

SRM Series Open Type

Single Stage Refrigeration Screw Compressor Package

SRM · Sweden

Address: No.120, Farr Murdo Fagan, Nacka District, Stockholm City, Sweden

Tel: +46 (0)8 466 45 00

Fax: +46 (0)8 466 45 01

SRM · China

Address: Dongjiang Road, Min jiang kou Industrial District Fujian, China.

Tel: +86 (591) 28701111

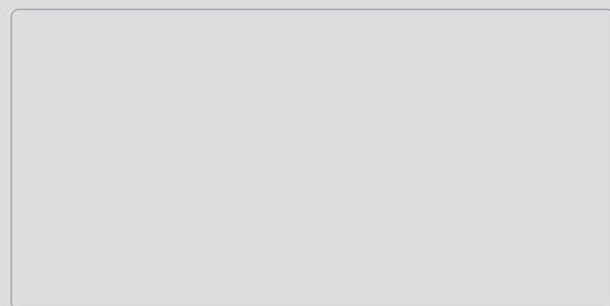
Fax: +86 (591) 28709222

Website: www.snowman.cn

Email: service@snowman.com

Service hotline: +86 (591) 28653300

Distributors



Snowman reserves the right to change its products without notice in advance. The technical parameters shall be subject to order contract or technical appendix of the contract.

SRM Sweden

The inventor and leader of screw compressor
100-year legacy of technical quality & energy efficiency



Focus on screw technology
or one hundred years

More than 3 million screw compressors all over the world
are technologically licensed by SRM

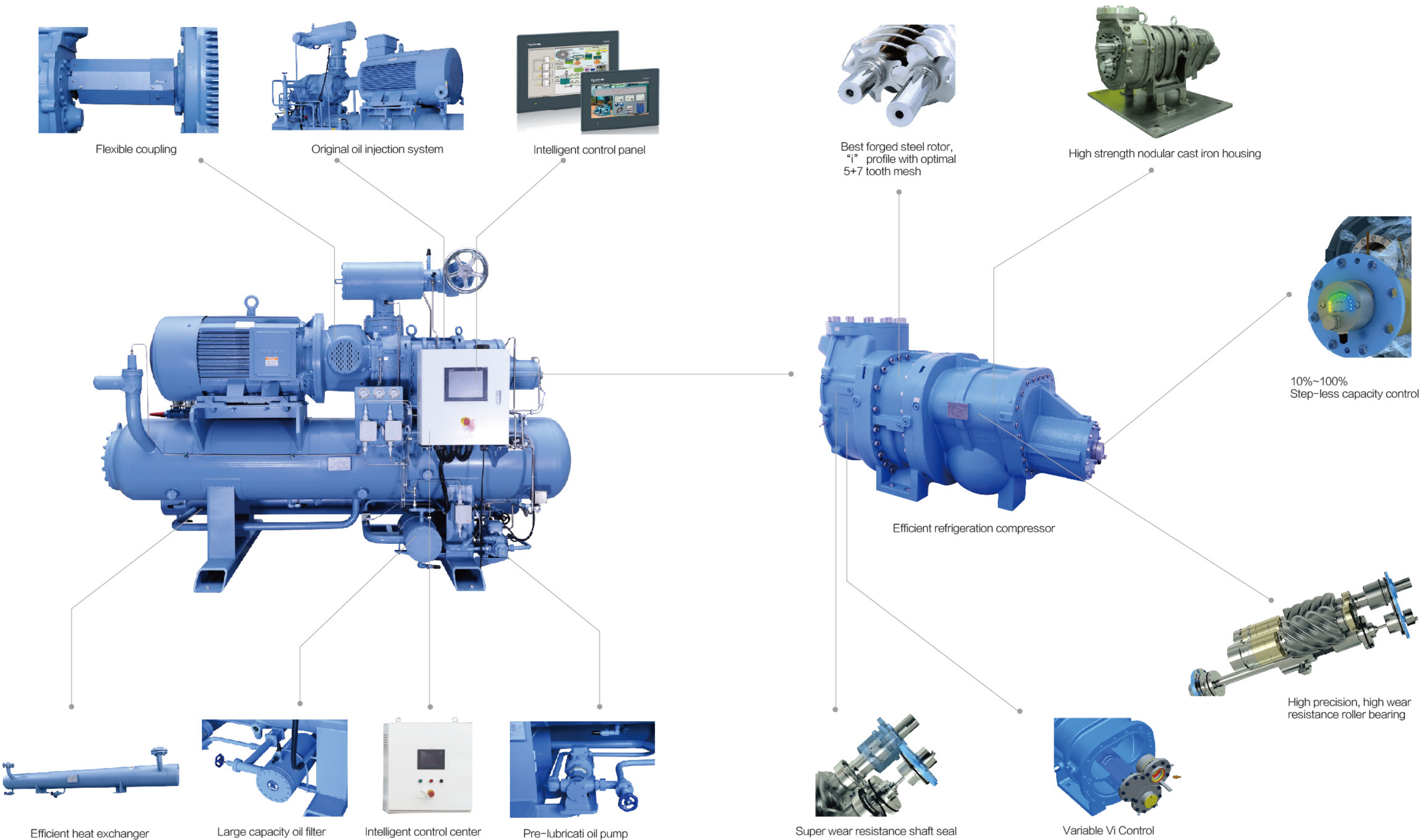


CONTENTS

Descriptions	Page
Products Introduction	
Features Of Srmtec Open Type Single Stage Screw Compressor Package-----	01-08
12 series Single Stage Compressor Package PARAMETERS-----	09
12L series single stage compressor package performance PARAMETERS and curve----	10-12
16 series single stage compressor package PARAMETERSPARAMETERS-----	13
16S series single stage compressor package performance PARAMETERS and curve----	14-16
16M series single stage compressor package performance PARAMETERS and curve----	17-19
16L series single stage compressor package performance PARAMETERS and curve----	20-22
20 series single stage compressor package PARAMETERS-----	23
20S series single stage compressor package performance PARAMETERS and curve----	24-26
20M series single stage compressor package performance PARAMETERS and curve----	27-29
20L series single stage compressor package performance PARAMETERS and curve----	30-32
20LL series single stage compressor package performance PARAMETERS and curve----	33-35
26 series single stage compressor package PARAMETERS-----	36
26S series single stage compressor package performance PARAMETERS and curve----	37-39
26M series single stage compressor package performance PARAMETERS and curve----	40-42
26L series single stage compressor package performance PARAMETERS and curve----	43-45
26LL series single stage compressor package performance PARAMETERS and curve----	46-48
34 series single stage compressor package PARAMETERS-----	49
34S series single stage compressor package performance PARAMETERS and curve----	50-52
34M series single stage compressor package performance PARAMETERS and curve----	53-55
34L series single stage compressor package performance PARAMETERS and curve----	56-58
34LL series single stage compressor package performance PARAMETERS and curve----	59-61
Single stage compressor package system diagram-----	62
Single stage compressor overall dimension-----	63-66
Compressor package foundation diagram-----	67
Compressor R&D technology-----	69-70
Application project-----	71-72

Srmtec Open Type Single Stage Refrigeration Screw Compressor Package

Fully automatic control, excellent energy efficiency performance, reliable and safe design, wide temperature range and highly integrated design.



Package Features

Advanced Intelligent Control Center

- User Friendly Interface, one button start-up, easy operation and intelligent control;
- Real-time unit monitoring, the touch screen can indicate real-time system pressure, load capacity, running time, operation mode and running status. Historical data will be recorded and saved;
- Equipped with preventive security protection system, it's safe under unattended operation;
- Automatic capacity control allows package to run efficiently at different working conditions;
- Automatic oil temperature control in certain range ensures the efficient and stable operation of package;
- Automatic pressure control to keep discharge pressure and suction pressure within specified range;
- The package adopts vector inverter control to automatically control speed in accordance with working conditions, allocate motor rotational torque appropriately to run efficiently and save energy.
- The system can be started and stopped by remote and local control. It can also be linked for reserved monitoring center by reserved bus protocol.

Excellent Energy Efficiency Performance

- The package is equipped with market leading SRMTEC open screw compressor. Using "i" patent screw rotor profile, efficient and energy-saving;
- Highly sensitive capacity control unit for 10%~100% steps capacity control allows package to run efficiently under different working conditions.
- Adopt a small oil pump for pre-lubrication first, and then use pressure difference to supply oil, saving energy;
- By compressor economizer, absorb sensible heat of the intercooler high pressure liquid cooling, to make high pressure liquid from condenser to gain a greater degree of cooling. And improve system COP ;
- Advanced energy-saving technology allows package to have quite high running efficiency and excellent IPLV (Integrated Part Load Value) performance.

Safe And Reliable Design

- High standard safety designs keep package running safely, like high pressure resistance compressor design, high standard pressure vessel design, safety valve design and preventive safety protection design.
- SRMTEC compressors fully conform to European industrial product standards and GB/T19410 design standard this ensures, stable and reliable running for all day long. Design pressure is up to 2.8 MPa.

Wide Applicable Temperature Range

- Single stage screw compressor package inlet temperature range: -45~+20℃, can be widely applied to all kinds of refrigeration.

Highly Integrated Design

- The optimal structural design, high integration, small occupation, convenient transportation and installation, short engineering installation period.

Efficient Oil Separation System

- Adopt 4-stage oil separation system. Oil separation by hitting, gravity, packing, efficient molecular sieve increase oil separation efficiency to 3~5 ppm, effectively reducing lubrication oil that enters refrigeration system and improving system running efficiency.

Fine And Detachable

- To ensure the cleanness of system, the package is equipped with precision large capacity oil filter, suction filter to stop foreign matter which might occur during installation and keep the package running efficiently and stably. Filters are easy to use and can be removed for cleaning.

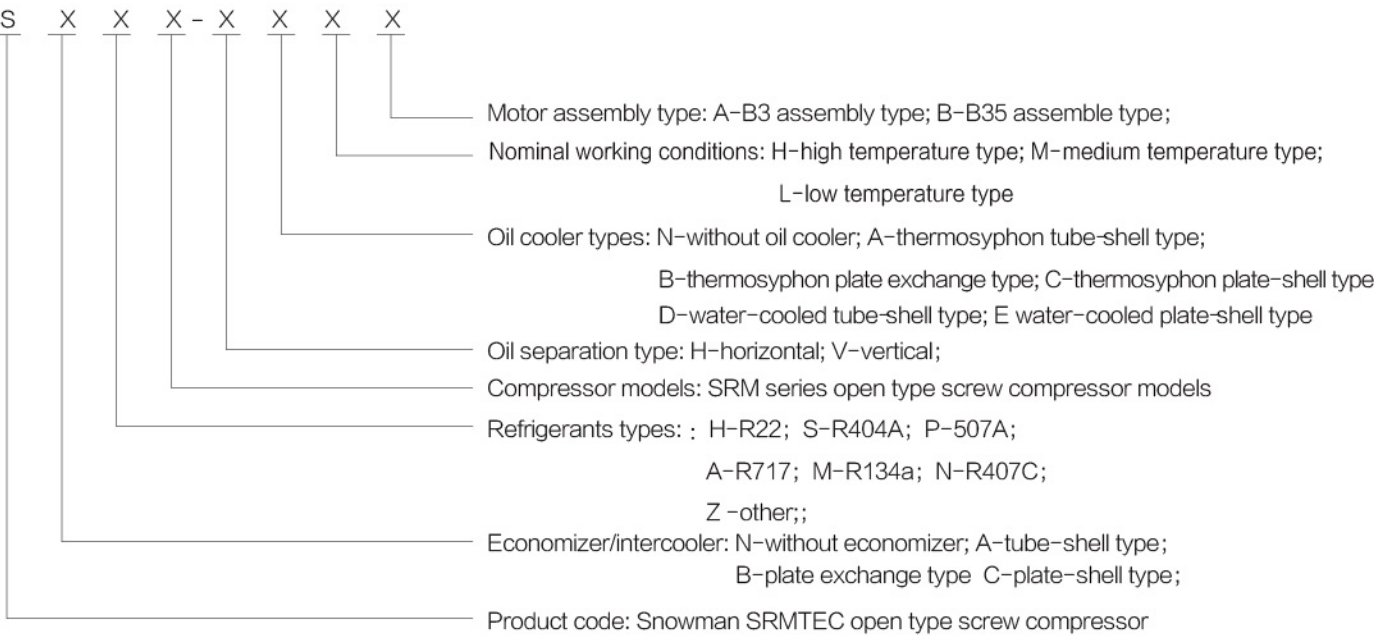
Anti-Reverse Flow Design

- In order to prevent the reverse flow during machine shut down, the package is equipped with check valves on the discharge- and suction side. The check valve on the discharge side is mounted on the discharge port of oil separator, and it can also prevent the liquid refrigerant of the evaporating condenser from flowing back to the oil separator during shut down.

Stable Product Quality

- Hundred years of SRM technology has been proved by global applications;
- Full performance test of package before delivery ensures product stability.

Package model PARAMETERS



Package working condition

Evaporating temperature: -45℃~20℃
Discharge temperature: ≤110℃
Oil supply temperature: 30℃~65℃
Ambient temperature: -15℃~+40℃
Refrigerant oil: only provided or authorized by snowkey
Cooling water condition: Cooling water quality should meet the requirement of Code For Design Of Industrial Recirculating Cooling Water Treatment
Entering temperature of cooling water: +15℃~+32℃

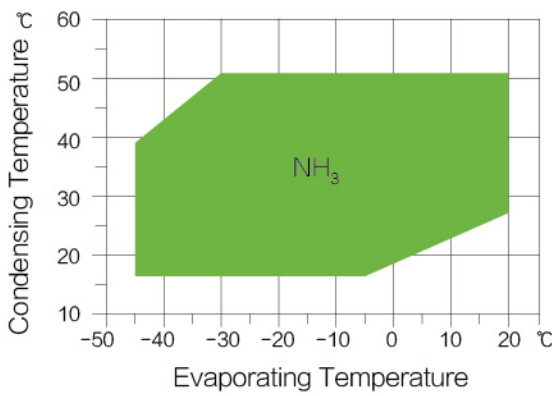
Package nominal working conditions instructions

High temperature working conditions: +5℃/35℃
Medium temperature working conditions: -15℃/35℃
Low temperature working conditions: -35℃/35℃

Design PARAMETERS

The design and manufactureing of the package conform to standards and PARAMETERSs below ;
GB9237-2001 safety requirement of mechanical refrigeration system for refrigeration and heating;
TSG21-2016 fixed pressure vessels safety and technical supervision;
GB/T19410 screw refrigeration compressor;
GB150 pressure vessel;
GB/T151 tube-shell heat exchanger;
97/23/EC Pressure Equipment Directive;
GB50054-2011 Code for Design of Low Voltage Electrical Installations;
GB50055-2011 General electric equipment distribution design PARAMETERS.

Open Type Single Stage Screw Compressor Application Range Diagram



Open type single stage screw compressor application range diagram

Applications

- Food industry
Systems for dumplings, rice dumplings, noodles, fish balls, cooking food, margarine.
- Aquaculture
Systems for fish, shrimp, oysters.
- Dairy industry
Canned food preservation,Low temperature drying.
- Cold drinks industry
Coffee and ice cream freezing
- Slaughter processing industry
Freezing and cold storage of pigs, cattle, sheep and chickens, ducks and other poultry meat.
- Low temperature cold storage and cold chain
Large , medium-sized and small cold storage, ultra-low temperature cold storage, fresh-keeping storehouse, chemicals constant temperature storage.
- Chemical pharmaceutical
Chemical process temperature control, pharmaceutical freeze-drying, pharmaceutical process temperature control.
- Construction industry
Block ice, plate ice, tube ice, ice sculptures , artificial snow and ice skating rink system.
- High temperature heat pump
Production technology, sanitary hot water, hot water heating air conditioning.
- Agriculture
Biological environment temperature control, quick-freezing vegetables and fruit, grain cooling, constant temperature and humidity storage, controlled atmosphere storage, the fruit ripening library.

Compressor Features

Rotor

- SRM "I" patent screw rotor profile, the optimal 5+7 tooth mesh combo, high efficiency, low vibration, stable-running ;
- Use high quality forged steel material, high wear resistance, high strength, strong liquid impact resistance, applicable to all kinds of refrigerants;
- Big shaft dimension, large torque.

Housing

- Adopt nodular cast iron material for high strength housing, design working pressure can be up to 2.8MPa;
- Can change the economizer port according to real conditions.

Bearing

- Precision high wear resistance composition rolling bearings can apply to high density refrigerant load; the design lifetime is 100,000 hours.

Shaft seal

- Innovative shaft seal structure, even load, stable running, low wear, highly sealing, prevent leakage effectively;
- Silicon carbide is used for wear resistant cover and can be suitable for speed up to10000rpm.

