冰轮环境
MOON-TECH

智慧 / 绿能 / 生态
INTELLIGENT GREEN ENERGY ECOLOGY

SCREW REFRIGERATION COMPRESSOR UNIT

Single-Stage Screw Refrigeration Compressor Unit

Compound Two-Stage Screw Refrigeration Compressor Unit

Skid-Mounted Separate Two-Stage Screw Compressor Unit

冰轮环境技术股份有限公司
MOON ENVIRONMENT TECHNOLOGY CO.,LTD.

With continuous technological and manage has promoted the continuous optimization of resource allocation and reconstruction of core competencies, Moon-TECH accelerated international expansion transformation. We have transformed from a traditional manufacturing enterprise to a modern service-oriented enterprise with strong competitiveness, large scale, wide coverage, complete business chain, and strong comprehensive research and development capabilities


Industrial Park in the US


Malaysian Industrial Park


Industrial Park in the UK


Vietnam Industrial Park


Baoding Industrial Park


Guxian Industrial Park


Laishan Industrial Park


Jinan Center

Low-temperature refrigeration

Central air-conditioning

Environmentally friendly heating

Energy and chemical equipment

Precision Casting

Hydrogen Energy Development

Smart Services

Intelligent Packing Machinery and Warehouse Storage System

With devoting to improving the quality of human life as the enterprise mission, MOON-TECH continuously build and enhance competitive advantages in the field of comprehensive energy utilization and accelerate the process of globalization, taking the revitalization of national industry and achievement of customer value as its responsibility, continuously creates and improves its competitive advantage, striving to become an evergreen enterprise with core competitiveness, loved by employees and respected by industrial partners.

MOON-TECH

(Stock Code of 000811)

Founded in 1956, Moon Environment Technology Co., Ltd (Stock Code: 000811). is a diversified and international comprehensive equipment industrial enterprise. The main business covers low-temperature refrigeration, central air conditioning, environmental protection heating, energy and chemical equipment, precision castings, smart services, hydrogen energy development, etc. In recent years, MOON-TECH has successively won the titles of Top 30 Enterprises with Core Competitiveness in China's Machinery Industry, Top 100 Enterprises of National Machinery Industry, Meritorious Enterprise of Equipment in China, and Demonstration Enterprise for Ozone Layer Protection.

For a longtime, with continuous technological and manage has promoted the continuous optimization of resource allocation and reconstruction of core competencies, accelerated international expansion transformation. We have transformed from a traditional manufacturing enterprise to a modern service-oriented enterprise with strong competitiveness, large scale, wide coverage, complete business chain, and strong comprehensive research and development capabilities

With the synchronous development of refrigeration and heat treatment, and actively expanding energy-saving and environmental protection industry as developing strategy, MOON-TECH is engaged in the technical research and development of low-temperature environment, waste heat recovery, gas compression, industrial heat exchange, urban clean emission and other fields, as well as the production and sales of related complete sets of equipment, and specializes in food refrigeration, chemical process cooling, comfortable environment air conditioning, research temperature control, process gas compression, building aggregated cooling, comprehensive application of heat energy, permafrost drilling, waste treatment, tec. MOON-TECH has production bases, scientific research centers and marketing& service organizations in more than 40 countries around the world. With safe, environmentally friendly, energy-saving, intelligent and Butler-style system integration capabilities, MOON-TECH is providing products with entire product life cycle to users in more than 120 countries and regions around the world.

MOON-TECH has 6 national scientific and technological innovation platforms including the National-Recognized Enterprise Technology Center and 16 provincial scientific and technological innovation platforms including the Shandong Provincial Key Laboratory of Energy Saving and Environmental Protection of Refrigeration Equipment. MOON-TECH has been recognized as a key high-tech enterprise of the China Torch Program, with 326 national patented technologies, and has hosted and participated in the formulation of 25 national standards and 37 industry standards. MOON-TECH has won two national awards, the National Science & Technology Progress Award and the National Technology Invention Award, and has successively won 213 provincial and ministerial scientific and technological achievements awards such as the Special Prize for Scientific and Technological Progress of the Chinese Association of Refrigeration and the First Prize for Scientific and Technological Progress of Shandong Province.

Following the requirements of the environmental policy of harmonious coexistence between human and nature, MOON-TECH is committed to the innovation of artificial environment control technology and comprehensive energy utilization technology to promote a simple, moderate, green and low-carbon mode of social production and operating system, actively building an interconnected and complementary system, including refrigeration, heating, water, gas, electricity, sewage, waste within the -271 ℃ -200 ℃ temperature and 0-90Mpa pressure range, aiming to achieve an energy ecological link between industrial parks and living spaces, and become an intelligent green energy system solution service provider. MOON-TECH also dedicates to develop the utilizations of NH3、CO2、HC、He、H2O and other environmentally friendly substances application technologies, striving to provide professional, high value-added intelligent energy comprehensive utilization solutions.

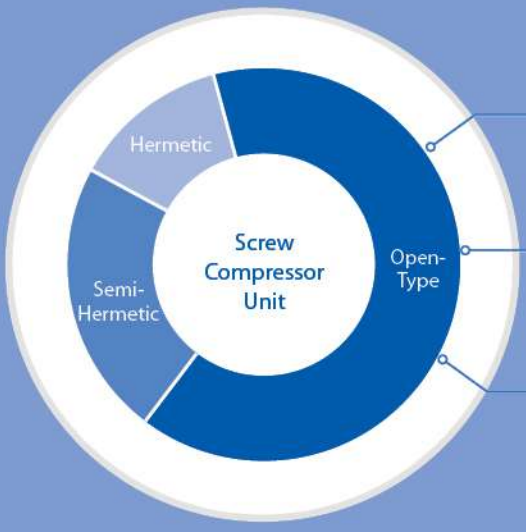
In recent years, MOON-TECH actively actualized the green and low-carbon developing concept, accelerating the transformation of traditional industries around the dual-carbon goal and energy revolution, promoting the upgrading of the industrial structure to a low-carbon and high-quality level, and set six goals of "low-carbon industry, low-carbon technology, low-carbon manufacturing, low-carbon chain, low-carbon services, low-carbon culture", so as to ultimately realize the industrial structure of high-end, low-carbon consumption of energy, utilization of resources recycling, cleanliness of the production process, and to contribute to the realization of dual-carbon target.

Product Description

With more than 60 years of manufacturing experience in refrigeration and air-conditioning equipment and continuous technical research and development capabilities, MOON Environment Technology Co., Ltd., after years of joint research on production, teaching and research, has carried out innovative experimental studies on the theoretical research of thermal and dynamic performance of compressors and the visualization of practical work process, pressure pulsation, rotor force and oil distribution, which accurately revealed the internal laws between the design parameters such as rotor profile and orifice position and the thermal and dynamic performance of the screw compressor, forming a complete screw compressor design theory. On this basis, MOON-TECH developed a series of new efficient screw compressor units with more than 10 independent intellectual property rights and core technology.

