	63.1/0.8	73.1/0.8
		14.0/1.0	17.4/1.0	20.2/1.0	25.3/1.0	27.3/1.0	33.5/1.0	38.8/1.0	49.6/1.0	57.6/1.0	62.6/1.0
		12.6/1.3	14.9/1.3	18.2/1.3	22.7/1.3	25.1/1.3	30.5/1.2	34.6/1.2	43.5/1.2	49.3/1.2	56.5/1.2
Compressed series		Single stage									
The environment temperature		-5℃-+45℃									
Cooling way		Air cooling									
Exhaust temperature	℃	55℃									
Noise	dB (A)	73±2	75±2		80±2			85±2		90±2	
Drive way		Direct drive									
Power supply	V/PH/HZ	380V/50HZ									
Rate of work	KW	90	110	132	160	185	220	250	315	355	400
Starting way		Y-▲Start									
External dimension (mm)	Length	1700	1900		2400	2500	3200		3800		4200
	Width	1170	1400		1500	1600	2100		2280		2200
	Highly	1540	1820		1970	2050	2450		2248		2350
Weight	KG	1280	1800	2000	3900	4100	4300	4600	6500	7000	7500
Outlet pipe diameter	imch/mm	2″	2-1/2″		DN80	DN80	DN100		DN125		DN150

Qichuang Series screw air compressor

PRODUCTS

① The air pressure is stable, more energy-saving, no impact on start-up, low noise, automatic sleep, reduced mechanical wear, extended motor life, reduced operating costs, improved pressure control accuracy, and increased productivity

② The permanent magnet motor and the compressor host adopt an embedded integrated shaft direct connection structure, which has a more compact structure and high transmission efficiency.

③ Most of the working conditions of the frequency conversion system are lower than the rated speed, and the mechanical noise and wear of the host are reduced, which extends the maintenance and service life.

④ Low noise: the contact area with the ground is small, which reduces the resonance with the ground when the air compressor is running, thereby reducing noise

FEATURES

① Convenient installation and maintenance,oil pollution resistance and corrosion resistance.

② Reliable direct transmission, using elastic coupling and center bracket to combine the motor and the mainframe Body ensures that the motor and the mainframe are permanently centered in transportationinstallation and operation, and reduces the starting torque Achieve the lowest energy consumption and minimum maintenance workload.

③ Compact structure and high transmission efficiency can effectively improve the efficiency of the air compressor and save energy.

④ It ensures an accurate transmission ratio, and has high damping and vibration absorption characteristics. It has strong vibration suppression ability To effectively eliminate the vibration and impact generated by the host.

Model		QC-7.5G	QC-11G	QC-15G	QC-18.5G	QC-22G	QC-30G	QC-37G	QC-45G	QC-55G	QC-75G
Displacement/ Exhaust pressure	M³/Min/MPa	1.1/0.8	1.7/0.8	2.3/0.8	2.9/0.8	3.5/0.8	5.0/0.8	6.1/0.8	7.7/0.8	9.5/0.8	12.6/0.8
		0.9/1.0	1.5/1.0	2.0/1.0	2.7/1.0	3.2/1.0	4.3/1.0	5.7/1.0	7.0/1.0	8.5/1.0	11.8/1.0
		0.8/1.3	1.2/1.3	1.8/1.3	2.2/1.3	2.9/1.3	3.7/1.3	5.1/1.3	5.8/1.3	7.1/1.3	9.8/1.3
Compressed series		Single stage									
The environment temperature		-5℃-+45℃									
Cooling way		Air cooling									
Exhaust temperature	℃	55℃									
Noise	dB（A）	63±2								73±2	
Drive way		Direct drive									
Power supply	V/PH/QC	380V/50QC									
Rate of work	KW	7.5	11	15	18.5	22	30	37	45	55	75
Starting way		Y-▲Start									
External dimension (mm)	Length	850	1060		1190			1340	1430	1560	1700
	Width	700	820		850			1000	1000	1150	1220
	Highly	980	1150		1240			1300	1230	1440	1540
Weight	KG	210	320	340	450	470	480	760	780	1200	1340
Outlet pipe diameter	imch/mm	1/2″	3/4″		1″			1 1/2″		2″	