Vi control

Vi control can achieve the optimal pressure ratio, high efficiency and energy-saving. Single stage compressor is equipped with manual Vi control function, and is independent from capacity control, to ensure efficient running under different working conditions. Single stage screw compressor can also choose automatic Vi control to realize the switch between different working conditions.

Capacity control

- 10%–100% step-less capacity control and intelligent controller with accurate positioning;
- Capacity control structure is highly sensitive, can achieve load changes in 30 s;
- When without electricity, slide valve design can realize the unloading control;
- Equipped with the exclusivel capacity control cylinder explosion protection device.

Multiple points oil injection cooling

Multiple points oil injection cooling can ensure efficient and stable running of the compressor.

Sealing for whole package

- Adopt high class O-ring, super sealing which provides, safety with no leakage;
- Highly precise positioning, the compressor can run smoothly.

Motor features

- The package adopts open type asynchronous motor. The motor design is safe and reliable, highly efficiency, low vibration and low noise;
- The package is equipped with 380V low voltage motor, also can select 6 KV, 10kv or other motors;
- Start ways are star-delta starting, soft starting or variable frequency starting(high pressure motor can select direct starting);
- Assembly can be B3 or b35;
- Customers can select different motors according to real working condition.

Heat exchanger features

- The package is equipped with an intercooler to make high pressure liquid from condenser gain higher subcooling and improve system COP;
- The economizer type can be shell-tube, plate exchange and plate-shell;
- The single stage package adopts economizer under low temperature working condition. Under medium and high temperature working conditions, the economizer can be skipped.;
- Shell-tube heat exchanger tube box adopts arc welding, safe without leakage.

Oil supply system features

Oil separator

The package is equipped with efficient horizontal oil separator (can also use vertical) Adopt 4-stages oil separation system. Oil separation by hitting, gravity, packing, efficient molecular sieve increase oil separation efficiency to 3–5 ppm, The oil separator is equipped with: oil heater, oil sight glass and safety valve etc.

Oil cooler

- Unit is equipped with high efficiency shell tube type oil cooler, oil cooling mode can be either water cooling or working medium cooling;
- Shell-tube oil cooler tube box adopts arc welding, safety without leakage;
- Oil cooler can be plate exchange type(working medium cooling), plate shell type(water cooling and working medium cooling).

Oil pump

- The package adopts small oil pump for pre-lubrication, no oil pump is needed for oil supply when the system is running, which ensures reliability and power-saving;
- Oil pump is a rotor pump, running efficiently, compact structure, less wear part and long lifetime;
- All pressure oil supply can also be used to achieve wider application requirements.

Lubrication oil

We will recommend suitable lubricating oil according to refrigerant and the temperature condition, at the same time users can purchase lubricant according to the specification

Control center features

The system adopts international is famous brand PLC as control core, equipped with 64 k true color touch screen, the whole operation process can be controlled, and historical data can be saved.

Easy operation

User Friendly interactive interface, multiple languages to choose from. One-button operation mode simplifies the boot process full stop

Dynamic tracking

Real-time monitor with, touch screen can display system pressure, temperature, operation time, operation mode and the running status. Unit automatically records all fault messages, the fault messages include the detailed the description of the abnormal situation and the corresponding solution, the makes it convenient for maintenance staff to do rapid diagnosis and troubleshooting.

Safety protection

Equipped with preventive safety protection system, unattended operation is also safe.

Hierarchical password access

Provide the operator with a hierarchical security access password; in case non-professionals input incorrect parameters. There are 3 levels of access, and each level has its own password.

Inverter control

Can use frequency converter control, it can rationally distribute motor rotational torque, and enhance system efficiency.

Various communication modes

The system adopts remote / local control mode to start or stop; it can also be linked to the monitoring center by reserved bus protocol in real time.

Other options

Refrigerants

Suitable for R717、R507A、R22、R404A、R134a、R407C etc.

Double oil filters

Can adopt double oil filters, one is for spare, no need to shut down for maintenance.

All valves

Can adopt the tee-junction thermostatic control valves, to precisely control the oil temperature. Other valves are also available.

Permanent magnet synchronous motor

Permanent magnet synchronous motor for the unit is optional.,

Design code

ASME pressure vessel code.

★ Unit can be customized according to the special requirements of users.



12 series single stage compressor package PARAMETERS

Item		Unit	12 Series				
Compressor	Model		SRM-12L				
	Low Pressure Theoretical Displacement	m³/h	265				
	High Pressure Theoretical Displacement		Stepless regulation:10 ~ 100 %				
Refrigeran	Capacity Control Range		R717	R22	R507A		
Refrigeration Capacity	Type	kW	290	266	-		
	Low Temperature Working Condition	kW	133	126	138		
	Low Temperature Working Condition	kW	58	67	83		
Motor	High temperature working condition	kW	55	55	-		
	Medium temperature working condition	kW	55	55	75		
	Low temperature working condition(Eco)	kW	55	55	75		
	Power supply		3P、380V、50Hz				
	R.P.M	r/min	2960				
	Rotational direction		Face with motor shaft side: anti-clockwise				
Refrigeration Oil	Grade		RefComp A030、A055、B068				
	Standard		GB/T 16630 《Refrigeration Oil》				
	Charge volume	kg	120				
External Connecting Pipe Size	Suction pipe		mm	DN80			
	Discharge pipe	High/medium temperature	mm	DN50			
		Low temperature	mm	DN50			
	Economizer Liquid In/and Pipe		mm	DN32			
	Safety Valve Pipe		mm	DN32			
	Cooling Method	Working Medium Cooled	Liquid Inlet Tube	mm	DN32	DN32	DN25
			Gas Outlet Pipe	mm	DN50	DN50	DN40
			Working Medium Consumption Amount	kg/h	148	772	960
		Water Cooled	Water Inlet Pipe	mm	DN40	DN40	DN32
			Water Outlet Pipe	mm	DN40	DN40	DN32
			Cooling Water Amount	m³/h	10	10	7
			pressure drop	bar	≤0.88	≤0.88	≤0.88
Overall Dimension			High Temperature	L × W × H	mm	2800 × 1300 × 1800	
	Low Temperature	L × W × H	mm	2800 × 1300 × 1800			
Package Weight	Net Weight	kg	2500				
	Operation Weight	kg	2800				

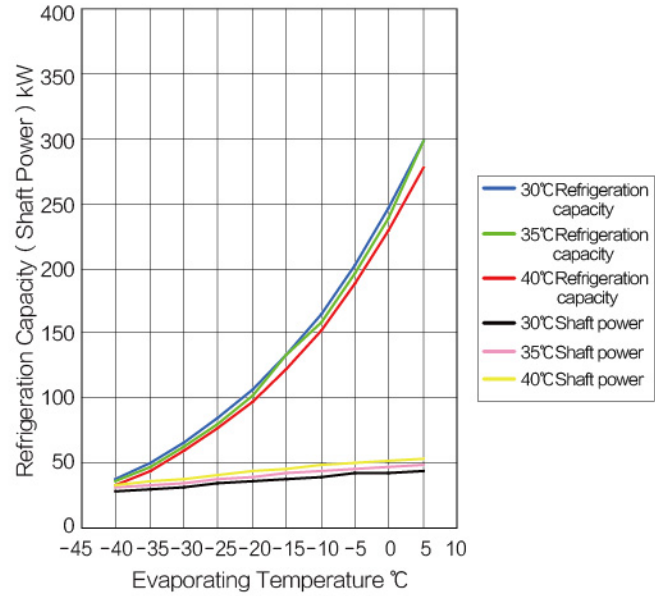
Note: 1. Motor power equipped for package shall be selected according to shaft power under actual running conditions, shaft power parameters shall be obtained according to compressor selection software.
2. Due to the differences of package real working conditions, the overall dimension and weight of the package may also differs, the actual design shall prevail.
3. Oil cooling method can be either water cooling or working medium cooling, Snowman recommends to use water cooling.
4. ECO means the package with economizer

12L series single stage compressor package performance PARAMETERS and curve

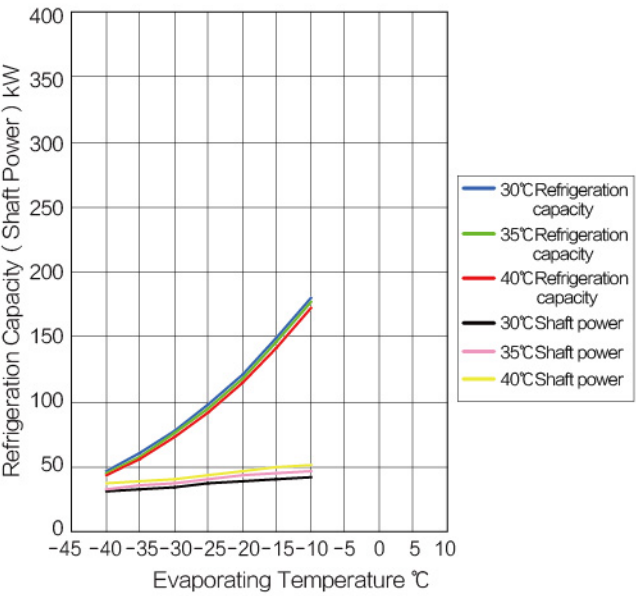
Tc Te	SNA12L-HA (R717)						SAA12L-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	38.2	35.8	33.2	28.3	30.8	33.6	47.2	45.1	42.7	30.4	33.3	36.6
-35	50.6	47.7	44.7	30.1	32.8	35.7	61.2	57.8	56.3	32.2	35.5	38.5
-30	65.8	62.5	59.0	32.1	35.0	38.1	78.0	75.5	72.7	34.4	37.6	41.0
-25	84.3	80.5	76.5	34.2	37.3	40.7	97.9	95.2	92.2	36.8	40.3	43.9
-20	106.7	102.3	97.6	36.3	39.6	43.3	121.2	118.4	115.1	38.9	42.9	46.8
-15	133.4	133	122.9	38.2	42.5	45.9	148.3	145.3	141.8	40.6	45.1	49.5
-10	165.1	159.2	152.9	40.0	44.0	48.3	179.6	176.2	172.5	41.5	46.7	51.7
-5	202.6	195.6	188.2	41.6	45.9	50.5						
0	246.7	238.3	229.7	42.7	47.4	52.4						
5	298.4	297.7	278.0	43.4	49.3	53.8						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA12L-HA (R717, Condensing Temperature: 30/35/40℃)



SNA12L-HA (R717, Condensing Temperature: 30/35/40℃)

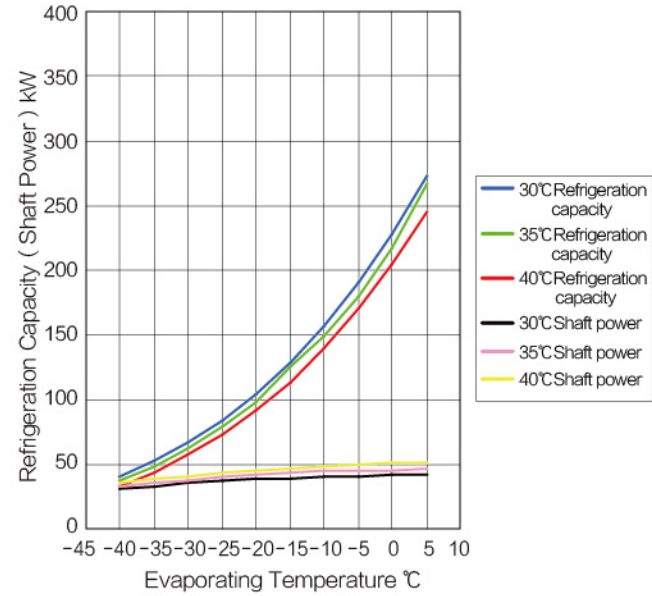


12L series single stage compressor package performance PARAMETERS and curve

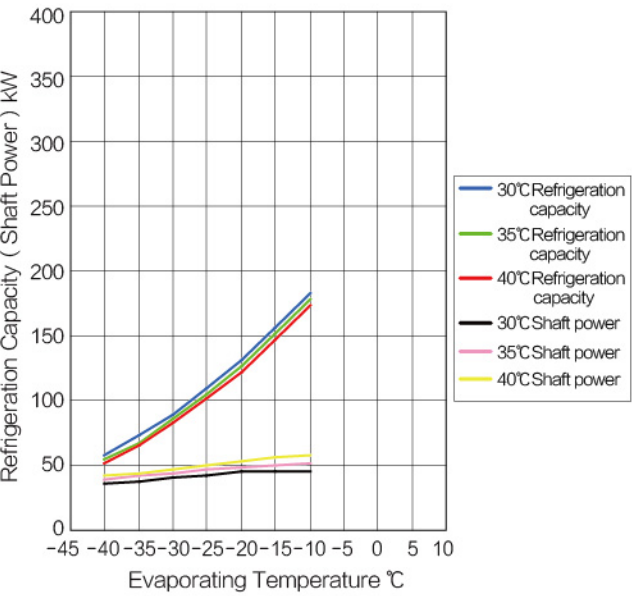
Tc Te	SNH12L-HA (R22)						SAH12L-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	40	36.8	33.3	30.8	32.8	34.9	58	55.3	52.1	35.7	38.6	41.5
-35	52	48.1	44	33.1	35.5	38.1	72.7	66.8	66.2	38.2	42.3	44.4
-30	66.5	61.9	57	35.1	37.9	40.9	89.6	86.3	82.5	40.7	44	47.5
-25	83.8	78.5	72.8	36.8	40	43.3	108.9	105.4	101.2	42.9	46.7	50.6
-20	104.5	98.2	91.5	38.3	41.7	45.4	130.9	127	122.5	44.7	48.9	53.4
-15	128.8	126.1	113.7	39.4	43.3	47.2	155.5	151.3	146.4	45.6	50.6	55.7
-10	157.2	148.7	139.8	40.3	44.3	48.6	183	178.5	173.1	45.8	51.3	57.3
-5	190.2	180.4	170.1	40.9	45.1	49.7						
0	228.4	217	205.1	41.3	45.7	50.4						
5	272.5	266.2	245.5	41.4	46.3	50.9						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH12L-HA (R22, Condensing Temperature: 30/35/40℃)



SAH12L-HA (R22, Condensing Temperature: 30/35/40℃)

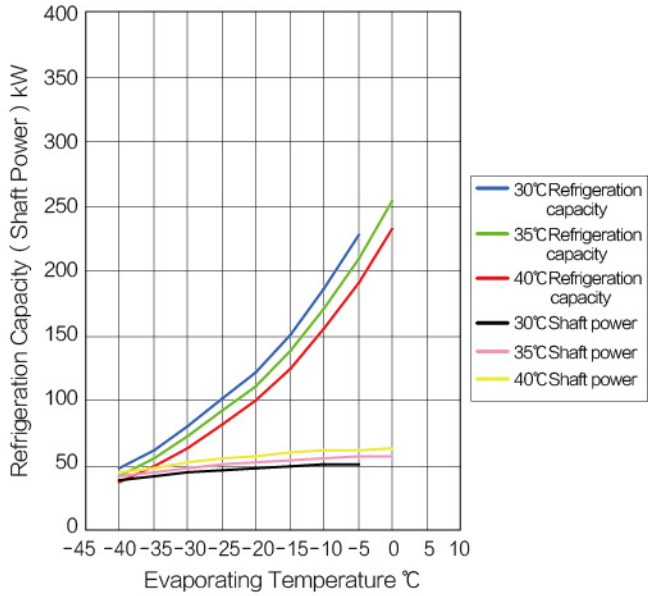


12L series single stage compressor package performance PARAMETERS and curve

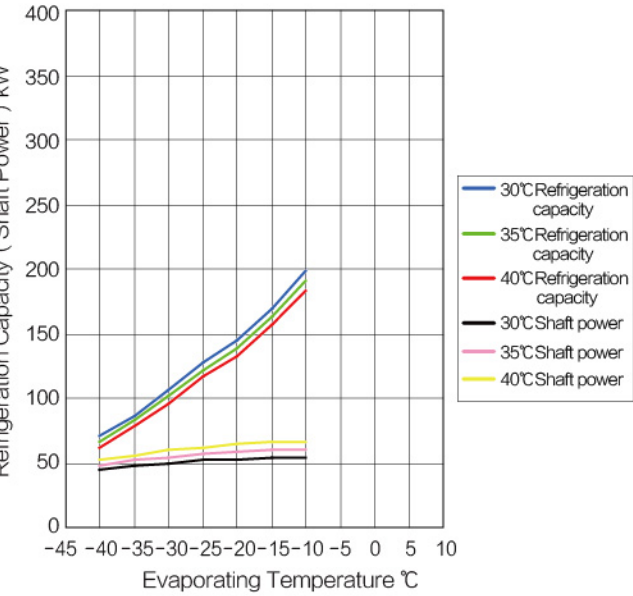
Tc Te	SNP12L-HA (R507A)						SAP12L-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	47.4	41.9	36.2	39.1	41.6	44.3	70.2	66.4	61.9	44.2	48.0	51.8
-35	62.1	55.4	48.6	41.9	45.0	48.2	86.9	82.6	77.9	47.3	51.7	55.8
-30	80.0	72.0	63.8	44.4	47.9	51.7	106.0	101.3	96.0	49.8	54.4	59.3
-25	101.8	92.1	82.3	46.5	50.5	54.7	127.6	122.1	116.2	51.7	56.8	62.3
-20	121.9	111.0	99.9	48.2	52.6	57.2	144.5	138.8	132.6	53.0	58.6	64.6
-15	151.4	138.4	125.3	49.5	54.1	59.3	170.0	163.4	156.4	53.5	59.6	66.1
-10	186.4	171.0	155.5	50.5	55.6	61.0	198.2	190.4	182.6	53.9	59.7	66.7
-5	227.7	209.2	191.1	51.0	56.4	62.1						
0	-	254.3	232.7	-	56.8	62.8						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP12L-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP12L-HA (R507A, Condensing Temperature: 30/35/40℃)