MOON-TECH screw refrigeration compressor series products are widely used in the fields requiring artificial low temperature environments such as food freezing and refrigeration, chemical process cooling, gas pressurization and liquefaction, building aggregate cooling, temperature control of scientific research, exploration of frozen soil, sports venues, mine heat treatment, etc.

Since the advent of the LG series of high-efficiency screw compressors, they have been well-received by users at home and abroad for their great performance and reliability. The series products have won the First Prize for Scientific and Technological Progress of Shandong Province, First Prize for Scientific and Technological Progress of Ministry of Education, Special Award of Scientific and Technological Progress of Chinese Association of Refrigeration and Second Prize for National Scientific and Technological in 2006. MOON-TECH continues to carry out scientific research, and has made key breakthroughs in working media, operating conditions, energy efficiency indicators, etc., and successfully achieved the transformation and upgrading of screw compressor manufacturing and application. The project of "Key Technologies R&D and Application of Screw Compressor with Special Medium under Extreme Working Conditions" won the First Prize for Scientific and Technological Progress of Year 2019 China Machinery Industry.



Single-Stage Screw Refrigeration Compressor Unit

Covers 20 Basic Series Products Including 12M-50L

Compound Two-Stage Screw Refrigeration Compressor Unit

Covers 4 Basic Series Products Including LG1612MM-LG3225LS

Skid-Mounted Separate Two-Stage Screw Compressor Unit

Covers LG16M12M-LG40M32M And Other Matching Products

High-Grade, Precision and Advanced Machining and Testing Equipment

Flexible Machining Center

Flexible Machining Center

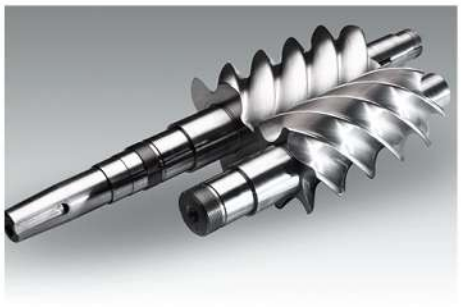
Rotor Machining and Production Line

Rotor Finishing Center

Comprehensive Performance Test Center

Trilinear Coordinates Measuring Instrument

New Design



Rotor

●The mature and stable profile design with independent intellectual property rights (bilateral asymmetric full arc envelope profile) is more suitable for grinding processing, and the line seal is changed to a belt seal to effectively control the meshing gap;
●Optimize the number of teeth combination according to the rotor diameter, the tooth height coefficient, peak height coefficient, diameter and draw ratio, lead and torsion angle form a reasonable tooth matching;
●It is machined by high-precision British and German CNC grinding machines.

Suction and Exhaust

The suction and exhaust ports are processed by national patented irregular corrugated mechanical noise reduction technology, which has lower resistance, less pressure loss and significantly reduces noise.

Energy Regulating

●The patented spool valve is used to ensure the design of best area of thrust surface ratio, and the adjustment is rapid and sensitive;
●Achieve energy regulation in the maximum range of 10-100%.

Variable Frequency and Variable Capacitance

During part load operation, it is controlled by frequency conversion, which can realize stepless automatic adjustment of the internal volume ratio according to the operating conditions, so that the compressor operates efficiently.

Oil Separation

The national patented oil and gas separator is used to achieve multiple impact separation, gravity separation, replaceable accumulation filter element separation and other means, and the gas oil content is lower than 5PPM.

Lubrication System

The oil circulation system combining forced oil supply and differential pressure oil supply has excellent lubrication, sealing, cooling and noise reduction performance.

Oil Cooling

The oil cooler adopts the refrigerant cooling method, applying the national patented high-efficiency heat exchange tube, integrated high-precision baffle plate, reasonable oil flow rate design and other technologies, which greatly improves the heat exchange efficiency, small in size and light in weight. The heat exchange is stable and reliable.

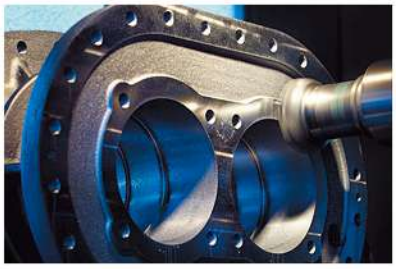
Material

Select the best materials for the housing and rotor based on the use conditions and design standards.

High Quality Components Ensures Quality

Housing

The brand-new metal mold has higher casting accuracy; the 3D technology is used to print the mold, and the production is more flexible and faster; the key parts are processed by advanced Japanese and German machining centers to ensure the machining accuracy.



Shaft Seal

Adopt specialized mechanical seal for refrigeration, hydraulic balance design on the end face, reliable driving mechanism, computer finite element analysis auxiliary seal cooling structure design, silicon carbide seal material, simple structure, convenient installation, excellent sealing, more suitable for changing working conditions.

Bearing

The thrust bearing used is imported high-precision and low-temperature special bearing, which is non-corrosive, anti-aging, high temperature resistant and high precision, which ensures the accurate positioning of the rotor for a long time; the radial support uses sliding bearings (also known as hydrodynamic bearings), and the shaft runs on the oil film. There is no mechanical wear, and the theoretical bearing life is unlimited. There is unique advantage, especially in large screw compressors or large differential pressure working conditions.

Sealing Element

The original imported seals are used and the sealing materials are determined by the refrigerant. The sealing of each component is more reliable.

Motor

- Professionally customized high-efficiency three-phase asynchronous motors comply with national standards and save energy and reduce consumption. The structure is reasonable, the efficiency is high, and the noise is low. The voltage and frequency can be customized according to user needs.
- Relying on the data accumulation of the national-level test center for many years, the motor power is accurately selected, and the complete motor power spectrum keeps the motor efficiency running at the optimal value and reduces energy consumption.

Coupling

With advanced diaphragm coupling, the vibration can be eliminated and isolated. It has the function of automatic centering and long service life.

Oil Filter

The high precision and washable stainless-steel filter element are used to achieve high precision filtration, ensure the lubricating oil is clean, and improve the reliability of oil pump and compressor.

Oil Pump

The specialized oil pump is used, which has advanced structure, a certain pumping capacity, stable oil volume and oil pressure; the mechanical seal of oil pump shaft seal is resistant to high temperature, working medium corrosion and has long service life.

Automatic Control System

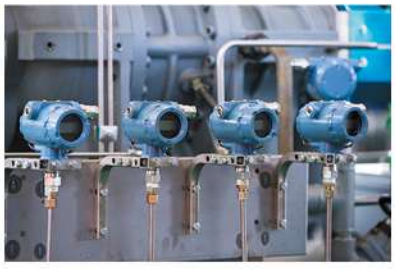
It is equipped with multiple protections such as early warning of load limit, over-limit alarm and over-limit shutdown to ensure the safe and stable operation of the compressor;

- PID energy adjustment is adopted based on the change of load, which is featured with fast load tracking and low steady-state error and minimizes equipment energy consumption;
- It can collect operation data, monitor and store etc., and the key data is presented in graph with the visual change trend, and it also can store historical alarm and query them;
- The human-computer interface is color LCD touch screen and supports multi-language selections such as Chinese and English; the functions are universal, and users can configure functions according to the type of equipment;
- The Modbus RTU/RS485 communication interface is reserved for remote monitoring and control of the compressor with the host computer.