Model		QC-90G	QC-110G	QC-132G	QC-160G	QC-185G	QC-220G	QC-250G	QC-315G	QC-355G	QC-400G
Displacement/ Exhaust pressure	M³/Min/MPa	16.0/0.8	19.4/0.8	23/0.8	27.0/0.8	30.0/0.8	36.4/0.8	42.5/0.8	53.5/0.8	62.4/0.8	72.5/0.8
		13.8/1.0	17.3/1.0	20/1.0	25.0/1.0	27.0/1.0	33.0/1.0	38.8/1.0	49.6/1.0	57.6/1.0	62.6/1.0
		12.4/1.3	14.8/1.3	18/1.3	22.5/1.3	25.0/1.3	30.5/1.2	34.6/1.2	43.5/1.2	49.3/1.2	56.5/1.2
Compressed series		Single stage									
The environment temperature		-5℃-+45℃									
Cooling way		Air cooling									
Exhaust temperature	℃	55℃									
Noise	dB（A）	73±2	75±2		80±2			85±2		90±2	
Drive way		Direct drive									
Power supply	V/PH/QC	380V/50QC									
Rate of work	KW	90	110	132	160	185	220	250	315	355	400
Starting way		Y-▲Start									
External dimension (mm)	Length	1700	1900		2400	2500	3200		3800		4200
	Width	1170	1400		1500	1600	2100		2280		2200
	Highly	1540	1820		1970	2050	2450		2248		2350
Weight	KG	1280	1800	2000	3900	4100	4300	4600	6500	7000	7500
Outlet pipe diameter	imch/mm	2″	2-1/2″		DN80	DN80	DN100		DN125		DN150

Permanent magnet frequency conversion two-stage compression screw air compressor

1.Two stage compression process

Natural air is passed through an air filter into the first stage of compression, where it is mixed with a small amount of lubricating oil in the compression chamber while the mixture is compressed to the interstage pressure.

⇩

The compressed gas enters the cooling channel and comes into contact with a large amount of oil mist, thus greatly reducing the temperature.

⇩

The cooled compressed gas enters the second stage rotor for secondary compression and is compressed to the final exhaust pressure.

⇩

Finally, the compressor is discharged through the exhaust flange to complete the compression process.

2.Two stage compression technology advantages

The use of two-stage compression to improve the energy efficiency of the compressor is based on the following two main reasons:

① One is lower for each level of compression ratio, increase the volumetric efficiency, reduce the each level of internal and external leakage, 2 it is in the mixture of oil and gas in the primary exhaust before entering the secondary suction, can be fully mixed, have the effect of interstage cooling, the more fully mixing of oil and gas mixing station into the compressor secondary compressing, also that the secondary compression process is more close to the isothermal process, Improve the energy efficiency of the compressor. The first stage compressor rotor and the second stage compressor rotor are combined in one housing, and are directly driven by helical gear respectively, so that each stage rotor can obtain the best linear speed and the highest compression transfer efficiency.

② The compression ratio of each stage of compression is precisely designed to reduce bearing and gear loads. Small compression ratio per stage, smaller leakage, high volume efficiency.

③ Two-stage compression reduces the compression ratio of each stage, reduces internal leakage, improves volumetric efficiency, reduces bearing load, and improves the life of the main engine.