16 series single stage compressor package PARAMETERS

Item			Unit	16 Series									
Compressor	Model			SRM-16S			SRM-16M			SRM-16L			
	Low Pressure Theoretical Displacement		m³/h	435			544			652			
	High Pressure Theoretical Displacement			Step-less capacity control: 10~100%									
Refrigeran	Capacity Control Range			R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	
Refrigeration Capacity	Type		kW	519	458	—	649	555	—	778	666	—	
	Low Temperature Working Condition		kW	232	218	226	291	264	286	348	318	341	
	Low Temperature Working Condition		kW	102	117	137	129	142	172	155	172	205	
Motor	High temperature working condition		kW	90	90	—	110	110	—	132	160	—	
	Medium temperature working condition		kW	90	90	110	110	110	132	132	132	160	
	Low temperature working condition(ECO)		kW	75	90	110	110	110	132	110	132	160	
	Power supply			3P、380V、50Hz									
	R.P.M		r/min	2960									
	Rotational direction			Face with motor shaft side: anti-clockwise									
Oil Pump	Model			GG4195			GG4195			GG4195			
	Motor power		kW	0.75			0.75			0.75			
Refrigeration Oil	Grade			RefComp A030、A055、B068									
	Standard			GB/T 16630 《Refrigeration Oil》									
	Charge volume		kg	200			200			200			
External Connecting Pipe Size	Suction pipe		mm	DN125			DN125			DN125			
	Discharge pipe	High/medium temperature	mm	DN65			DN80			DN80			
		Low temperature	mm	DN50			DN65			DN65			
	Economizer Liquid In/and Pipe		mm	DN50			DN50			DN50			
	Safety Valve Pipe		mm	DN32			DN32			DN32			
	Cooling Method	Working Medium Cooled	Liquid Inlet Tube	mm	DN40	DN40	DN32	DN40	DN40	DN32	DN40	DN40	DN32
			Gas Outlet Pipe	mm	DN65	DN65	DN50	DN65	DN65	DN50	DN65	DN65	DN50
		Water Cooled	Working Medium Consumption Amount	kg/h	246	1325	1430	246	1325	1430	246	1325	1430
			Water Inlet Pipe	mm	DN50	DN50	DN40	DN50	DN50	DN40	DN50	DN50	DN40
			Water Outlet Pipe	mm	DN50	DN50	DN40	DN50	DN50	DN40	DN50	DN50	DN40
Cooling Water Amount			m³/h	15	15	12	15	15	12	15	15	12	
pressure drop			bar	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88
Overall Dimension	High Temperature	L × W × H	mm	3450 × 1500 × 2300			3450 × 1500 × 2300			3450 × 1500 × 2300			
	Low Temperature	L × W × H	mm	3450 × 1500 × 2200			3450 × 1500 × 2200			3450 × 1500 × 2200			
Package Weight	Net Weight		kg	3000			3300			3600			
	Operation Weight		kg	3800			4100			4400			

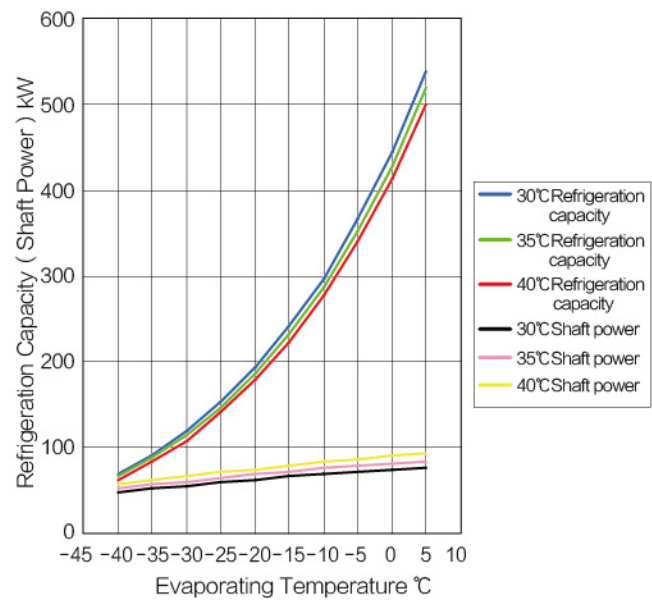
Note: 1. Motor power equipped for package shall be selected according to shaft power under actual running conditions, shaft power parameters shall be obtained according to compressor selection software.
2. Due to the differences of package real working conditions, the overall dimension and weight of the package may also differs, the actual design shall prevail.
3. Oil cooling method can be either water cooling or working medium cooling, Snowman recommends to use water cooling.
4. ECO means the package with economizer

16S series single stage compressor package performance PARAMETERS and curve

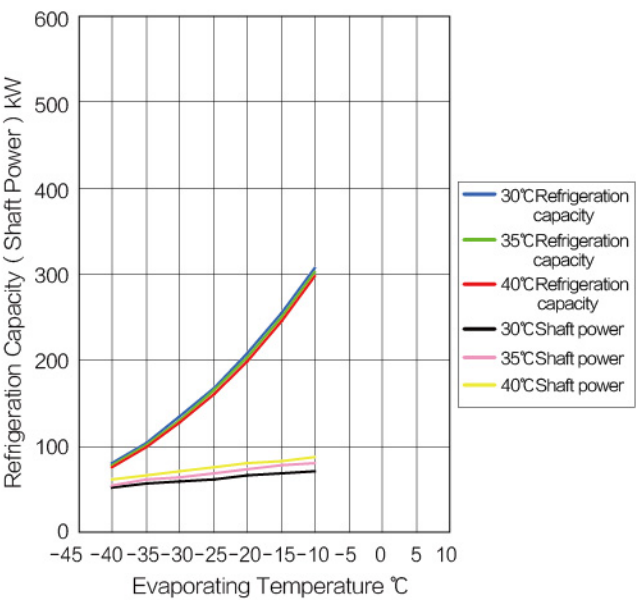
Tc Te	SNA16S-HA (R717)						SAA16S-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	69.6	65.8	61.6	49.0	53.2	57.6	81.1	78.1	74.7	52.0	55.5	62.1
-35	92.0	87.5	82.6	52.3	57.0	61.9	105.1	102.0	98.3	55.9	60.4	66.8
-30	119.5	114.2	108.6	55.7	60.9	66.3	133.9	130.5	126.6	59.5	64.9	71.3
-25	153.0	146.7	140.2	59.2	64.8	70.7	167.9	164.4	160.2	62.5	69.2	75.6
-20	193.0	185.8	178.2	62.6	68.6	75.1	207.7	204.0	199.5	65.4	73.2	79.6
-15	241.0	232.3	223.5	66.0	72.3	79.3	254.1	249.8	245.1	68.0	77.0	83.6
-10	297.6	287.5	277.0	69.0	75.8	83.3	307.6	302.8	297.7	70.3	80.6	87.5
-5	365.0	352.5	340.1	71.6	78.9	86.9						
0	444.0	429.0	414.0	74.0	81.7	90.2						
5	537.0	519.0	500.7	75.7	83.9	93.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA16S-HA (R717, Condensing Temperature: 30/35/40℃)



SAA16S-HA (R717, Condensing Temperature: 30/35/40℃)

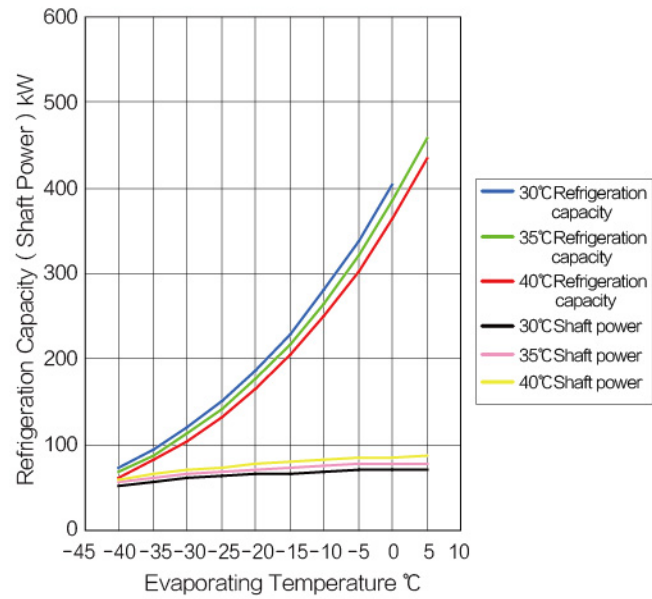


16S series single stage compressor package performance PARAMETERS and curve

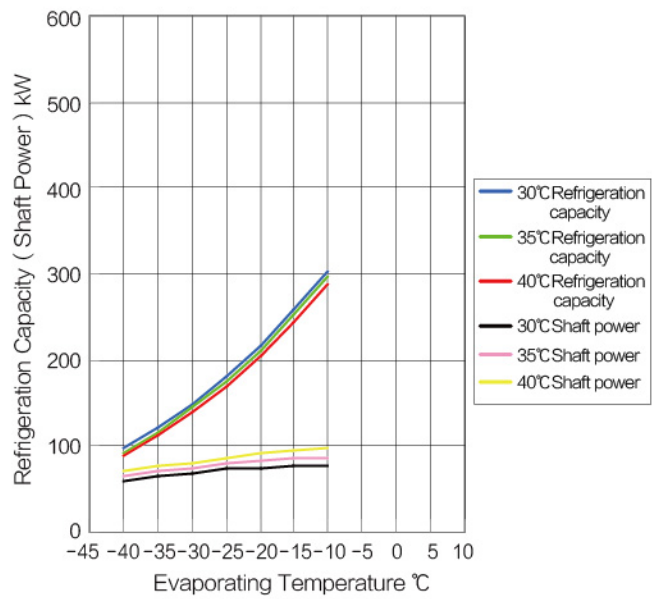
Tc Te	SNH16S-HA (R22)						SAH16S-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	73.5	68.3	60.8	52.5	56.0	59.5	96.7	93.2	89.0	60.0	65.8	70.0
-35	94.8	88.5	81.8	56.5	61.0	65.0	120.7	116.8	112.1	65.4	71.3	76.1
-30	120.4	113.0	105.0	60.3	65.1	70.2	148.5	144.2	139.1	69.7	75.4	81.3
-25	151.0	142.3	133.0	63.2	68.3	74.3	180.3	175.6	170.0	73.0	79.9	86.5
-20	187.3	177.0	166.0	65.3	71.2	77.5	216.3	211.0	205.2	75.5	82.4	91.4
-15	230.0	217.8	205.0	67.3	73.7	80.5	257.0	251.4	244.7	77.3	84.8	95.4
-10	280.0	265.4	250.6	68.8	75.6	82.9	302.3	296.1	289.0	78.3	86.7	98.1
-5	337.0	320.6	303.5	69.8	77.1	84.7						
0	403.3	384.4	364.8	70.4	78.0	86.0						
5	480.0	457.8	435.2	71.2	78.9	87.1						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH16S-HA (R22, Condensing Temperature: 30/35/40℃)



SAH16S-HA (R22, Condensing Temperature: 30/35/40℃)

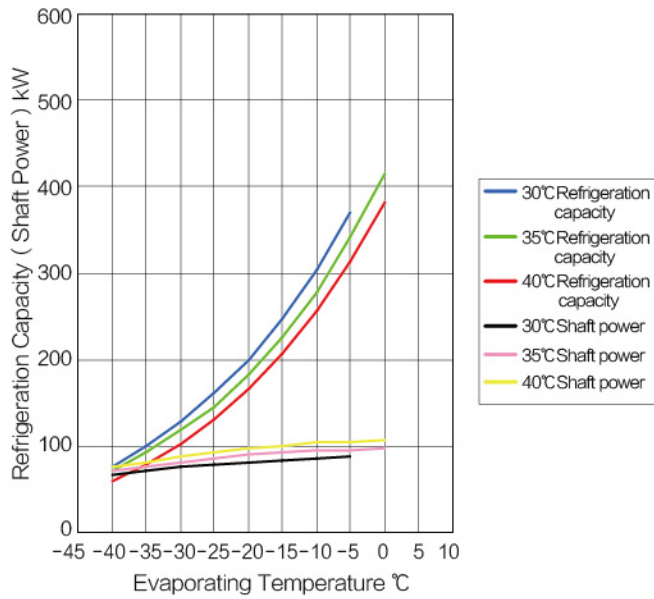


16S series single stage compressor package performance PARAMETERS and curve

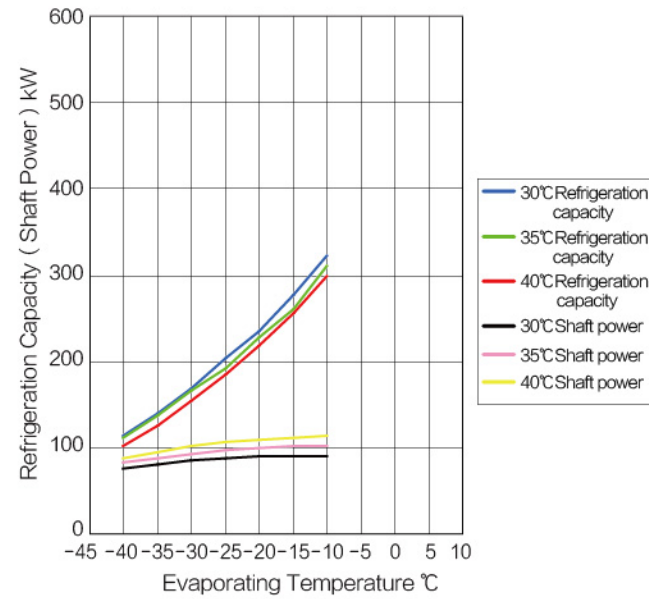
Tc Te	SNP16S-HA (R507A)						SAP16S-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	76.8	70.1	59.6	66.3	70.7	75.2	113.4	110.8	101.6	76.0	82.2	88.9
-35	100.0	91.9	78.9	71.1	76.4	81.8	139.6	136.9	126.2	80.8	88.0	95.6
-30	128.2	118.5	102.6	75.3	81.3	87.6	169.3	166.4	154.1	84.9	92.9	101.5
-25	162.2	144.4	130.4	78.9	85.7	92.7	202.8	191.1	183.8	88.0	96.9	106.4
-20	199.3	181.6	165.0	81.8	89.3	97.0	235.6	226.8	218.6	90.0	99.8	110.1
-15	247.1	226.0	206.4	84.1	92.2	100.6	276.8	309.7	257.2	90.8	101.3	112.5
-10	303.5	206.3	256.0	85.8	94.4	103.4	322.2	309.7	299.4	91.2	101.5	113.4
-5	370.1	340.8	313.9	86.7	95.9	105.5						
0	-	413.9	382.4	-	96.6	106.7						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP16S-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP16S-HA (R507A, Condensing Temperature: 30/35/40℃)