Optional Configuration

Electrical Heater	Maintain lubricating oil at a certain temperature to ensure that the unit can start up normally at a lower ambient temperature.
Double Oil Filter	It can be equipped with double oil filter as needed, one for use and one for standby, and it can be switched without shutdown.
Water-Cooling Type Oil Cooler	Water-cooling type oil cooler can be selected according to the site conditions, and the materials of shell and heat exchange tube can be flexibly selected on the basis of different water quality conditions.
Instrument	The pressure and temperature sensors and transmitters supplied by internationally renowned brands such as Rosemount/EJA can be configured as required.
Oil Temperature Control	The oil temperature control valves supplied by internationally renowned brands can be configured as required, which can accurately control the temperature of the lubricating oil and ensure the reliable operation of the unit.
Anti-Explosion	The explosion-proof equipment can be customized according to the requirements of the use condition. The instruments, valves, and electrical components can meet the requirements of the explosion-proof standards, and can also meet the requirements of different explosion-proof systems such as ATEX/IEC.

For industrial refrigeration and other special applications, heavy-duty oil cooler and stainless steel oil cooler can be provided. The oil cooler may adopt refrigerant direct cooling, refrigerant throttling cooling and water cooling.



Single-Stage Screw Refrigeration Compressor Unit

Features

- The compressor has a full type spectrum and the displacement range is 285 m^3/h ~14000m^3/h;
- It is widely used and can be operated under high temperature, moderate temperature and low temperature conditions;
- The unit is suitable for R717, R507A, R404A and other working mediums;
- The unit can be customized according to the special needs of users;
- The standard configuration control mode is automatic.

Applicable Conditions

Refrigerant	R717A	R507A
Discharge Pressure (MPa)	≤1.67	≤1.95
Suction Pressure (MPa)	-0.03 ~ 0.586	
Oil Pressure (MPa)	0.1 ~ 0.3 Higher Than Discharge Pressure	
Oil Temperature (°C)	30 ~ 65	
Cooling Water Inlet Temperature (°C)	15 ~ 33	
Cooling Water Flow Deviation	±10%	

Note: If it is out of the conditions above, please contact MOON-TECH for making non-standard order.

Single-Stage Screw Refrigeration Compressor Model

LG X X X X

- Unit type: J refers to built-in economizer; others don't mean so.
- Cooling Method of Oil Cooler: Y means liquid cooling; Z means water cooling
- Rotor Lead: S, D, M, K, L and T leads are lengthened in turn
- Rotor Nominal Diameter: expressed in Arabic numerals in cm
- LG stands for screw

Main Technical Parameters of Unit

Item			Unit	Series 12 M	Series 16S	Series 16M	Series 20S
Refrigerant			Category	R717/R507A			
Theoretical Displacement of Compressor			m^3/h	285	385	598	806
Refrigerating Capacity		High Temperature Conditions	kW	316/239	440/333	692/526	1001/711
		Moderate Temperature Conditions	kW	175/161	244/224	384/355	555/480
		Low Temperature Conditions	kW	62/63	88/89	138/141	201/194
Motor Rated Power		High Temperature Conditions	kW	65/75	90/110	132/160	185/220
		Moderate Temperature Conditions	kW	65/75	90/110	132/160	185/220
		Low Temperature Conditions	kW	55/65	75/90	110/132	160/185
Electrical System				3P 50HZ 380V			
Rated Speed			r/min	2960			
Charging Volume of Refrigeration Oil			L	~ 160	~ 240		~ 380
Inlet and Outlet Pipe Diameter			mm	DN80/ DN65	DN125/ DN80		DN150/ DN100
Inlet and Outlet Pipe Diameter of Economizer			mm	DN50	DN50	DN50	DN65
Safety Valve Diameter			mm	DN20	DN25		DN32
Oil Cooler	Type			Shell and Tube			
	Water Cooling	Inlet and Outlet Pipe Diameter	mm	DN32	DN40		DN65
		Cooling Water Flow	m^3/h	~ 10	~ 15	~ 15	~ 20
		Water Quality Standard		GB50050 "Code for Design of Industrial Recirculating Cooling Water Treatment"			
	Liquid Cooling	Liquid Inlet Pipe Diameter	mm	DN25	DN32		DN40
		Discharge Pipe Diameter	mm	DN40	DN50		DN65
Oil Pump		Model		ZHB80P6	ZHB125P4		ZHB125P4 or ZHB150P6*
		Motor Power	kW	1.5	2.2		2.2 or 3*
Dimensions (L*W*H)			mm	2620X1370x1780	3060X1470x2030		3180X1640x2260
Net Weight of Unit			kg	~ 2000	~ 2450	~ 2750	~ 4450

Note:

1. High temperature working condition is +40/+5℃ , moderate temperature working condition is +40/-10℃ , low temperature working condition is +40/-35℃ ; the corresponding high temperature working condition of R507A is +40/+ 0℃ ;
   With economizer, the liquid outlet temperature is 5℃ higher than the saturation temperature of the air make-up pressure. The cooling water inlet temperature of the oil cooler is +33℃ , and the temperature difference between the inlet and outlet water is 5℃ .
2. *For series LG20S, the motor power is 3kW when used in R507A.

Item			Unit	Series 20M	Series 20L	Series 20T	Series 25S
Refrigerant			Category	R717/R507A			
Theoretical Displacement of Compressor			m^3/h	1120	1486	1670	1825
Refrigerating Capacity		High Temperature Conditions	kW	1339/1007	1756/1320	1872/1411	2172/1642
		Moderate Temperature Conditions	kW	743/680	975/892	1040/954	1207/1110
		Low Temperature Conditions	kW	269/272	353/357	385/382	443/453
Motor Rated Power		High Temperature Conditions	kW	250/315	315/400	400/450	450/500
		Moderate Temperature Conditions	kW	250/315	315/400	400/450	400/500
		Low Temperature Conditions	kW	200/250	250/355	280/400	315/450
Electrical System				3P 50HZ 380V	3P 50HZ 380V 3P 50HZ10kV (or6kV)	3P 50HZ 10kV (or 6kV)	
Rated Speed			r/min	2960			
Charging Volume of Refrigeration Oil			L	~ 380	~ 450	~ 650	~ 700
Inlet and Outlet Pipe Diameter			mm	DN150/ DN100	DN200/ DN150	DN200/ DN150	DN200/ DN150
Inlet and Outlet Pipe Diameter of Economizer			mm	DN65	DN65	DN65	DN80
Safety Valve Diameter			mm	DN32	DN50	DN50	DN50
Oil Cooler	Type			Shell and Tube			
	Water Cooling	Inlet and Outlet Pipe Diameter	mm	DN65	DN65	DN65	DN65
		Cooling Water Flow	m^3/h	~ 25	~ 30	~ 35	~ 35
		Water Quality Standard		GB50050 "Code for Design of Industrial Recirculating Cooling Water Treatment"			
	Liquid Cooling	Liquid Inlet Pipe Diameter	mm	DN40	DN40	DN40	DN50
		Discharge Pipe Diameter	mm	DN65	DN65	DN65	DN80
Oil Pump		Model		ZHB125P4 or ZHB150P6*		ZHB150P6	ZHB220P4
		Motor Power	kW	2.2 or 3*		3	4
Dimensions (L*W*H)			mm	3180X1610x2260	3610X1760x2540	4300X2140x3070	4600X2140x3150
Net Weight of Unit			kg	~ 4660	~ 5900	~ 10000	11000 ~ 12000