Model		HV-15ⅡG	HV-18.5ⅡG	HV-22ⅡG	HV-30ⅡG	HV-37ⅡG	HV-45ⅡG	HV-55ⅡG	HV-75ⅡG	HV-90ⅡG	HV-110ⅡG	HV-132ⅡG	HV-160ⅡG	HV-185ⅡG	HV-200ⅡG	HV-220ⅡG
Displacement/ Exhaust pressure	M³/Min/MPa	2.8/0.8	3.5/0.8	4.1/0.8	6.3/0.8	7.1/0.8	9.7/0.8	12.0/0.8	16.5/0.8	16.5/0.8	23.1/0.8	28.0/0.8	33.6/0.8	38.4/0.8	43.0/0.8	47.0/0.8
		2.4/1.0	2.9/1.0	3.5/1.0	4.9/1.0	5.8/1.0	7.8/1.0	9.6/1.0	12.5/1.0	12.5/1.0	19.7/1.0	23.5/1.0	30.0/1.0	32.5/1.0	38.5/1.0	41.0/1.0
		2.2/1.3	2.5/1.3	3.2/1.3	4.2/1.3	5.4/1.3	6.5/1.3	8.6/1.3	11.2/1.3	11.2/1.3	17.6/1.3	19.8/1.3	23.8/1.3	28.6/1.3	32.8/1.3	38.0/1.3
Compressed series		Two stage														
The environment temperature		-5℃-+45℃														
Cooling way		Air cooling														
Exhaust temperature	℃	55℃														
Noise	dB（A）	66±2			68±2		73±2			75±2		75±2	80±2	80±2	80±2	85±2
Drive way		Direct drive														
Power supply	V/PH/HZ	380V/50HZ														
Rate of work	KW	15	18.5	22	30	37	45	55	75	90	110	132	160	185	200	220
Starting way		Frequency conversion start														
External dimension (mm)	Length	1400			1550		2100	2100		2650		2900	3000	3688		3880
	Width	950			1130		1380	1380		1550		1880	1800	2000		2260
	Highly	1200			1280		1760	1760		1980		2160	1985	2000		2300
Weight	KG	680	700	760	950	980	1980	2180	2280	3200	3300	3400	3850	4980	5390	6500
Outlet pipe diameter	imch/mm	1″			1 1/2″		2″	2″		2-1/2″		DN80	DN80	DN100	DN100	DN125

Low-pressure screw air compressor

PRODUCTS

Low-pressure screw air compressor series has changed the traditional compressor with high pressure, the compressed air discharged from the compressor is decompressed, and then transmitted to the gas equipment. Low pressure host system, according to the use of pressure, automatically adjust the compression ratio, in the range of 0.3-0.5mpa exhaust pressure, can maintain the best effect, can achieve more than 30% electricity savings. Low-pressure screw air compressor can be configured according to the user's air pressure, use the least amount of energy to meet the process system process, save a lot of energy, and the manufacturing cost of the product will be considerably improved. Choose our low-pressure screw air compressor, find the right pressure, and then less than half of the electricity, the gas supply pressure in the process system can still be guaranteed, and achieve energy conservation and emission reduction.

FEATURES

- Huitong Xinda green energy-saving series low-pressure screw air compressor, compared with the ordinary 0.8mpa screw machine to save more than 30% of the electricity, greatly reduce the production cost and carbon emissions of customers.
- Widely used in low pressure and high air volume equipment, is your best choice. Optimum specific power is maintained in the range of 0.3-0.6mpa exhaust pressure.

Model		HL-45G	HL-55G	HL-75G	HL-90G	HL-110G	HL-132G	HL-150G	HL-160	HL-170
Displacement	M³/Min	11.5	14.7	19.2	24.2	27.2	32.5	38.0	40.7	44.0
Exhaust pressure	Mpa	4-5								
Compressed series		Single stage								
The environment temperature		- 5℃-+45℃								
Cooling way		Air cooling								
Exhaust temperature	℃	55℃								
Noise	dB (A)	72±2			76±2			80±2		
Drive way		Direct drive								
Power supply	V/PH/HZ	380V 50HZ								
Rate of work	KW	45	55	75	90	110	132	150	160	170
Starting way		Y-▲ Start								
External dimension (mm)	Length	1560	1750		1950	2300		2850		
	Width	1150	1220		1420	1600		1900		
	Highly	1440	1580		1850	1900		2400		
Weight	KG	1160	1220	1280	1340	1480	1550	2000	2100	2300
Outlet pipe diameter	imch/mm	1160	2″		2-1/2″	DN65		DN125		