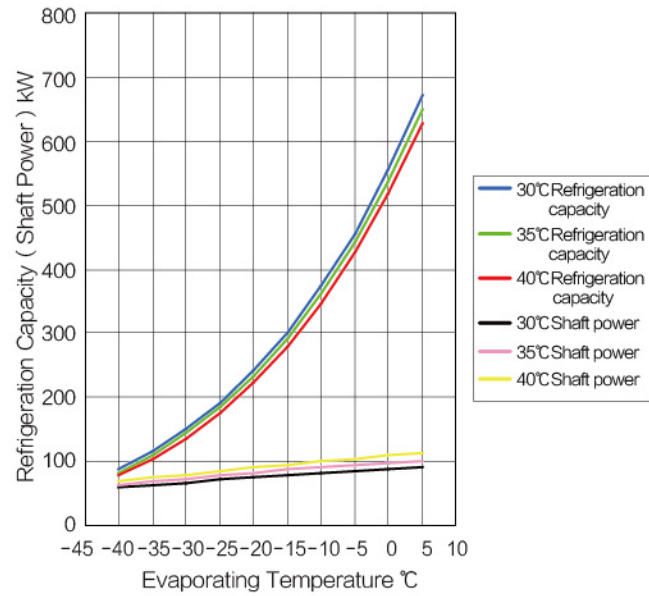


16M series single stage compressor package performance PARAMETERS and curve

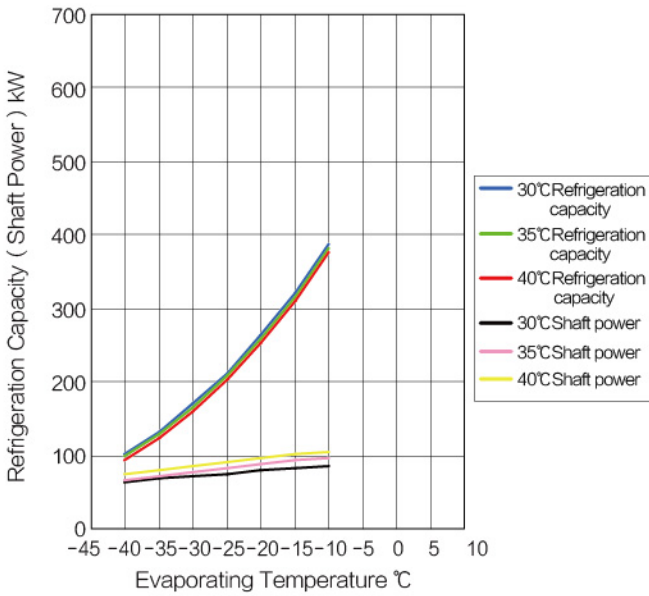
Tc Te	SNA16M-HA (R717)						SAA16M-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	87.2	82.4	77.1	58.8	63.9	69.3	102.7	99.0	94.7	62.4	66.8	747.7
-35	115.2	109.5	103.4	62.9	68.5	74.5	133.0	129.0	124.4	67.3	72.3	80.4
-30	149.5	143.0	135.8	67.1	73.2	79.8	169.2	165.1	160.1	71.6	78.2	85.8
-25	191.0	183.6	175.3	71.0	77.9	85.1	212.1	207.8	202.5	75.4	83.3	91.0
-20	241.3	232.4	222.8	75.5	82.5	90.3	262.3	257.7	252.1	78.8	88.1	96.0
-15	301.0	290.6	279.5	79.2	87.0	95.3	320.7	315.6	309.7	81.9	92.3	100.8
-10	371.9	359.5	346.5	82.8	91.1	100.5	388.2	382.5	376.1	84.7	97.1	105.5
-5	455.7	440.8	425.4	86.1	94.9	104.5						
0	554.7	536.6	518.0	88.9	98.1	108.5						
5	671.8	649.2	626.7	91.1	101.0	111.9						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA16M-HA (R717, Condensing Temperature: 30/35/40℃)



SAA16M-HA (R717, Condensing Temperature: 30/35/40℃)

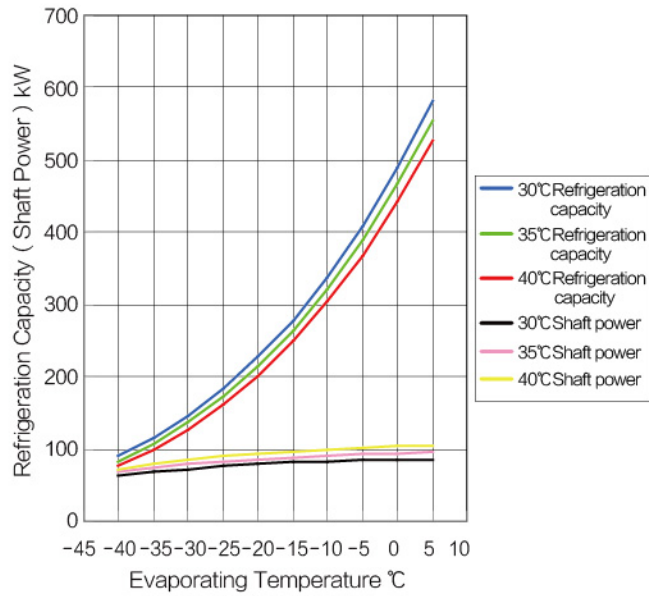


16M series single stage compressor package performance PARAMETERS and curve

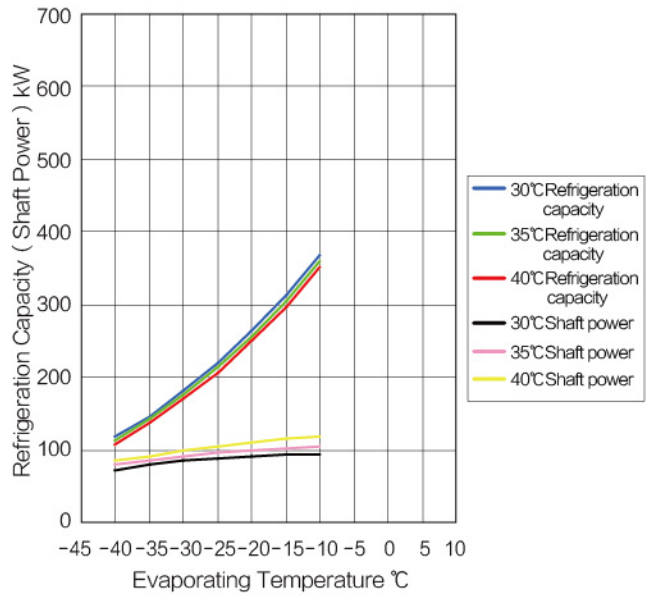
Tc Te	SNH16M-HA (R22)						SAH16M-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	89.3	83.0	76.2	63.3	67.4	72.0	117.8	113.5	108.4	72.2	79.2	84.0
-35	115.0	107.4	99.3	68.3	73.4	78.5	146.7	142.0	136.5	78.8	85.8	91.6
-30	146.0	137.0	127.4	72.5	78.4	84.4	180.3	175.1	169.1	83.9	91.2	98.4
-25	183.0	172.4	161.2	76.0	82.6	89.4	218.8	213.2	206.8	87.9	95.7	104.4
-20	226.9	214.5	201.5	78.8	86.0	93.6	262.5	256.5	249.5	90.9	99.2	109.4
-15	278.5	264.0	248.8	81.0	88.9	97.0	311.8	305.3	297.6	92.9	102.1	114.1
-10	338.7	321.8	304.2	82.7	91.0	100.0	367.1	359.7	351.3	94.2	104.4	118.3
-5	408.5	388.7	368.4	84.0	93.0	102.0						
0	489.1	466.0	442.5	85.0	94.0	103.7						
5	581.8	554.7	527.4	85.7	95.0	105.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH16M-HA (R22, Condensing Temperature: 30/35/40℃)



SAH16M-HA (R22, Condensing Temperature: 30/35/40℃)

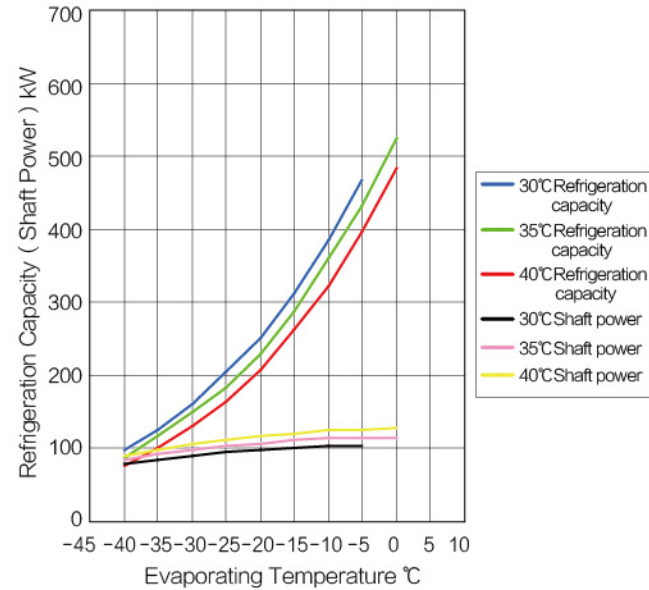


16M series single stage compressor package performance PARAMETERS and curve

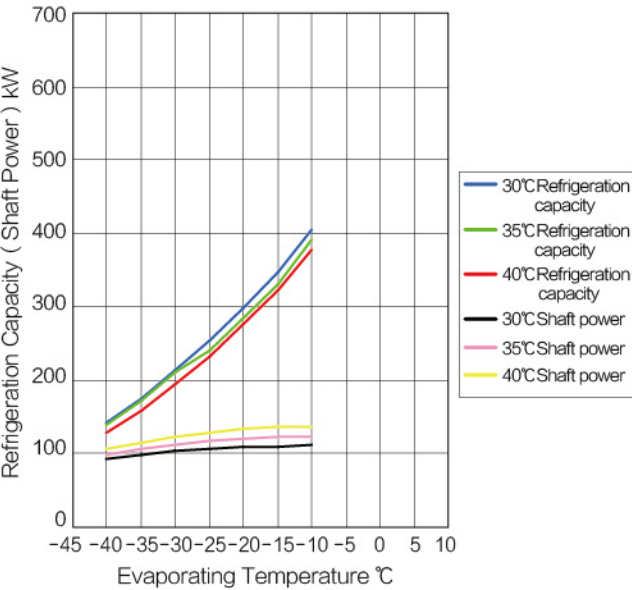
Tc Te	SNP16M-HA (R507A)						SAP16M-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	97.2	88.8	75.4	79.9	85.1	90.5	142.8	139.5	127.9	92.3	99.8	108.0
-35	126.5	116.3	99.9	85.6	91.9	98.4	175.8	172.4	158.9	98.2	106.8	116.1
-30	162.2	150.1	129.9	90.7	97.9	105.4	213.2	209.5	194.0	103.1	112.8	123.2
-25	205.3	182.8	165.0	95.0	103.1	111.6	255.5	240.7	231.5	106.8	117.6	129.1
-20	252.3	229.9	208.8	98.6	107.5	116.9	296.7	285.7	275.4	109.3	121.1	133.6
-15	312.8	286.1	261.2	101.3	111.0	121.2	348.6	390.0	324.0	110.2	123.0	136.5
-10	384.2	261.1	324.0	103.3	113.7	124.6	405.8	390.0	377.1	111.3	123.2	137.7
-5	468.5	431.3	397.3	104.4	115.4	127.0						
0	-	523.9	484.1	-	116.2	128.4						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP16M-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP16M-HA (R507A, Condensing Temperature: 30/35/40℃)

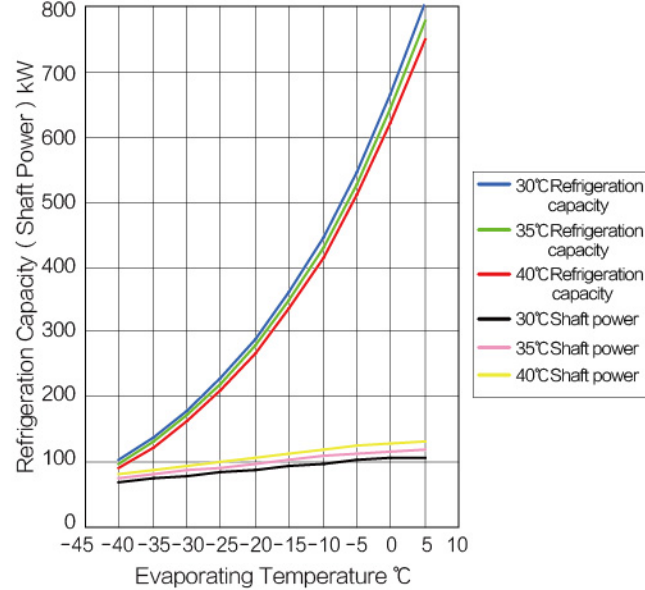


16L series single stage compressor package performance PARAMETERS and curve

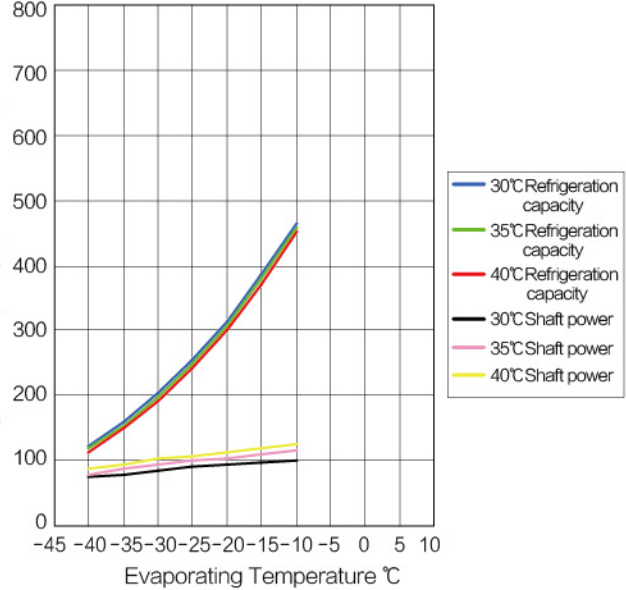
Tc Te	SNA16L-HA (R717)						SAA16L-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	104.5	98.7	92.5	69.8	76.4	82.4	123.0	118.6	113.5	74.3	79.3	88.6
-35	138.1	131.3	123.9	74.7	81.4	88.5	159.4	154.6	149.1	80.0	86.4	95.5
-30	179.2	171.4	162.8	79.6	86.9	94.8	202.9	197.7	191.9	85.1	92.9	102
-25	229.2	220.0	210.1	84.6	92.5	101.1	254.3	249.0	242.7	89.5	99.0	108.1
-20	289.2	278.5	267.1	89.4	98.0	107.3	314.4	308.9	302.2	93.7	104.4	114.0
-15	360.7	348.3	334.9	94.1	103.6	113.2	384.4	378.3	371.2	97.4	110.2	119.7
-10	445.7	430.9	415.3	98.4	109.0	119.4	465.3	458.5	450.7	100.7	115.4	125.3
-5	546.1	528.3	509.9	102.3	113.4	124.9						
0	664.8	643.1	620.9	105.5	116.6	128.8						
5	805.1	778.1	751.2	108.1	190.0	132.8						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA16L-HA (R717, Condensing Temperature: 30/35/40℃)



SAA16L-HA (R717, Condensing Temperature: 30/35/40℃)

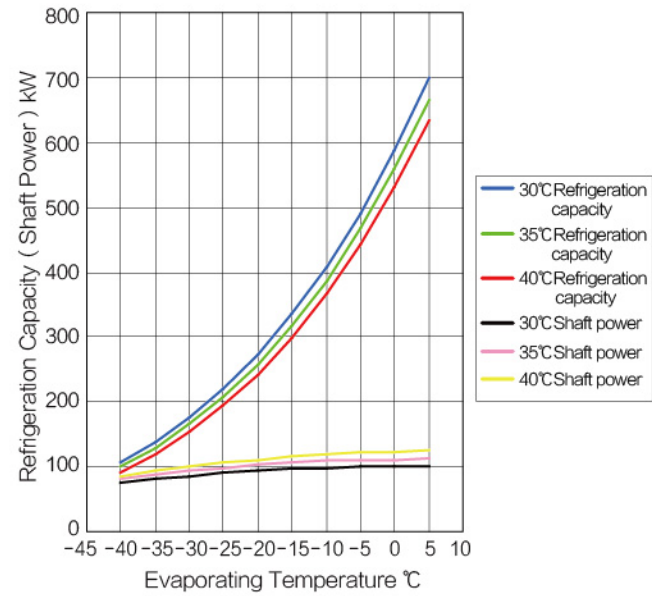


16L series single stage compressor package performance PARAMETERS and curve

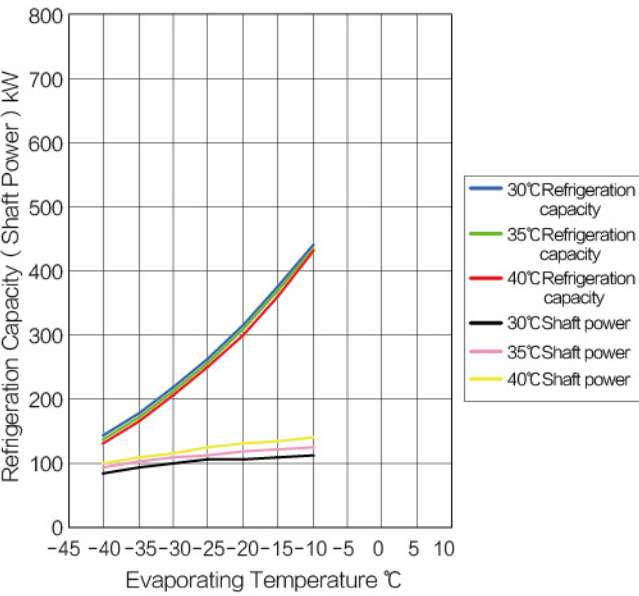
Tc Te	SNH16L-HA (R22)						SAH16L-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	108.1	100.5	92.5	75.2	80.4	85.0	142.6	137.6	131.7	85.6	94.0	99.6
-35	138.9	129.9	120.3	81.1	87.1	93.1	177.4	172.0	165.5	93.4	101.7	108.6
-30	176.1	165.4	154.0	86.1	93.0	100.2	217.8	211.7	204.7	99.5	108.1	116.5
-25	220.5	207.9	194.6	90.2	98.0	106.1	263.9	257.4	249.8	104.8	113.3	123.5
-20	273.1	258.3	242.7	93.5	102.1	111.1	316.3	309.3	301.0	107.6	117.5	130.0
-15	334.9	317.6	299.5	96.6	105.6	115.2	375.4	367.8	358.6	110.1	120.9	135.1
-10	407.0	386.8	365.7	98.8	108.5	118.5	441.6	432.9	430.0	111.6	123.6	140.2
-5	490.7	467.0	442.6	100.0	110.4	121.0						
0	587.4	560.0	531.4	101.0	111.3	123.0						
5	698.7	666.2	633.3	101.7	112.7	124.4						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH16L-HA (R22, Condensing Temperature: 30/35/40℃)