Note:

1. High temperature working condition is +40/+5℃ , moderate temperature working condition is +40/-10℃ , low temperature working condition is +40/-35℃ ; the corresponding high temperature working condition of R507A is +40/+ 0℃ ;
   With economizer, the liquid outlet temperature is 5℃ higher than the saturation temperature of the air make-up pressure. The cooling water inlet temperature of the oil cooler is +33℃ , and the temperature difference between the inlet and outlet water is 5℃ .
2. When the high-voltage motor is selected for the unit LG20L, the oil charge is 700kg, and the external dimensions and quality refer to the series LG20T.
3. * For series LG20M/LG20L, the motor power is 3kW when used in R507A.

Main Technical Parameters of Unit

Item			Unit	Series 25M	Series 25K	Series 25L	Series 25T
Refrigerant			Category	R717/R507A			
Theoretical Displacement of Compressor			m^3/h	2289	2564	2840	3208
Refrigerating Capacity		High Temperature Conditions	kW	2731/2069	2906/2275	3393/2579	3691/2890
		Moderate Temperature Conditions	kW	1518/1400	1618/1540	1889/1746	2055/1956
		Low Temperature Conditions	kW	557/567	594/622	694/ 705	755/790
Motor Rated Power		High Temperature Conditions	kW	500/630	560/710	630/800	710/900
		Moderate Temperature Conditions	kW	500/630	560/710	560/800	710/900
		Low Temperature Conditions	kW	400/560	400/630	500/710	500/800
Electrical System				3P 50HZ 10kV (or 6kV)			
Rated Speed			r/min	2960			
Charging Volume of Refrigeration Oil			L	~ 700	~ 700	~ 700	~ 1000
Inlet and Outlet Pipe Diameter			mm	DN200/ DN150	DN250/ DN150	DN250/ DN150	DN350/ DN150
Inlet and Outlet Pipe Diameter of Economizer			mm	DN80	DN80	DN80	DN125
Safety Valve Diameter			mm	DN50	DN50	DN50	2XDN50
Oil Cooler	Type			Shell and Tube			
	Water Cooling	Inlet and Outlet Pipe Diameter	mm	Dn65			Dn100
		Cooling Water Flow	m^3/h	~ 55			~ 90
		Water Quality Standard		Gb50050 "Code for Design of Industrial Recirculating Cooling Water Treatment"			
	Liquid Cooling	Liquid Inlet Pipe Diameter		DN50			DN65
		Discharge Pipe Diameter	mm	DN80			DN125
Oil Pump		Model		ZHB220P4			ZHB300P8
		Motor Power	kW	4			5.5
Dimensions (L*W*H)			mm	4600X2140x3150			7990X2930x3650
Net Weight of Unit			kg	11000 ~ 12000			~ 19000

Note:

1. High temperature working condition is +40/+5℃ , moderate temperature working condition is +40/-10℃ , low temperature working condition is +40/-35℃ ; the corresponding high temperature working condition of R507A is +40/+ 0℃ ;
2. With economizer, the liquid outlet temperature is 5℃ higher than the saturation temperature of the air make-up pressure. The cooling water inlet temperature of the oil cooler is +33℃ , and the temperature difference between the inlet and outlet water is 5℃ .

Item			Unit	Series 32S	Series 32D	Series 32M	Series 32L
Refrigerant			Category	R717 / R507A			
Theoretical Displacement of Compressor			m^3/h	3500	3920	4341	5182
Refrigerating Capacity	High Temperature Conditions		kW	4118/3130	4395/3442	5167/3930	6178/4696
	Moderate Temperature Conditions		kW	2292/2119	2446/2329	2877/2659	3439/3178
	Low Temperature Conditions		kW	844/861	901/946	1060/1080	1268/1287
Motor Rated Power	High Temperature Conditions		kW	800/1000	900/1120	1000/1120	1120/1400
	Moderate Temperature Conditions		kW	710/1000	800/1000	900/1120	1000/1400
	Low Temperature Conditions		kW	560/800	630/900	710/1000	900/1250
Electrical System				3P 50HZ 10kV (or 6kV)			
Rated Speed			r/min	2960			
Charging Volume of Refrigeration Oil			L	~ 1250			
Inlet and Outlet Pipe Diameter			mm	DN350/ DN200			
Inlet and Outlet Pipe Diameter of Economizer			mm	DN125			
Safety Valve Diameter			mm	2XDN50			
Oil Cooler	Type			Shell and Tube			
	Water Cooling	Inlet and Outlet Pipe Diameter	mm	DN100			
		Cooling Water Flow	m^3/h	~ 90			
		Water Quality Standard		GB50050"Code for Design of Industrial Recirculating Cooling Water Treatment"			
	Liquid Cooling	Liquid Inlet Pipe Diameter	mm	DN65			
		Discharge Pipe Diameter	mm	DN125			
Oil Pump		Model		ZZB400P6			
		Motor Power	kW	7.5			
Dimensions (L*W*H)			mm	~ 7990x2930x3650			
Net Weight of Unit			kg	~ 21700			

Note:

1. High temperature working condition is +40/+5℃ , moderate temperature working condition is +40/-10℃ , low temperature working condition is +40/-35℃ ; the corresponding high temperature working condition of R507A is +40/+ 0℃ ;
2. With economizer, the liquid outlet temperature is 5℃ higher than the saturation temperature of the air make-up pressure. The cooling water inlet temperature of the oil cooler is +33℃ , and the temperature difference between the inlet and outlet water is 5℃ .

Main Technical Parameters of Unit

Item			Unit	Series 32T	Series 40S	Series 40M	Series 40L
Refrigerant			Category	R717/R507A			
Theoretical Displacement of Compressor			m^3/h	5890	6514	7539	9500
Refrigerating Capacity		High Temperature Conditions	kW	6660/5215	7362/5711	8415/6548	10112/7958
		Moderate Temperature Conditions	kW	3708/3530	4099/3868	4760/4471	5586/5274
		Low Temperature Conditions	kW	1367/1430	1494/1530	1757/1763	2013/2134
Motor Rated Power		High Temperature Conditions	kW	1250/1600	1600/1800	1800/2240	2200/2500
		Moderate Temperature Conditions	kW	1120/1500	1400/1800	1600/2240	2200/2500
		Low Temperature Conditions	kW	1000/1400	1120/1500	1250/2000	1600/2200
Electrical System				3P 50HZ 10kV (or 6kV)			
Rated Speed			r/min	2960			
Charging Volume of Refrigeration Oil			L	~ 1250	~ 1800		~ 2600
Inlet and Outlet Pipe Diameter			mm	DN350/ DN250	DN400/ DN300		
Inlet and Outlet Pipe Diameter of Economizer			mm	DN125	DN150		DN200
Safety Valve Diameter			mm	2XDN50	2XDN50		2xDN80
Oil Cooler	Type			Shell and Tube			
	Water Cooling	Inlet and Outlet Pipe Diameter	mm	DN100	DN125		DN150
		Cooling Water Flow	m^3/h	~ 90	~ 150		~ 210
		Water Quality Standard		GB50050 "Code for Design of Industrial Recirculating Cooling Water Treatment"			
	Liquid Cooling	Liquid Inlet Pipe Diameter	mm	DN65	DN125		DN150
		Discharge Pipe Diameter	mm	DN125	DN150		DN200
Oil Pump		Model		ZZB400P6	ZZB800P6		ZZB1200P4
		Motor Power	kW	7.5	15		22
Dimensions (L*W*H)			mm	~ 7990x2930x3650	~ 9920x3500x4550		12000X4420X4900
Net Weight of Unit			kg	~ 26000	~ 37000		~ 41000