SAH16L-HA (R22, Condensing Temperature: 30/35/40℃)

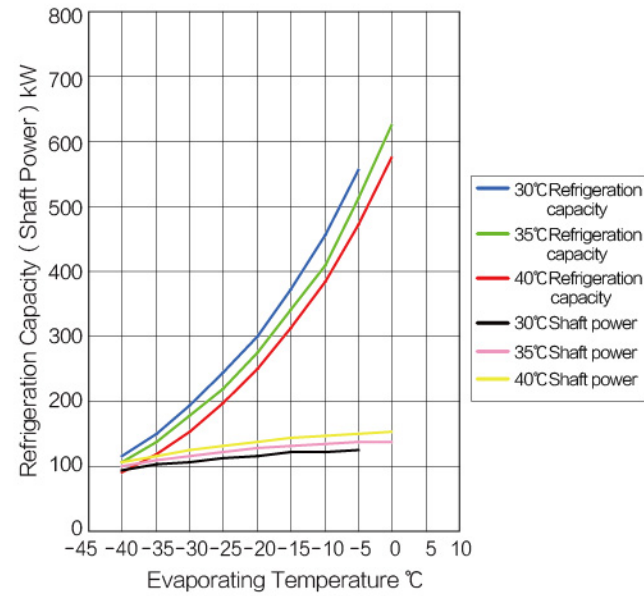


16L series single stage compressor package performance PARAMETERS and curve

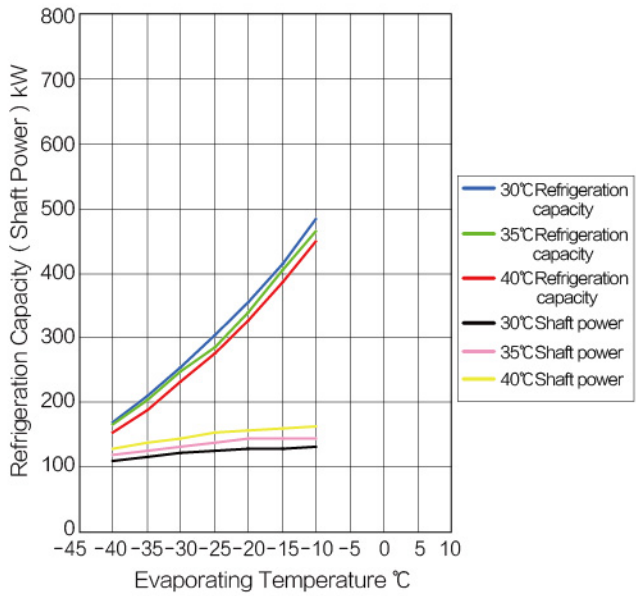
Tc Te	SNP16L-HA (R507A)						SAP16L-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	115.8	105.7	89.8	94.8	101.2	107.6	170.1	166.1	152.3	108.9	117.9	127.6
-35	150.6	138.5	118.9	101.7	109.2	116.9	209.2	205.2	189.1	115.8	126.1	137.1
-30	193.1	178.6	154.6	107.7	116.4	125.3	253.9	249.4	231.0	121.6	133.2	145.5
-25	244.4	217.7	196.5	112.9	122.5	132.6	304.1	286.6	275.6	126.1	138.9	152.5
-20	300.4	273.7	248.6	117.1	127.7	138.8	353.2	340.1	327.8	129.0	143.0	157.8
-15	372.3	340.6	311.0	120.4	131.9	144.0	415.0	464.3	385.7	130.1	145.3	161.3
-10	457.4	310.9	385.8	122.7	135.0	148.0	483.1	464.3	448.9	131.2	145.5	162.6
-5	557.8	513.5	473.0	124.0	137.1	150.9						
0	-	623.7	576.3	-	138.1	152.6						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP16L-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP16L-HA (R507A, Condensing Temperature: 30/35/40℃)



20 series single stage compressor package PARAMETERS

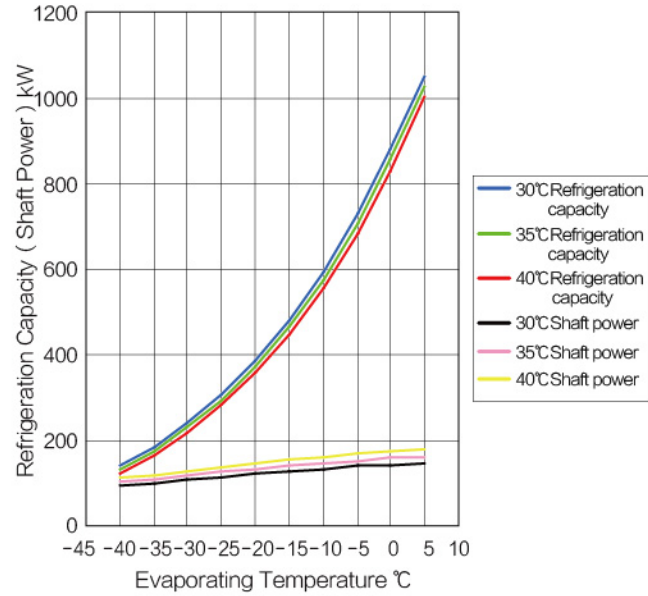
Item			Unit	20 Series												
Compressor	Model			SRM-20S			SRM-20M			SRM-20L			SRM-20LL			
	Low Pressure Theoretical Displacement		m³/h	850			1100			1270			1496			
	High Pressure Theoretical Displacement			Step-less capacity control: 10~100%												
Refrigeran	Capacity Control Range			R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	
Refrigeration Capacity	Type		kW	1027	916	—	1329	1185	—	1535	1358	—	1805	1618	—	
	Low Temperature Working Condition		kW	465	440	443	605	568	577	699	654	658	822	770	773	
	Low Temperature Working Condition		kW	208	237	247	268	305	324	309	356	378	380	434	444	
Motor	High temperature working condition		kW	180	180	—	220	220	—	250	250	—	280	280	—	
	Medium temperature working condition		kW	180	180	220	220	220	280	220	250	315	260	280	355	
	Low temperature working condition(ECO)		kW	160	160	200	200	200	250	220	220	280	220	260	355	
	Power supply			3P、380V、50Hz												
	R.P.M		r/min	2960												
	Rotational direction			Face with motor shaft side: anti-clockwise												
Oil Pump	Model			GG4195			GG4195			GG4195			GG4195			
	Motor power		kW	0.75			0.75			0.75			0.75			
Refrigeration Oil	Grade			SUNISO 4GS/3GS/SL-68S												
	Standard			GB/T 16630 《Refrigeration Oil》												
	Charge volume		kg	360			360			360			360			
External Connecting Pipe Size	Suction pipe		mm	DN150			DN150			DN150			DN150			
	Discharge pipe	High/medium temperature	mm	DN100			DN100			DN100			DN125			
		Low temperature	mm	DN65			DN80			DN80			DN80			
	Economizer Liquid In/and Pipe		mm	DN50			DN50			DN50			DN50			
	Safety Valve Pipe		mm	DN32			DN32			DN32			DN32			
	Cooling Method	Working Medium Cooled	Liquid Inlet Tube	mm	DN50	DN50	DN40	DN50	DN50	DN40	DN50	DN50	DN40	DN50	DN50	DN40
			Gas Outlet Pipe	mm	DN80	DN80	DN65	DN80	DN80	DN65	DN80	DN80	DN65	DN80	DN80	DN65
			Working Medium Consumption Amount	kg/h	506	2450	2365	506	2450	2365	506	2450	2365	506	2450	2365
		Water Cooled	Water Inlet Pipe	mm	DN80	DN80	DN65	DN80	DN80	DN65	DN80	DN80	DN65	DN80	DN80	DN65
			Water Outlet Pipe	mm	DN80	DN80	DN65	DN80	DN80	DN65	DN80	DN80	DN65	DN80	DN80	DN65
Cooling Water Amount			m³/h	32	32	24	32	32	24	32	32	24	32	32	24	
pressure drop			bar	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88
Overall Dimension	High Temperature	L × W × H	mm	3750 × 1700 × 2600			3750 × 1700 × 2600			3750 × 1700 × 2600			3750 × 1700 × 2600			
	Low Temperature	L × W × H	mm	3650 × 1650 × 2520			3650 × 1650 × 2520			3650 × 1650 × 2520			3650 × 1650 × 2520			
Package Weight	Net Weight		kg	4200			4500			4800			5200			
	Operation Weight		kg	5200			5500			5800			6200			
Note: 1. Motor power equipped for package shall be selected according to shaft power under actual running conditions, shaft power parameters shall be obtained according to compressor selection software. 2. Due to the differences of package real working conditions, the overall dimension and weight of the package may also differs, the actual design shall prevail. 3. Oil cooling method can be either water cooling or working medium cooling, Snowman recommends to use water cooling. 4. ECO means the package with economizer																

20S series single stage compressor package performance PARAMETERS and curve

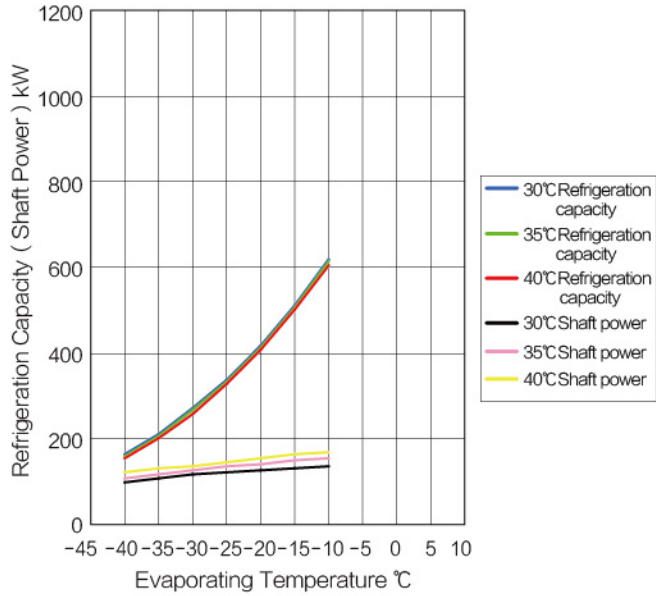
Tc Te	SNA20S-HA (R717)						SAA20S-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	139.7	132.2	124.1	94.5	103.0	111.4	164.6	159.6	153.7	100.6	110.0	120.1
-35	184.4	175.6	166	101.0	110.0	119.0	212.9	207.7	201.5	108.1	116.3	129.3
-30	239.2	228.9	217.7	107.7	117.6	128.2	270.8	265.4	258.9	114.9	125.6	137.9
-25	305.7	293.7	280.7	114.0	125.1	136.7	339.3	333.8	327.0	121.2	133.8	146.2
-20	385.6	371.6	356.6	121.3	132.4	145.0	414.9	413.8	406.8	126.2	141.2	154.4
-15	481.0	464.5	447	127.2	140.0	153.2	512.7	506.6	499.4	131.5	148.4	161.8
-10	594.1	574.5	554.1	133.0	146.4	161.0	620.4	613.7	606.2	136.1	155.8	170.0
-5	727.8	704.3	680.1	138.9	152.5	167.9						
0	877.9	856.8	827.9	142.7	157.7	175.0						
5	1049.8	1027.1	1000.9	146.3	162.3	180.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA20S-HA (R717, Condensing Temperature: 30/35/40℃)



SAA20S-HA (R717, Condensing Temperature: 30/35/40℃)

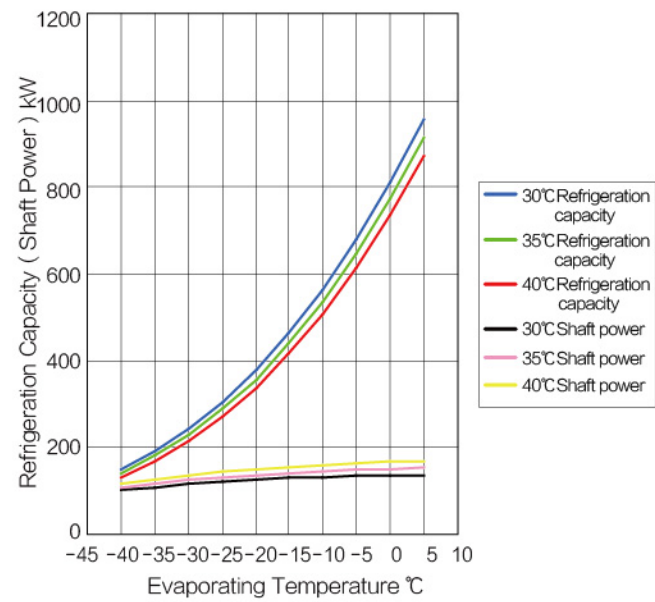


20S series single stage compressor package performance PARAMETERS and curve

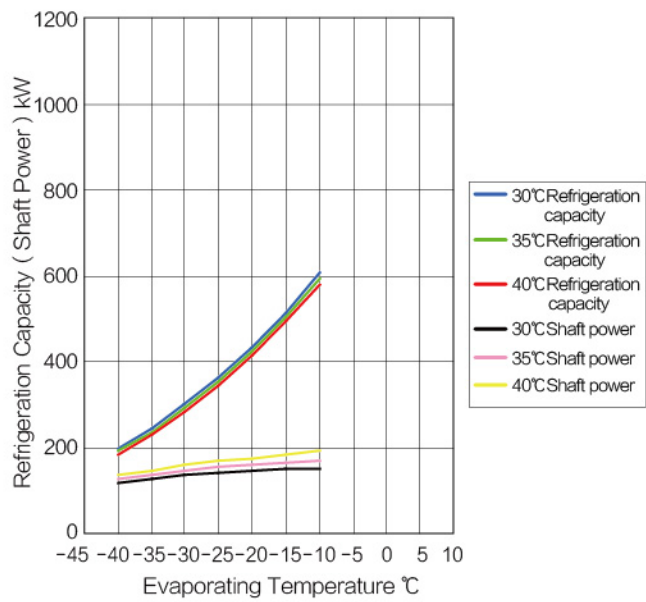
Tc Te	SNH20S-HA (R22)						SAH20S-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	151.1	141.0	130.3	101.6	108.4	115.0	197.2	190.9	183.3	116.2	128.0	135.3
-35	193.2	181.1	168.2	109.3	117.4	126.0	244.2	237.2	228.8	126.7	138.0	147.7
-30	244.3	229.9	214.6	116.5	125.3	135.5	298.9	291.1	281.9	135.0	147.0	158.5
-25	305.5	288.4	270.4	122.0	132.1	143.0	361.8	353.2	343.3	141.4	154.0	168.0
-20	378.2	358.1	336.9	126.3	137.9	150.0	433.5	424.2	413.0	146.2	159.7	176.3
-15	463.7	440.1	415.4	130.2	142.6	155.7	514.4	504.3	492.0	149.6	164.3	183.8
-10	563.2	535.7	506.9	133.1	146.3	160.3	604.8	593.3	580.0	152.0	167.9	190.9
-5	678.0	646.1	612.8	135.1	149.1	163.9						
0	809.5	772.3	734.0	136.3	150.9	166.5						
5	956.6	915.5	871.4	137.6	152.5	168.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH20S-HA (R22, Condensing Temperature: 30/35/40℃)



SAH20S-HA (R22, Condensing Temperature: 30/35/40℃)