Note:

1. High temperature working condition is +40/+5℃ , moderate temperature working condition is +40/-10℃ , low temperature working condition is +40/-35℃ ; the corresponding high temperature working condition of R507A is +40/+ 0℃ ;
2. With economizer, the liquid outlet temperature is 5℃ higher than the saturation temperature of the air make-up pressure. The cooling water inlet temperature of the oil cooler is +33℃ , and the temperature difference between the inlet and outlet water is 5℃ .

MOON-TECH advocates the use of ODP=0, low-GWP environmentally-friendly working medium, independently research and develop green and efficient compressor products, and actively promotes the process of working medium substitution.
Due to the limited space, the sample book cannot list detailed compressor performance parameters, outline drawings of unit, work flow charts and foundation drawings, etc. If necessary, please contact our staff.

Compound Two-Stage Screw Refrigeration Compressor Unit

Features

●It is suitable for low temperature refrigeration under evaporating temperature below -25℃ , and the efficiency is significantly higher than that of single-stage compressor unit with economizer;
●There are four types of single-machine two-stage screw units, of which high and low pressure stages of LG2016MS, LG2520MS, LG3225LS compressor have energy adjustment devices, which can ensure the unit is always efficient and economical under low temperature working conditions;
●The unit can be customized according to the special needs of users;
●The standard configuration control method is automatic.

Applicable Conditions

Refrigerant	R717
Discharge Pressure (MPa)	≤1.67
Suction Pressure (MPa)	-0.05 ～ 0.052
Oil Pressure (MPa)	0.05 ～ 0.3 Higher Than Discharge Pressure
Oil Temperature (℃)	30 ～ 65
Cooling Water Inlet Temperature (℃)	15 ～ 33
Cooling Water Flow Deviation	±10%

Note: If it is out of the conditions above, please contact MOON-TECH for making non-standard order.

Model of Single Machine Two-Stage Screw Refrigeration Compressor Unit

LG XX XX X X X

- Oil Cooling Type: Z means water cooling; Y means liquid cooling
- Lead of High-Pressure Rotor: S stands for short lead; M stands for medium lead; L stands for long lead
- Lead of Low-Pressure Rotor: S stands for short lead; M stands for medium lead; L stands for long lead
- Nominal Diameter of High-Pressure Rotor: numerically expressed in cm
- Nominal Diameter of Low-Pressure Rotor: numerically expressed in cm
- LG stands for screw

Main Technical Parameters of Unit

Item		Unit	LG1612MMZ(Y)	LG2016MSZ(Y)	LG2520MSZ(Y)	LG3225LSZ(Y)
Model of Compressor			LG1612MM	LG2016MS	LG2520MS	LG3225LS
Theoretical Displacement	Low Pressure Stage	m^3/h	598	1120	2289	5182
	High Pressure Stage	m^3/h	213	385	806	1825
Nominal Conditions		℃	+40/-35			
Nominal Refrigerating Capacity		kW	139	270	561	1262
Rated Power of Main Motor		kW	110	185	355	800
Electrical System			3N 50HZ 380V		3N 50HZ 10kV	
Rated Speed		r/min	2960			
Refrigerant			R717			
Charging Volume of Refrigeration Oil		L	~ 240	~ 380	~ 700	~ 1100
Diameter of Intake Pipe		mm	DN125	DN150	DN200	DN350
Diameter of Outtake Pipe		mm	DN65	DN80	DN100	DN150
Pipe Diameter of Inlet and Outlet of Intercooler		mm	DN50	DN65	DN80	DN125
Diameter of Safety Valve		mm	DN25	DN32	DN50	DN50*2
Water Cooler/Oil Cooler	Type		Shell and Tube			
	Inlet and Outlet Pipe Diameter	mm	DN40	DN65	DN65	DN100
	Cooling Water Flow	m^3/h	~ 20	~ 25	~ 45	~ 75
	Water Quality Standard		GB50050 "Code for Design of Industrial Recirculating Cooling Water Treatment"			
Liquid/Oil Cooler	Type		Shell and Tube			
	Liguid Inlet Pipe Diameter	mm	DN32	DN40	DN50	DN65
	Discharge Pipe Diameter	mm	DN50	DN65	DN80	DN125
Oil Pump	Model		ZH125P4	ZH220P4	ZZB300P8	ZZB600P4
	Motor Power	kW	2.2	4	5.5	11
Dimensions (L*W*H)		mm	3100x1390x2030	3460x1650x2230	5070x2380x3150	8890x2840x3900
Net Weight of Unit		kg	~ 3300	~ 4500	~ 11000	~ 22285

Note:
1. The main motor of the unit is configured according to the nominal working condition. Under this configuration, the unit can be put into operation at full load under the evaporation temperature of -25°C or below.
2. Due to the difference in the working conditions of the unit, the power and protection level of the main motor may be different. The shape and foundation dimensions will also vary with the main motor, which are not listed one by one in the table.

MOON-TECH advocates the use of ODP=0, low-GWP environmentally-friendly working medium, independently research and develop green and efficient compressor products, and actively promotes the process of working medium substitution.
Due to the limited space, the sample book cannot list detailed compressor performance parameters, outline drawings of unit, work flow charts and foundation drawings, etc. If necessary, please contact our staff.

Skid-Mounted Separate Two-Stage Screw Compressor Unit

Features

- It is suitable for low temperature refrigeration under evaporating temperature below -25°C , and the efficiency is significantly higher than that of single-stage compressor unit with economizer;
- The mixing ratio is diverse. The optimum ratio can be selected according to different working conditions and medium of users. The ratio of high and low pressure of R717 is between 3 and 4, and that of R507A is between 2 and 3.
- The high and low pressure stages are equipped with energy adjustment devices to ensure that the unit is always efficient and economical under low temperature conditions;
- The compressor of high and low pressure stages starts in different stages with low starting current.
- The oil supply mode of low pressure stage compressor is pressure difference;
- The high-pressure stage can be operated independently to achieve rapid cooling and high efficiency.
- The unit is applicable to R717, R507A, R404A and other working medium;
- The unit can be configured as required by users.
- The control mode is automatic.

Applicable Conditions

Refrigerant	R717	R507a
Discharge Pressure (MPa)	≤1.67	≤1.95
Suction Pressure (MPa)	-0.05 ~ 0.005	
Oil Pressure	0.1 ~ 0.3 Higher Than Discharge Pressure	
Oil Temperature (°C)	30 ~ 65	
Cooling Water Inlet Temperature (°C)	15 ~ 33	
Cooling Water Flow Deviation	±10%	

Note: If it is out of the conditions above, please contact MOON-TECH for making non-standard order.

Model of Dual-Machine Two-Stage Screw Skid Block Unit

LG XX X XX X X

- Oil Cooling Method: liquid cooling Y
- High-Pressure Rotor Lead: the leads of S, D, M, K, L and T are lengthened in turn.
- Nominal Diameter of High-Pressure Stage Rotor: numerically expressed in cm
- Low-Pressure Rotor Lead: the leads of S, D, M, K, L and T are lengthened in turn.
- Nominal Diameter of Low-Pressure Stage Rotor: numerically expressed in cm
- LG stands for open screw

Main Technical Parameters of Unit (R717)

Item			Unit	LG16M12M	LG20M12M	LG20L16S	LG20T16M
Refrigerant			Type	R717			
Compressor	Low Pressure Stage	Model		LG16M	LG20M	LG20L	LG20T
		Theoretical Displacement	m^3/h	598	1120	1486	1672
	High Pressure Level	Model		LG12M	LG12M	LG16S	LG16M
		Theoretical Displacement	m^3/h	285	285	385	598
Nominal Conditions			℃	+40/-40			
Nominal Refrigerating Capacity			kW	117	207	278	329
Rated Power of Main Motor		Low Pressure Stage	kW	55	110	132	160
		High Pressure Stage	kW	65	65	90	132
Electrical System		Low Pressure Stage		3N 50HZ 380V			
		High Pressure Stage		3N 50HZ 380V			
Charging Volume of Refrigeration Oil			L	~ 240	~ 360	~ 360	~ 500
Diameter of Intake Pipe			mm	DN125	DN150	DN200	DN200
Diameter of Outtake Pipe			mm	DN65	DN65	DN80	DN80
Inlet and Outlet Pipe Diameter of Economizer			mm	DN50	DN65	DN65	DN65
Diameter of Safety Valve			mm	DN25	DN25	DN50	DN50
Liquid/Oil Cooler		Type		Shell and Tube			
		Liquid Inlet Pipe Diameter	mm	DN32	DN40	DN40	DN40
		Discharge Pipe Diameter	mm	DN50	DN65	DN65	DN65
Oil Pump		Type		ZHB80P6		ZHB125P4	
		Motor Power	kW	1.5		2.2	
Dimensions (L*W*H)			mm	5400x1640x2340	5400x1640x2460	6040x1940x2780	6260x1940x2830
Net Weight of Unit			kg	~ 3300	~ 4650	~ 6300	~ 7700

Note:

1. The main motor of the unit is configured according to the nominal working condition. Under this configuration, the unit can be put into operation at full load under the evaporation temperature of -40°C or below.
2. Due to the difference in the working conditions of the unit, the power of the main motor may be different, and the outline dimensions will also vary with the main motor, which are not listed one by one in the table.
3. This table shows a long structure, if other forms are needed, it can be customized.

Main Technical Parameters of Unit (R717)

Item			Unit	LG25S16M	LG25M16M	LG25K20S	LG25L20S
Refrigerant			Type	R717			
Compressor	Low Pressure Stage	Model		LG25S	LG25M	LG25K	LG25L
		Theoretical Displacement	m^3/h	1825	2289	2570	2840
	High Pressure Level	Model		LG16M	LG16M	LG20S	LG20S
		Theoretical Displacement	m^3/h	598	598	806	806
Nominal Conditions			℃	+40/-40			
Nominal Refrigerating Capacity			kW	354	429	502	551
Rated Power of Main Motor		Low Pressure Stage	kW	185	200	220	220
		High Pressure Stage	kW	132	132	185	185
Electrical System		Low Pressure Stage		3N 50HZ 380V			
		High Pressure Stage		3N 50HZ 380V			
Charging Volume of Refrigeration Oil			L	~ 600	~ 600	~ 600	~ 600
Diameter of Intake Pipe			mm	DN200	DN200	DN250	DN250
Diameter of Outtake Pipe			mm	DN80	DN80	DN100	DN100
Inlet and Outlet Pipe Diameter of Economizer			mm	DN65	DN65	DN80	DN80
Diameter of Safety Valve			mm	DN50	DN50	DN50	DN50
Liquid/Oil Cooler		Type		Shell and Tube			
		Liquid Inlet Pipe Diameter	mm	DN50	DN50	DN50	DN50
		Discharge Pipe Diameter	mm	DN80	DN80	DN80	DN80
Oil Pump		Type		ZHB125P4			
		Motor Power	kW	2.2			
Dimensions (L*W*H)			mm	6260X1940x2970	6260X1940x2970	6650X1940x3000	6650X1940x3000
Net Weight of Unit			kg	~ 8000	~ 9000	~ 11000	~ 12000

Note:
1. The main motor of the unit is configured according to the nominal working condition. Under this configuration, the unit can be put into operation at full load under the evaporation temperature of -40°C or below.
2. Due to the difference in the working conditions of the unit, the power of the main motor may be different, and the outline dimensions will also vary with the main motor, which are not listed one by one in the table.
3. The table shows a long structure, if other forms are needed, it can be customized.

Main Technical Parameters of Unit (R717)

Item			Unit	LG25T20S	LG32S20S	LG32M20M
Refrigerant			Type	R717		
Compressor	Low Pressure Stage	Model		LG25T	LG32S	LG32M
		Theoretical Displacement	m^3/h	3208	3500	4341
	High Pressure Level	Model		LG20S	LG20S	LG20M
		Theoretical Displacement	m^3/h	806	806	1120
Nominal Conditions			℃	+40/-40		
Nominal Refrigerating Capacity			kW	607	653	820
Rated Power of Main Motor		Low Pressure Stage	kW	250	280	315*
		High Pressure Stage	kW	185	185	250
Electrical System		Low Pressure Stage		3N 50HZ 380V		
		High Pressure Stage		3N 50HZ 380V		
Charging Volume of Refrigeration Oil			L	~ 900	~ 900	~ 900
Diameter of Intake Pipe			mm	DN350	DN350	DN350
Diameter of Outtake Pipe			mm	DN100	DN100	DN100
Inlet and Outlet Pipe Diameter of Economizer			mm	DN80	DN80	DN80
Diameter of Safety Valve			mm	DN50	DN50	DN50
Liquid/Oil Cooler		Type		Shell and Tube		
		Liquid Inlet Pipe Diameter	mm	DN65	DN65	DN65
		Discharge Pipe Diameter	mm	DN125	DN125	DN125
Oil Pump		Type		ZHB125P4		
		Motor Power	kW	2.2		
Dimensions (L*W*H)			mm	7870x2450x3480	8090x2450x3550	8300x2450x3550
Net Weight of Unit			kg	~ 17000	~ 18000	~ 20000

Note:

1. The main motor of the unit is configured according to the nominal working condition. Under this configuration, the unit can be put into operation at full load under the evaporation temperature of -40°C or below.
2. Due to the difference in the working conditions of the unit, the power of the main motor may be different, and the outline dimensions will also vary with the main motor, which are not listed one by one in the table.
3. *Electrical system is 3N 50HZ 10kV.
4. The table shows a long structure, if other forms are needed, it can be customized.