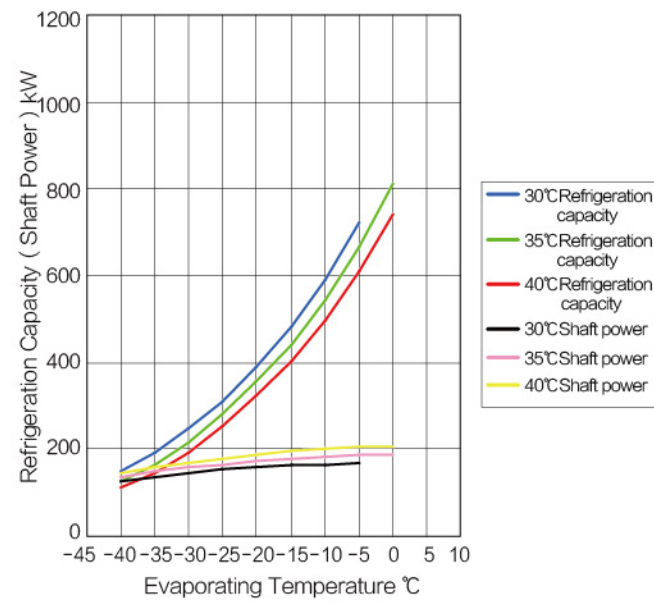


20S series single stage compressor package performance PARAMETERS and curve

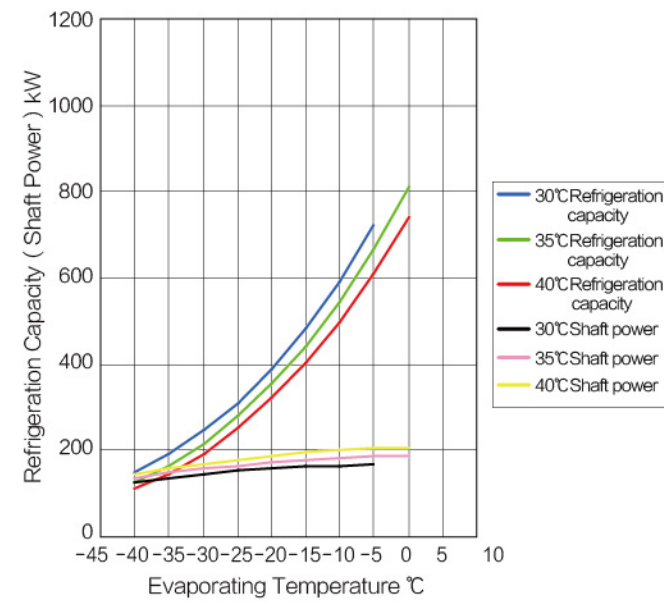
Tc Te	SNP20S-HA (R507A)						SAP20S-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	148.2	126.9	110.9	128.4	136.9	145.5	218.1	199.7	188.5	147.6	159.6	172.8
-35	192.6	166.1	146.6	137.6	148.5	158.2	267.9	246.5	233.7	156.9	170.8	185.9
-30	246.5	214.1	190.6	145.8	157.5	169.5	324.5	299.3	285.0	164.7	180.4	197.2
-25	311.7	283.4	254.6	152.7	165.8	179.4	388.4	373.7	357.7	170.7	188.0	206.5
-20	389.8	356.1	321.7	158.4	172.8	187.9	459.7	443.2	424.8	174.5	193.5	213.6
-15	482.7	442.8	402.1	162.8	178.5	194.8	538.9	519.9	499.3	175.9	196.4	218.1
-10	592.7	545.5	497.4	166.0	182.7	200.3	626.8	604.3	580.6	176.3	196.6	219.7
-5	722.6	666.8	610.0	167.8	185.5	204.2						
0	-	809.7	742.6	-	186.9	206.5						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP20S-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP20S-HA (R507A, Condensing Temperature: 30/35/40℃)

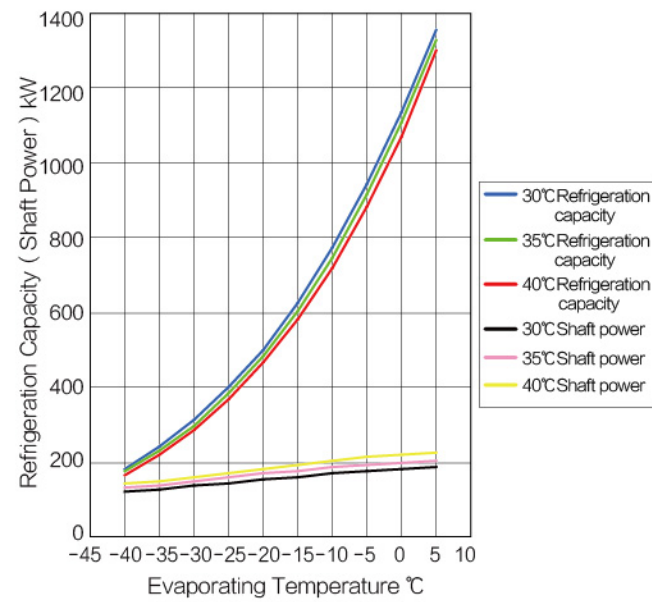


20M series single stage compressor package performance PARAMETERS and curve

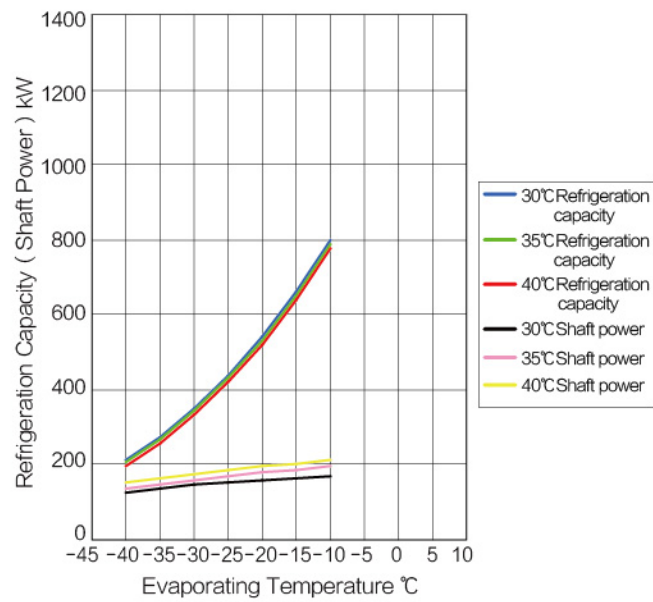
Tc Te	SNA20M-HA (R717)						SAA20M-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	182.6	173.1	162.5	119.3	130.0	140.5	212.8	206.0	197.3	126.7	135.0	151.0
-35	240.8	229.7	217.1	127.3	138.5	150.8	275.2	267.8	258.5	136.3	147.0	163.0
-30	312.2	299.0	284.4	135.4	148.0	161.4	349.9	342.0	332.0	145.0	158.4	174.0
-25	398.6	383.3	366.3	144.5	157.5	172.3	438.0	429.7	418.8	153.0	168.9	184.6
-20	502.3	484.5	464.6	152.5	167.8	182.8	540.9	532.2	520.6	160.0	178.5	194.7
-15	625.9	605.1	581.9	160.5	176.3	193.3	660.7	651.1	638.7	166.0	188.0	204.5
-10	772.6	747.9	720.9	167.9	184.8	203.0	799.0	788.4	775.0	172.0	197.0	214.0
-5	943.5	916.7	884.7	174.5	192.5	212.0						
0	1136.1	1111.5	1071.6	180.0	199.0	219.7						
5	1358.6	1329.2	1299.6	184.2	204.3	226.2						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA20M-HA (R717, Condensing Temperature: 30/35/40℃)



SAA20M-HA (R717, Condensing Temperature: 30/35/40℃)

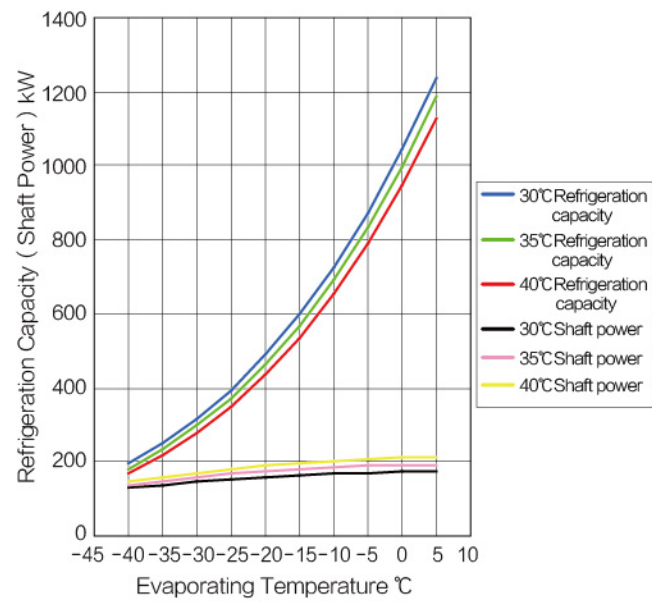


20M series single stage compressor package performance PARAMETERS and curve

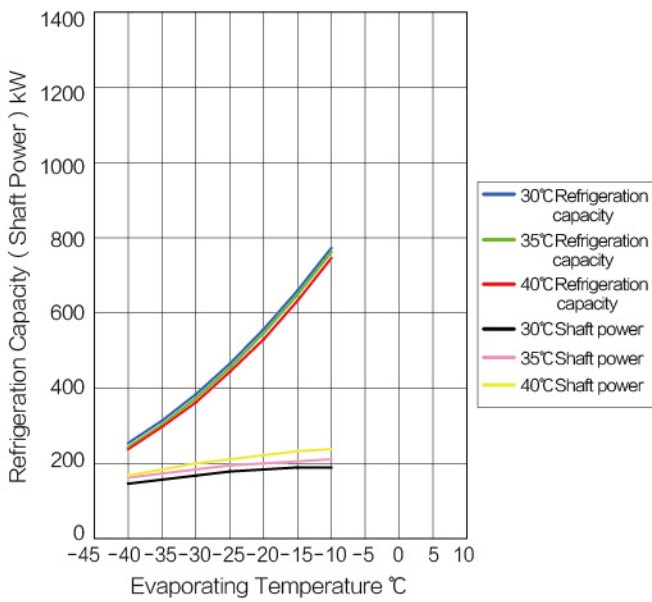
Tc Te	SNH20M-HA (R22)						SAH20M-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	195.5	182.4	168.6	128.3	136.6	145.0	253.7	245.4	235.7	145.9	160.3	170.0
-35	250.0	234.4	218.0	138.3	148.4	159.0	314.0	305.2	294.6	159.0	173.4	185.2
-30	315.8	297.4	278.0	146.7	158.6	171.0	384.1	374.4	363.0	169.4	184.3	199.0
-25	394.4	372.9	350.0	153.7	167.3	181.0	464.4	454.0	441.8	177.5	193.2	210.5
-20	487.7	462.4	435.6	159.7	174.2	189.4	555.8	544.7	531.2	183.5	200.3	221.0
-15	597.3	567.8	536.5	164.3	180.0	196.5	659.0	647.0	632.0	187.7	206.0	230.4
-10	725.2	690.8	654.4	167.9	184.6	202.3	774.5	760.7	744.5	190.3	210.6	239.0
-5	873.5	833.4	790.9	170.4	188.0	206.8						
0	1044.4	997.4	948.0	172.0	190.3	210.0						
5	1237.9	1185.2	1127.6	173.2	191.5	212.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH20M-HA (R22, Condensing Temperature: 30/35/40℃)



SAH20M-HA (R22, Condensing Temperature: 30/35/40℃)



20M series single stage compressor package performance PARAMETERS and curve

Tc Te	SNP20M-HA (R507A)						SAP20M-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	193.6	165.9	145.2	161.9	172.6	183.6	286.7	263.1	248.4	185.7	200.9	217.6
-35	251.0	216.8	191.4	173.6	186.4	199.6	351.6	323.8	307.2	197.3	214.8	233.7
-30	321.2	279.2	248.3	183.9	198.6	213.9	425.5	392.7	374.1	207.0	226.7	247.8
-25	406.0	369.6	331.6	192.6	209.1	226.3	509.0	490.5	469.0	214.5	236.3	259.4
-20	507.5	454.6	428.7	199.8	218.0	237.0	602.3	581.4	557.1	219.3	243.1	268.3
-15	628.4	577.3	523.6	205.4	225.1	245.8	705.9	682.2	654.4	221.2	246.9	274.0
-10	771.6	711.1	647.8	209.4	230.5	252.6	821.0	792.5	760.9	222.3	247.3	276.2
-5	940.4	868.9	794.4	211.7	234.0	257.5						
0	-	1054.5	967.0	-	235.6	260.4						
5	-	-	-	-	-	-						

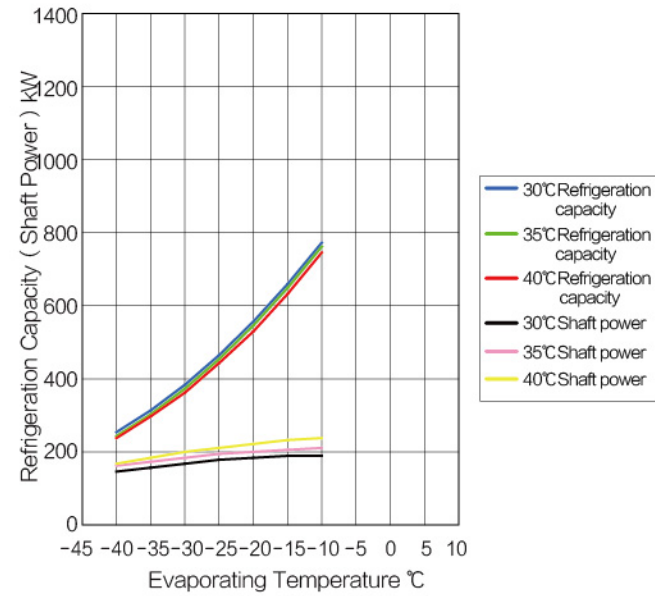
Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

20L series single stage compressor package performance PARAMETERS and curve

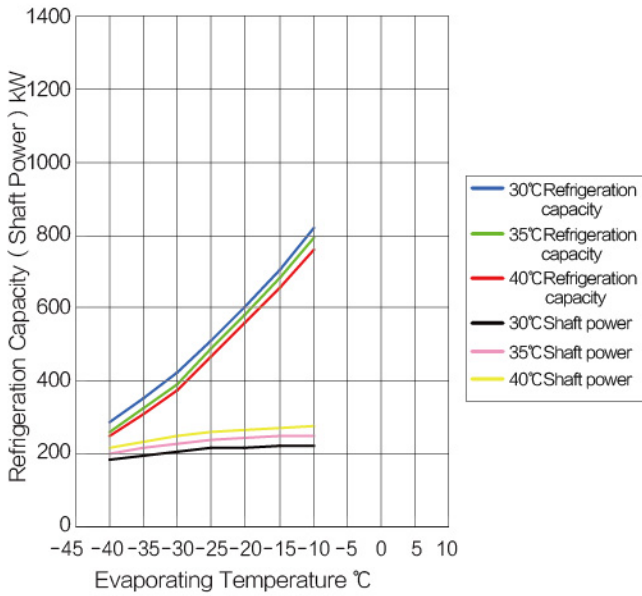
Tc Te	SNA20L-HA (R717)						SAA20L-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	211.1	200.2	188.7	137.1	149.0	161.5	246.0	237.9	229.0	145.0	155.1	173.0
-35	278.0	265.1	251.3	144.6	159.4	173.3	317.5	308.9	299.1	156.1	168.0	186.5
-30	360.1	345.0	328.7	155.9	170.2	185.6	403.4	394.3	383.5	166	181.4	199.2
-25	460.0	442.2	423.0	165.6	181.3	198.0	505.1	495.4	483.5	175.3	193.3	211.3
-20	580.0	559.3	536.5	175.1	192.1	210.3	624.3	614.0	600.9	183	204.3	227.0
-15	723.4	699.1	672.0	184.5	202.5	222.2	763.3	751.9	737.2	190.2	215.0	234.2
-10	893.8	864.9	832.4	193.0	212.9	233.3	924.0	911.3	894.5	196.9	225.2	245.1
-5	1089.3	1060.6	1021.3	200.4	221.5	244.0						
0	1311.7	1283.2	1242.8	206.9	228.8	252.5						
5	1568.5	1534.7	1500.4	211.6	234.8	260.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