Main Technical Parameters of Unit (R717)

Item			Unit	LG32L20L	LG40S25M	LG40M25L
Refrigerant			Type		R717	
Compressor	Low Pressure Stage	Model		LG32L	LG40S	LG40M
		Theoretical Displacement	m^3/h	5182	6514	7539
	High Pressure Level	Model		LG20L	LG25M	LG25L
		Theoretical Displacement	m^3/h	1486	2289	2840
Nominal Conditions			°C		+40/-40	
Nominal Refrigerating Capacity			kW	974	1255	1450
Rated Power of Main Motor		Low Pressure Stage	kW	355	400	450
		High Pressure Stage	kW	355	500	630
Electrical System		Low Pressure Stage			3N 50HZ 10KV	
		High Pressure Stage			3N 50HZ 10KV	
Charging Volume of Refrigeration Oil			L	~ 900	~ 1500	~ 1500
Diameter of Intake Pipe			mm	DN350	DN400	DN400
Diameter of Outtake Pipe			mm	DN100	DN150	DN150
Inlet and Outlet Pipe Diameter of Economizer			mm	DN80	DN150	DN150
Diameter of Safety Valve			mm	DN50	DN50X2	DN50X2
Liquid/Oil Cooler		Type			Shell and Tube	
		Liquid Inlet Pipe Diameter	mm	DN65	DN125	DN125
		Discharge Pipe Diameter	mm	DN125	DN150	DN150
Oil Pump		Type		ZHB125P4	ZHB220P4	ZHB220P4
		Motor Power	kW	2.2	4	4
Dimensions (L*W*H)			mm	9020x2450x3550	10600X3740X4050	10600X3740X4050
Net Weight of Unit			kg	~ 22000	~ 32000	~ 34000

Note:
1. The main motor of the unit is configured according to the nominal working condition. Under this configuration, the unit can be put into operation at full load under the evaporation temperature of -40°C or below.
2. Due to the difference in the working conditions of the unit, the power of the main motor may be different, and the outline dimensions will also vary with the main motor, which are not listed one by one in the table.
3. This table shows a long structure, if other forms are needed, it can be customized.

Main Technical Parameters of Unit (R507A)

Item			Unit	LG16M12M	LG20M16M	LG20L16M	LG20T20S
Refrigerant			Type	R507A			
Compressor	Low Pressure Stage	Model		LG16M	LG20M	LG20L	LG20T
		Theoretical Displacement	m^3/h	598	1120	1486	1672
	High Pressure Level	Model		LG12M	LG16M	LG16M	LG20S
		Theoretical Displacement	m^3/h	285	598	598	806
Nominal Conditions			°C	+40/-40			
Nominal Refrigerating Capacity			kW	157	314	396	462
Rated Power of Main Motor		Low Pressure Stage	kW	65	132	160	185
		High Pressure Stage	kW	75	160	160	220
Electrical System		Low Pressure Stage		3N 50HZ 380V			
		High Pressure Stage		3N 50HZ 380V			
Charging Volume of Refrigeration Oil			L	~ 240	~ 360	~ 360	~ 550
Diameter of Intake Pipe			mm	DN125	DN150	DN200	DN200
Diameter of Outtake Pipe			mm	DN65	DN80	DN80	DN100
Inlet and Outlet Pipe Diameter of Economizer			mm	DN50	DN65	DN65	DN80
Diameter of Safety Valve			mm	DN25	DN25	DN25	DN50
Liquid/Oil Cooler		Type		Shell and Tube			
		Liquid Inlet Pipe Diameter	mm	DN32	DN40	DN40	DN40
		Discharge Pipe Diameter	mm	DN50	DN65	DN65	DN65
Oil Pump		Type		ZHB80P6	ZHB125P4		ZHB150P6
		Motor Power	kW	1.5	2.2		3
Dimensions (L*W*H)			mm	5400x1640x2340	5400x1640x2460	6040x1940x2780	6260x1940x2830
Net Weight of Unit			kg	~ 3300	~ 4650	~ 6300	~ 7700

Note:

1. The main motor of the unit is configured according to the nominal working condition. Under this configuration, the unit can be put into operation at full load under the evaporation temperature of -40°C or below.
2. Due to the difference in the working conditions of the unit, the power of the main motor may be different, and the outline dimensions will also vary with the main motor, which are not listed one by one in the table.
3. This table shows a long structure, if other forms are needed, it can be customized.

Main Technical Parameters of Unit (R507A)

Item			Unit	LG25S20S	LG25M20M	LG25K20M	LG25L20L
Refrigerant			Type	R507A			
Compressor	Low Pressure Stage	Model		LG25S	LG25M	LG25K	LG25L
		Theoretical Displacement	m^3/h	1825	2289	2570	2840
	High Pressure Level	Model		LG20S	LG20M	LG20M	LG20L
		Theoretical Displacement	m^3/h	806	1120	1120	1486
Nominal Conditions			°C	+40/-40			
Nominal Refrigerating Capacity			kW	496	644	703	820
Rated Power of Main Motor		Low Pressure Stage	kW	200	220	250	250
		High Pressure Stage	kW	220	315	315	400*
Electrical System		Low Pressure Stage		3N 50HZ 380V			
		High Pressure Stage		3N 50HZ 380V			
Charging Volume of Refrigeration Oil			L	~ 550	~ 550	~ 550	~ 550
Diameter of Intake Pipe			mm	DN200	DN200	DN250	DN250
Diameter of Outtake Pipe			mm	DN100	DN100	DN100	DN100
Inlet and Outlet Pipe Diameter of Economizer			mm	DN80	DN80	DN80	DN80
Diameter of Safety Valve			mm	DN50	DN50	DN50	DN50
Liquid/Oil Cooler		Type		Shell and Tube			
		Liquid Inlet Pipe Diameter	mm	DN50	DN50	DN50	DN50
		Discharge Pipe Diameter	mm	DN80	DN80	DN80	DN80
Oil Pump		Type		ZHB150P6			
		Motor Power	kW	3			
Dimensions (L*W*H)			mm	6260x1940x2970	6650x1940x2970	6650x1940x3000	6900x1940x3000
Net Weight of Unit			kg	~ 8000	~ 9000	~ 10000	~ 12000

Note:

1. The main motor of the unit is configured according to the nominal working condition. Under this configuration, the unit can be put into operation at full load under the evaporation temperature of -40°C or below.
2. Due to the difference in the working conditions of the unit, the power of the main motor may be different, and the outline dimensions will also vary with the main motor, which are not listed one by one in the table.
3. *Electrical system is 3N 50HZ 10kV.
4. The table shows a long structure, if other forms are needed, it can be customized.