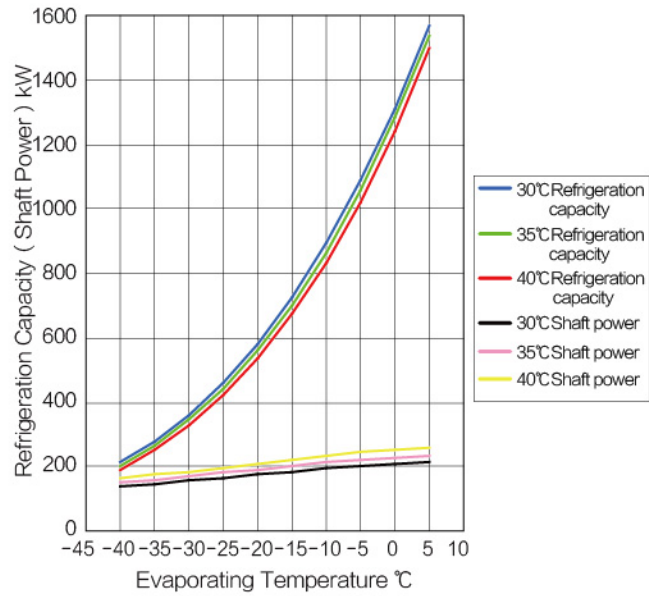
SNP20M-HA (R507A, Condensing Temperature: 30/35/40℃)



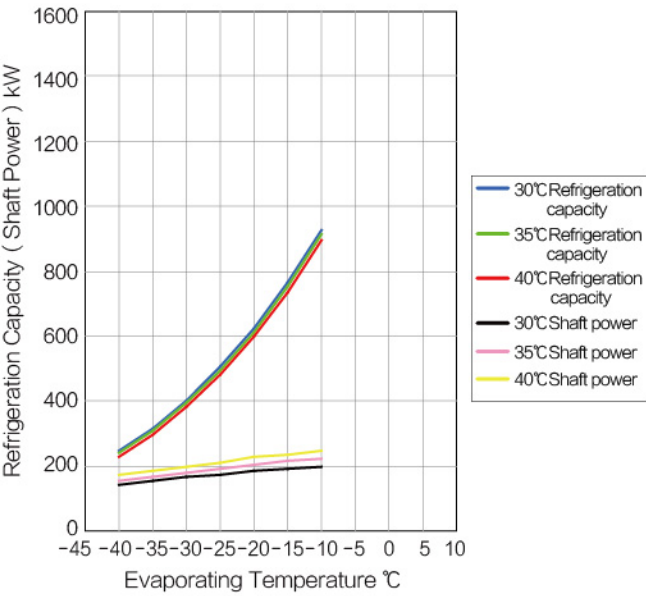
SAP20M-HA (R507A, Condensing Temperature: 30/35/40℃)



SNA20L-HA (R717, Condensing Temperature: 30/35/40℃)



SAA20L-HA (R717, Condensing Temperature: 30/35/40℃)

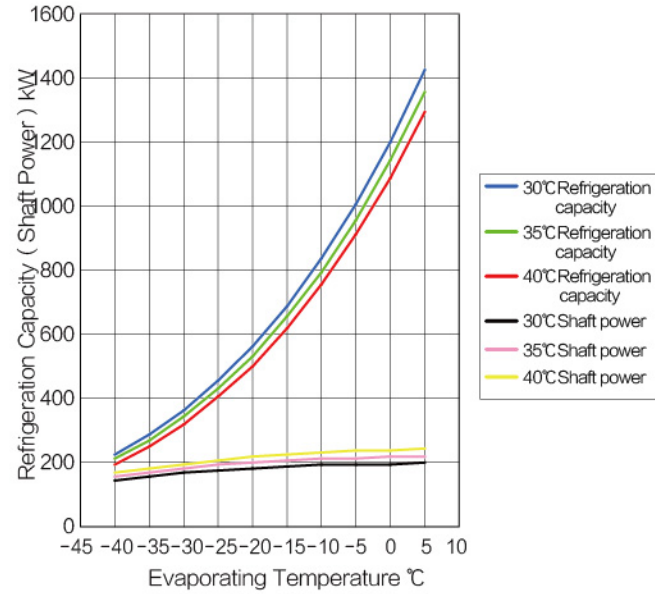


20L series single stage compressor package performance PARAMETERS and curve

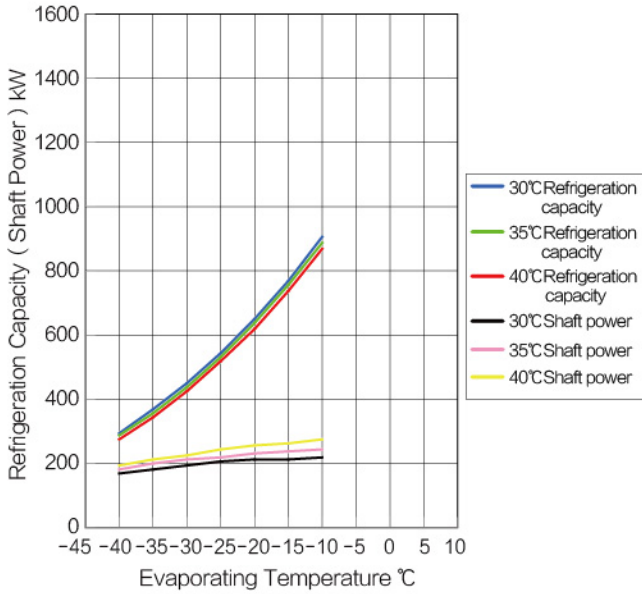
Tc Te	SNH20L-HA (R22)						SAH20L-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	225.0	210.3	195.0	146.8	156.5	165.7	295.4	286.4	276.1	167.5	184.1	195.1
-35	288.1	270.3	252.0	158.2	169.4	181.2	366.1	356.1	344.7	182.4	199.0	212.6
-30	364.4	343.0	321.0	168.0	181.6	195.5	448.3	436.8	424.3	194.9	211.4	227.5
-25	455.4	430.0	404.0	176.0	191.3	207.1	542.3	529.6	515.9	203.6	221.5	241.9
-20	563.3	533.1	502.4	182.3	199.0	216.3	649.1	635.0	619.7	210.4	230.0	253.4
-15	689.7	654.2	618.3	187.9	205.9	224.8	769.3	753.6	736.5	215.2	236.1	264.2
-10	837.0	795.2	753.4	192.0	210.8	231.6	903.6	885.4	866.7	218.3	241.3	274.0
-5	1007.1	958.1	909.6	194.6	214.7	236.7						
0	1202.3	1145.0	1088.9	196.7	217.7	240.2						
5	1425.2	1358.2	1293.3	198.5	220.0	243.1						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH20L-HA (R22, Condensing Temperature: 30/35/40℃)



SAH20L-HA (R22, Condensing Temperature: 30/35/40℃)

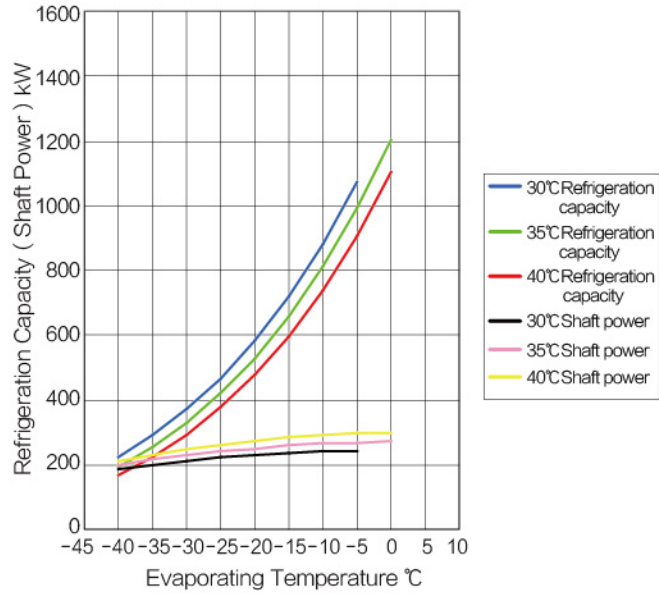


20L series single stage compressor package performance PARAMETERS and curve

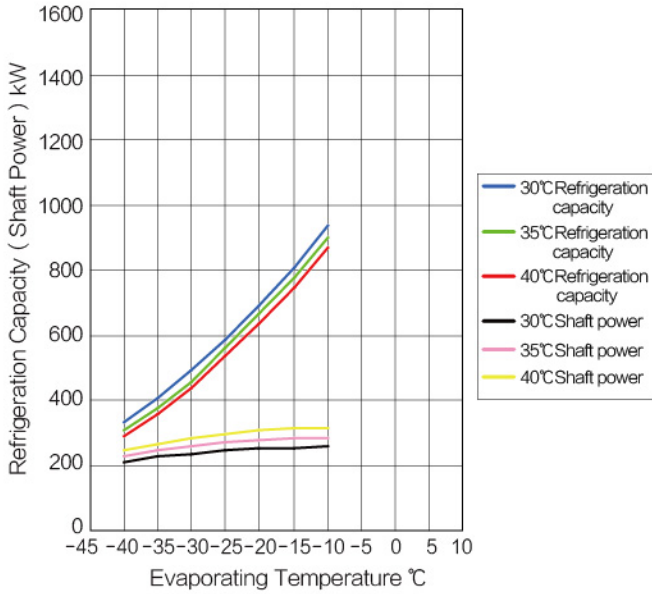
Tc Te	SNP20L-HA (R507A)						SAP20L-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	225.4	194.9	170.3	186.1	198.5	211.1	332.8	307.9	290.3	212.3	229.8	248.8
-35	291.6	254.0	224.0	199.6	214.3	229.5	407.3	378.2	358.6	225.6	245.6	267.2
-30	372.5	326.4	290.5	211.4	228.4	245.9	492.1	457.8	436.2	236.8	259.2	283.2
-25	465.7	424.4	378.6	221.5	240.5	260.2	582.2	558.8	533.8	245.3	270.1	296.5
-20	581.6	529.9	478.3	229.7	250.6	272.5	688.3	661.7	634.0	250.9	278.0	306.7
-15	719.5	658.2	597.6	236.2	258.8	282.6	806.1	774.7	744.8	253.0	282.4	313.3
-10	882.9	810.5	739.6	240.7	265.0	290.5	937.0	900.9	866.4	256.3	282.8	315.9
-5	1075.7	990.3	907.7	243.4	269.0	296.1						
0	-	1201.8	1105.8	-	270.9	299.5						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP20L-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP20L-HA (R507A, Condensing Temperature: 30/35/40℃)

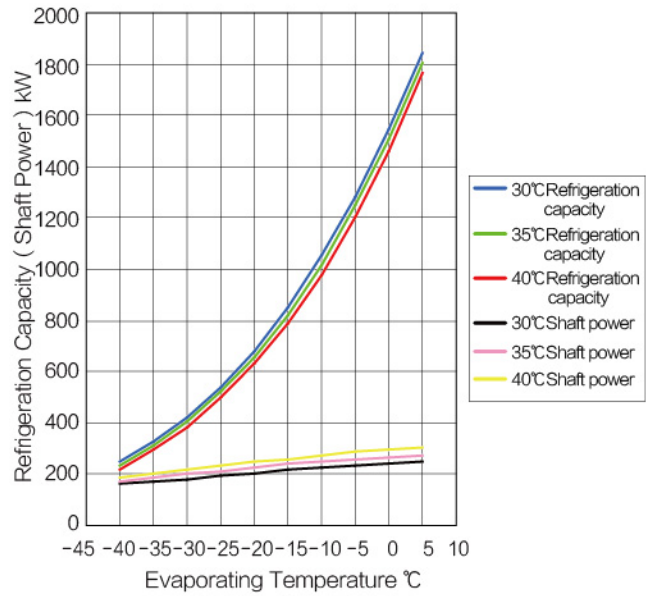


20LL series single stage compressor package performance PARAMETERS and curve

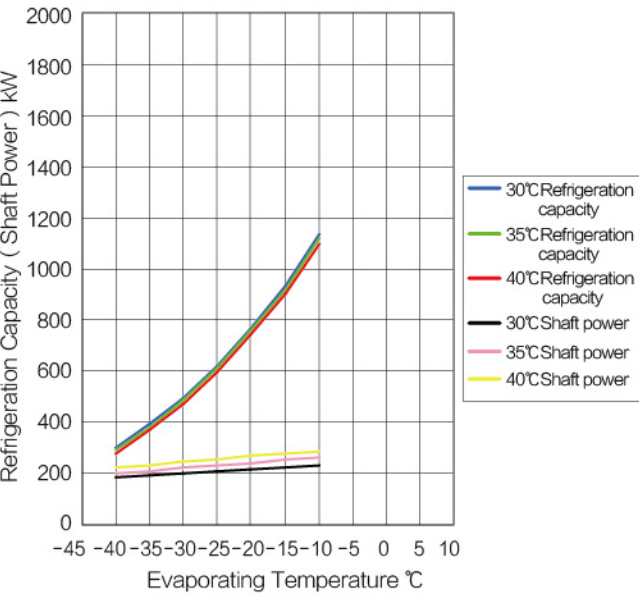
Tc Te	SNA20LL-HA (R717)						SAA20LL-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	248.4	235.5	222.0	161.3	175.3	189.8	302.0	292.4	281.6	181.8	200.4	220.5
-35	327.0	311.8	295.7	172.1	187.5	203.9	390.0	379.5	367.6	190.8	210.9	232.8
-30	423.6	405.8	386.7	183.4	200.3	218.3	494.9	484.0	471.1	200.1	221.6	245.2
-25	541.0	520.2	497.6	194.8	213.2	232.9	619.6	608.1	593.7	209.4	232.3	257.3
-20	682.3	658.0	631.1	206.2	226.0	247.4	765.9	753.3	737.8	218.3	242.4	269.0
-15	851.0	822.4	790.5	217.0	238.4	261.4	936.1	922.5	904.8	226.5	251.8	279.7
-10	1051.4	1017.5	979.2	227.1	250.0	274.6	1133.4	1118.2	1097.6	233.9	260.3	289.4
-5	1281.4	1247.4	1201.4	236.0	260.3	286.6						
0	1543.0	1509.6	1462.0	243.4	269.2	297.2						
5	1845.2	1805.3	1765.1	249.0	276.2	305.9						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA20LL-HA (R717, Condensing Temperature: 30/35/40℃)



SAA20LL-HA (R717, Condensing Temperature: 30/35/40℃)

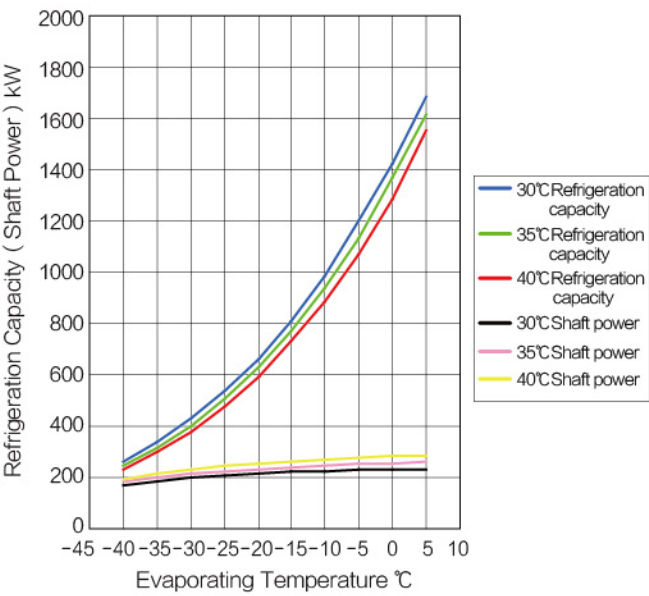


20LL series single stage compressor package performance PARAMETERS and curve

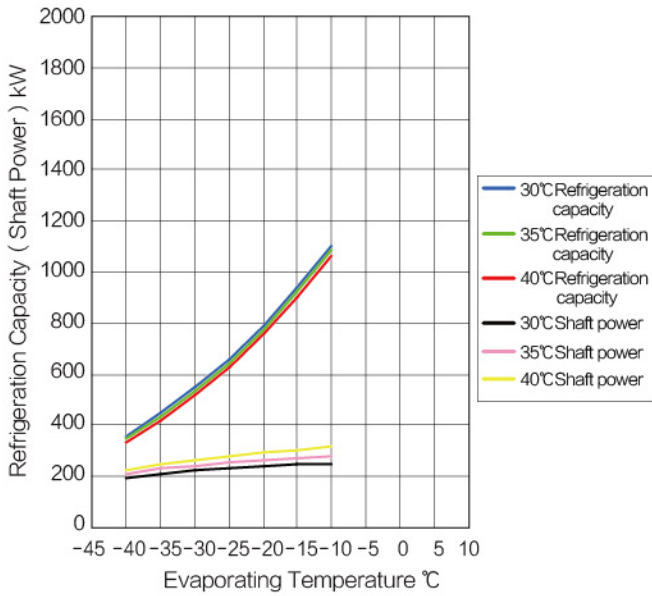
Tc Te	SNH20LL-HA (R22)						SAH20LL-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	264.7	247.4	229.4	171.9	183.2	194.4	360.0	349.2	336.8	192.0	211.5	224.5
-35	339.0	318.0	296.3	185.6	199.4	213.3	446.2	434.2	420.5	209.6	229.2	245.1
-30	428.6	403.5	377.6	197.1	213.1	229.4	546.6	532.9	517.9	223.7	243.7	263.2
-25	535.8	505.8	475.2	206.5	224.5	243.1	661.6	646.4	629.6	234.6	255.6	279.1
-20	662.6	627.1	591.1	214.1	233.9	254.5	792.0	775.1	756.8	242.6	265.2	293.2
-15	811.4	769.6	727.4	220.2	241.4	263.8	938.8	920.0	899.5	248.2	272.8	305.8
-10	984.6	935.4	886.3	224.8	247.4	271.4	1103.5	1081.8	1059.3	251.6	278.8	317.4
-5	1200.0	1127.1	1070.0	228.4	252.1	277.3						
0	1424.5	1370.0	1281.0	231.0	255.6	281.9						
5	1681.4	1617.7	1552.7	232.9	258.1	285.4						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH20LL-HA (R22, Condensing Temperature: 30/35/40℃)