Main Technical Parameters of Unit (R507A)

Item			Unit	LG25T20L	LG32S25S	LG32M25M	LG32L25M
Refrigerant			Type	R507A			
Compressor	Low Pressure Stage	Model		LG25T	LG32S	LG32M	LG32L
		Theoretical Displacement	m^3/h	3208	3500	4341	5182
	High Pressure Level	Model		LG20L	LG25S	LG25M	LG25M
		Theoretical Displacement	m^3/h	1486	1825	2289	2289
Nominal Conditions			℃	+40/-40			
Nominal Refrigerating Capacity			kW	886	998	1244	1409
Rated Power of Main Motor		Low Pressure Stage	kW	280	315	400	450
		High Pressure Stage	kW	400	500	630	630
Electrical System		Low Pressure Stage		3N 50HZ 10kV			
		High Pressure Stage		3N 50HZ 10kV			
Charging Volume of Refrigeration Oil			L	~ 900	~ 900	~ 900	~ 900
Diameter of Intake Pipe			mm	DN350	DN350	DN350	DN350
Diameter of Outtake Pipe			mm	DN100	DN150	DN150	DN150
Inlet and Outlet Pipe Diameter of Economizer			mm	DN80	DN80	DN80	DN80
Diameter of Safety Valve			mm	DN50	DN50	DN50	DN50
Liquid/Oil Cooler		Type		Shell and Tube			
		Liquid Inlet Pipe Diameter	mm	DN65	DN65	DN65	DN65
		Discharge Pipe Diameter	mm	DN125	DN125	DN125	DN125
Oil Pump		Type		ZHB150P6	ZHB220P4		
		Motor Power	kW	3	4		
Dimensions (L*W*H)			mm	7870x2450x3480	8090x2450x3580	8300x2450x3550	8300x2450x3550
Net Weight of Unit			kg	~ 17000	~ 18000	~ 19000	~ 20000

Note:

1. The main motor of the unit is configured according to the nominal working condition. Under this configuration, the unit can be put into operation at full load under the evaporation temperature of -40℃ or below.
2. Due to the difference in the working conditions of the unit, the power of the main motor may be different, and the outline dimensions will also vary with the main motor, which are not listed one by one in the table.
3. This table shows a long structure, if other forms are needed, it can be customized.

Main Technical Parameters of Unit (R507A)

Item			Unit	LG40S32S	LG40M32M
Refrigerant			Type	R507A	
Compressor	Low Pressure Stage	Model		LG40S	LG40M
		Theoretical Displacement	m^3/h	6514	7539
	High Pressure Level	Model		LG32S	LG32M
		Theoretical Displacement	m^3/h	3500	4341
Nominal Conditions			°C	+40/-40	
Nominal Refrigerating Capacity			kW	1833	2142
Rated Power of Main Motor		Low Pressure Stage	kW	560	630
		High Pressure Stage	kW	900	1120
Electrical System		Low Pressure Stage		3N 50HZ 10kV	
		High Pressure Stage		3N 50HZ 10kV	
Charging Volume of Refrigeration Oil			L	~ 1500	~ 1500
Diameter of Intake Pipe			mm	DN400	DN400
Diameter of Outtake Pipe			mm	DN200	DN200
Inlet and Outlet Pipe Diameter of Economizer			mm	DN150	DN150
Diameter of Safety Valve			mm	DN50X2	DN50X2
Liquid/Oil Cooler		Type		Shell and Tube	
		Liquid Inlet Pipe Diameter	mm	DN125	DN125
		Discharge Pipe Diameter	mm	DN150	DN150
Oil Pump		Type		ZZB400P6	
		Motor Power	kW	7.5	
Dimensions (L*W*H)			mm	10600X3740x4050	11000X3740x4050
Net Weight of Unit			kg	~ 33000	~ 35000

Note:
1. The main motor of the unit is configured according to the nominal working condition. Under this configuration, the unit can be put into operation at full load under the evaporation temperature of -40°C or below.
2. Due to the difference in the working conditions of the unit, the power of the main motor may be different, and the outline dimensions will also vary with the main motor, which are not listed one by one in the table.
3. This table shows a long structure, if other forms are needed, it can be customized.

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Due to the limited space, the sample book cannot list detailed compressor performance parameters, outline drawings of unit, work flow charts and foundation drawings, etc. If necessary, please contact our staff.

Global Marketing Service Agency Network

S. East & South Asia

Yantai Moon (Vietnam) Co., Ltd.
Mobile: +84-906893588
Email: jeffchong@moon-tech.com

Pt. Yantai Moon Indonesia (Jakarta)
Mobile: +62-812-8570458
Email: stevenchen@moon-tech.com

Pt. Yantai Moon Indonesia (Surabaya)
Mobile: +62-813-15817758
Email: kevinxu@moon-tech.com

Thailand Office
Mobile: +66-970749735
Email: shimeihao@moon-tech.com

Myanmar Office
Mobile: +95-9795856929
Email: naizengliu@moon-tech.com

Malaysia Office
Mobile: +60-162285069
Email: qingfangma@moon-tech.com

Philippines Office
Mobile: +63-9171171410
Email: xuhangyuan@moon-tech.com

Taiwan Office
Mobile: +886-975096307
Email: hetaoliu@moon-tech.com

India Office
Mobile: +86- 13964503338
Email: perryxue@moon-tech.com

Russia & UZB

Moscow Russia Office
Mobile: +7-9250566475
Email: yanli@moon-tech.com
Email: pengyuanche@moon-tech.com

Vladivostok Russia Office
Mobile: +7-9143430880
Email: hongweiwu@moon-tech.com

Uzbekistan Office
Mobile: +998-909278908
Email: zhongyao@moon-tech.com

Middle East

Saudi Arabia Office
Mobile: +966-504362717
Email: tonydeng@moon-tech.com

UAE office (UAE/Oman /Iran /Turkey)
Mobile: +86- 13964503338
Email: perryxue@moon-tech.com

Africa

Egypt Office
Mobile: +966-548730449
Email: shajc@moon-tech.com

Kenya Office
Mobile: +254-713202388
Email: tenglin@moon-tech.com

South Africa Office
Mobile: +27-638491822
Email: Joechen@moon-tech.com

Mauritania Office
Mobile: +222-41834569
Email: perryxin@moon-tech.com

Latin America

Chile Office
Mobile: +56-994888888
Email: simonliu@moon-tech.com

Peru Office
Mobile: +51-967209708
Email: mingxing@moon-tech.com

Ecuador Office
Mobile: +593-987877420
Email: peterzhang@moon-tech.com

Argentina Office
Mobile: +54-91171008380
Email: javierli@moon-tech.com

Overseas Business BU Tel: +86-535-6245052 Fax:+86-535-6242155 Email:info@moon-tech.com

MOON ENVIRONMENT TECHNOLOGY CO.,LTD.

Add: No.1 Binglun Road, Yantai, China 264002
Tel: +86-535-6697172
Email: info@moon-tech.com
Web: www.moonoverseas.com