SAH20LL-HA (R22, Condensing Temperature: 30/35/40℃)

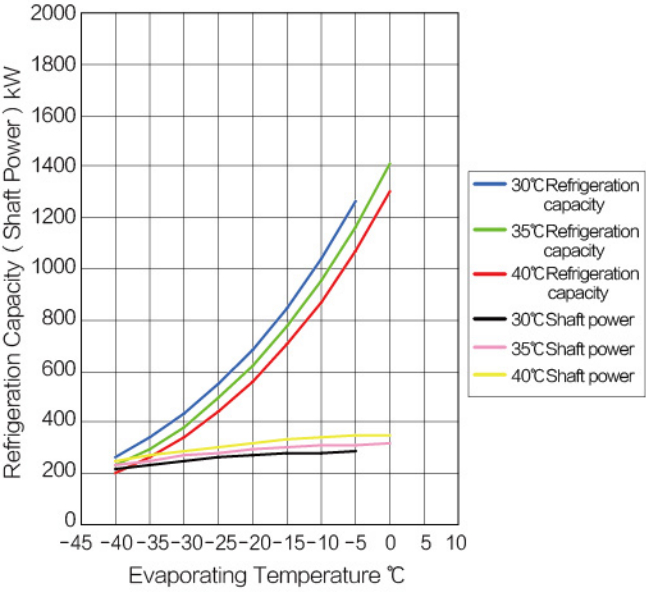


20LL series single stage compressor package performance PARAMETERS and curve

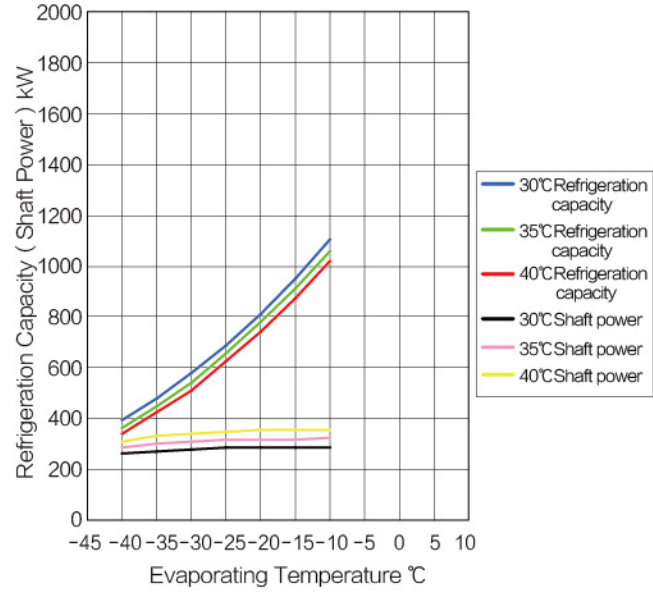
Tc Te	SNP20LL-HA (R507A)						SAP20LL-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	264.8	229.0	200.1	217.2	231.2	245.4	391.1	361.7	341.0	259.5	284.1	310.7
-35	342.6	298.4	263.2	234.5	251.6	269.2	478.5	444.4	421.4	270.7	298.3	328.2
-30	437.7	383.5	341.3	248.4	268.4	289.3	578.2	538.0	512.5	278.2	307.9	340.0
-25	547.2	498.7	444.9	260.0	282.6	306.0	684.1	656.6	627.2	282.4	313.8	347.8
-20	683.4	622.7	562.0	268.5	293.4	320.0	808.7	777.5	744.9	284.5	316.9	351.9
-15	845.4	773.4	702.1	275.2	302.1	330.4	947.1	910.3	875.1	285.1	318.1	353.8
-10	1037.5	952.3	869.1	280.3	308.8	338.8	1101.0	1058.6	1018.0	288.5	322.2	354.1
-5	1264.0	1163.5	1066.6	283.9	313.7	345.3						
0	-	1412.2	1299.3	-	317.3	350.1						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP20LL-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP20LL-HA (R507A, Condensing Temperature: 30/35/40℃)



26 series single stage compressor package PARAMETERS

Item			Unit	26 Series												
Compressor	Model			SRM-26S			SRM-26M			SRM-26L			SRM-26LL			
	Low Pressure Theoretical Displacement		m³/h	1659			2075			2478			2940			
	High Pressure Theoretical Displacement			Step-less capacity control: 10~100%												
Refrigeran	Capacity Control Range			R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	
Refrigeration Capacity	Type		kW	2005	1739	—	2507	2192	—	2994	2634	—	3550	3125	—	
	Low Temperature Working Condition		kW	908	838	866	1134	1053	1078	1359	1267	1299	1611	1504	1535	
	Low Temperature Working Condition		kW	409	457	498	515	605	624	625	706	748	753	855	885	
Motor	High temperature working condition		kW	315	315	—	400	400	—	500	500	—	560	560	—	
	Medium temperature working condition		kW	315	315	400	355	400	500	450	450	560	500	560	710	
	Low temperature working condition(ECO)		kW	250	280	400	315	400	450	355	450	560	450	500	630	
	Power supply			3P、380V、50Hz (Optional high voltage power system: 3P、6kV/10kV、50Hz)												
	R.P.M		r/min	2960												
	Rotational direction			Face with motor shaft side: anti-clockwise												
Oil Pump	Model			HJ4195			HJ4195			HJ4195			HJ4195			
	Motor power		kW	1.5			1.5			1.5			1.5			
Refrigeration Oil	Grade			SUNISO 4GS/3GS/SL-68S												
	Standard			GB/T 16630 《Refrigeration Oil》												
	Charge volume		kg	540			540			540			540			
External Connecting Pipe Size	Suction pipe		mm	DN250			DN250			DN250			DN250			
	Discharge pipe	High/medium temperature	mm	DN125			DN150			DN150			DN150			
		Low temperature	mm	DN80			DN100			DN100			DN125			
	Economizer Liquid In/and Pipe		mm	DN50			DN50			DN50			DN50			
	Safety Valve Pipe		mm	DN32			DN32			DN32			DN32			
	Cooling Method	Working Medium Cooled	Liquid Inlet Tube	mm	DN65	DN65	DN50	DN65	DN65	DN50	DN65	DN65	DN50	DN65	DN65	DN50
			Gas Outlet Pipe	mm	DN100	DN100	DN80	DN100	DN100	DN80	DN100	DN100	DN80	DN100	DN100	DN80
		Water Cooled	Working Medium Consumption Amount	kg/h	903	4275	3056	903	4275	3056	903	4275	3056	903	4275	3056
			Water Inlet Pipe	mm	DN100	DN100	DN80	DN100	DN100	DN80	DN100	DN100	DN80	DN100	DN100	DN80
			Water Outlet Pipe	mm	DN100	DN100	DN80	DN100	DN100	DN80	DN100	DN100	DN80	DN100	DN100	DN80
Cooling Water Amount			m³/h	50	50	40	50	50	40	50	50	40	50	50	40	
pressure drop			bar	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	
pressure drop			bar	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	
Overall Dimension	High Temperature	L × W × H	mm	4900 × 2150 × 3550			4900 × 2150 × 3550			4900 × 2150 × 3550			4900 × 2150 × 3550			
	Low Temperature	L × W × H	mm	4900 × 2150 × 3550			4900 × 2150 × 3550			4900 × 2150 × 3550			4900 × 2150 × 3550			
Package Weight	Net Weight		kg	9000			9500			10000			10500			
	Operation Weight		kg	10000			10500			11000			11500			

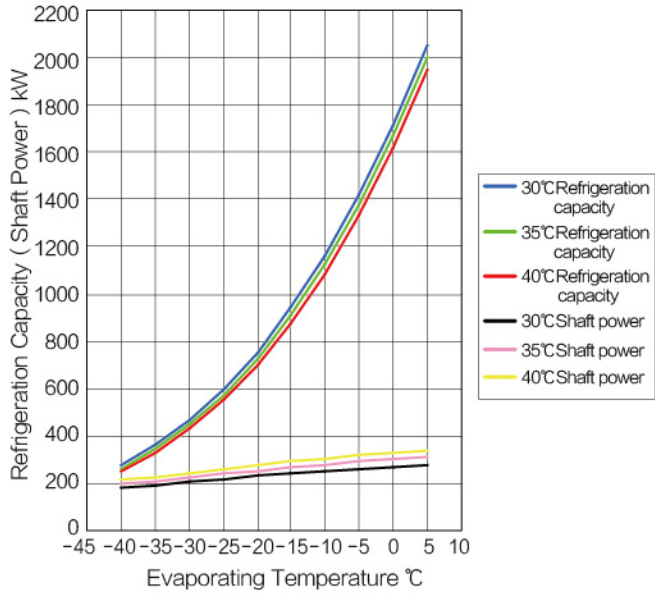
Note: 1. Motor power equipped for package shall be selected according to shaft power under actual running conditions, shaft power parameters shall be obtained according to compressor selection software.
2. Due to the differences of package real working conditions, the overall dimension and weight of the package may also differs, the actual design shall prevail.
3. Oil cooling method can be either water cooling or working medium cooling, Snowman recommends to use water cooling.
4. ECO means the package with economizer

26S series single stage compressor package performance PARAMETERS and curve

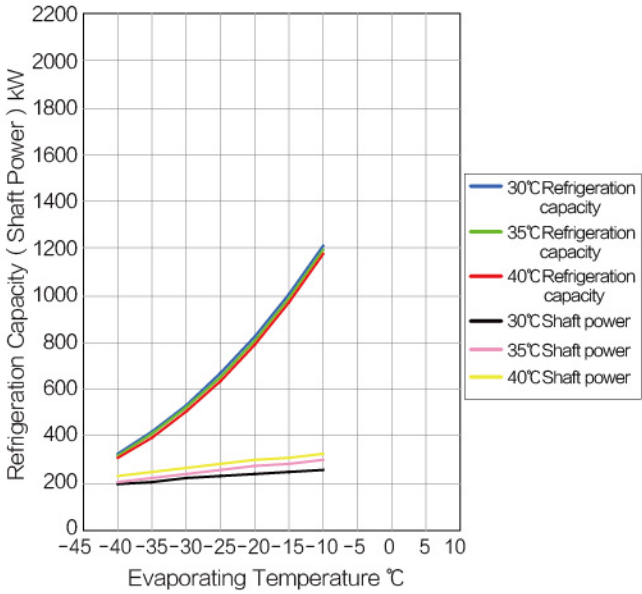
Tc Te	SNA26S-HA (R717)						SAA26S-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	278.1	263.0	248.4	180.3	195.9	212.4	328.1	316.7	305.6	193.9	207.7	231.9
-35	364.5	346.8	329.5	192.2	209.5	227.8	421.6	409.3	397.3	208.3	225.4	249.4
-30	470.8	450.0	429.7	204.8	223.7	243.9	533.8	520.7	507.7	221.9	242.0	266.0
-25	600.0	575.7	552.0	217.4	238.2	260.3	666.8	652.8	638.7	233.0	257.6	281.8
-20	755.4	727.2	699.4	230.4	252.3	276.5	822.8	807.9	792.8	243.4	272.2	297.0
-15	941.1	908.2	875.5	242.6	266.4	292.0	1004.6	988.3	971.9	252.8	286.0	311.5
-10	1161.6	1122.8	1084.1	253.8	279.3	306.9	1214.8	1196.8	1178.8	261.2	299.0	325.6
-5	1422.1	1375.9	1329.8	263.8	290.9	320.3						
0	1713.5	1673.0	1617.4	272.0	300.7	332.0						
5	2049.0	2004.7	1952.8	278.0	308.5	341.1						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA26S-HA (R717, Condensing Temperature: 30/35/40℃)



SAA26S-HA (R717, Condensing Temperature: 30/35/40℃)

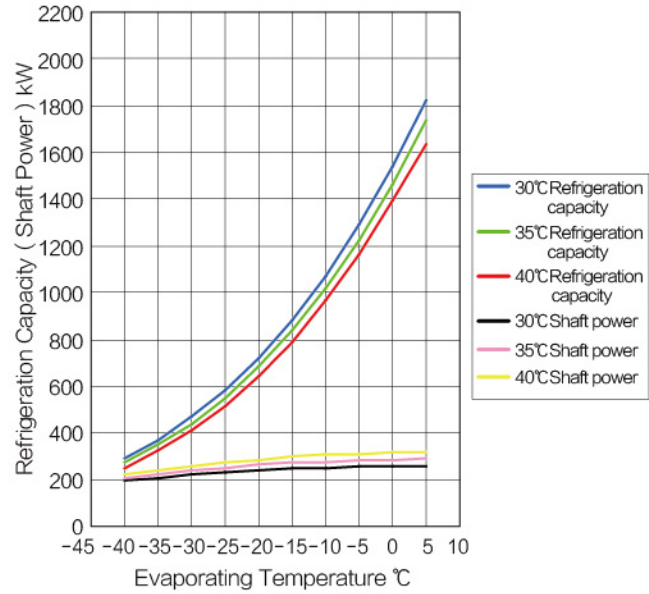


26S series single stage compressor package performance PARAMETERS and curve

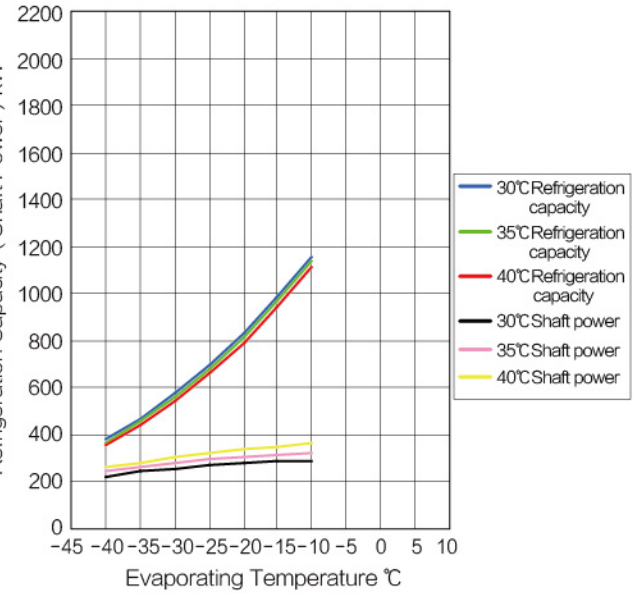
Tc Te	SNH26S-HA (R22)						SAH26S-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	289.8	270.9	250.5	192.7	205.3	219.7	380.4	368.8	354.6	222.4	244.5	259.5
-35	370.0	347.1	322.5	207.9	223.3	238.8	470.1	457.1	441.2	242.3	264.5	283.1
-30	467.1	439.6	410.3	220.7	238.5	256.8	574.5	559.7	542.2	258.2	281.1	303.7
-25	583.4	550.7	516.0	231.2	251.3	272.1	694.4	678.1	658.8	270.6	294.6	321.9
-20	721.3	682.7	641.9	239.8	261.7	285.0	831.0	812.9	791.5	279.7	305.5	337.9
-15	883.3	838.0	790.4	246.6	270.4	295.8	985.0	965.2	941.3	286.2	314.2	352.2
-10	1071.9	1019	964.0	251.9	277.1	303.9	1157.0	1134.4	1108.6	290.2	321.0	365.2
-5	1289.5	1228.1	1164.7	255.9	282.3	310.5						
0	1538.5	1467.5	1395.01	258.7	286.0	315.6						
5	1820.9	1739.2	1633.9	260.7	288.8	319.2						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH26S-HA (R22, Condensing Temperature: 30/35/40℃)



SAH26S-HA (R22, Condensing Temperature: 30/35/40℃)

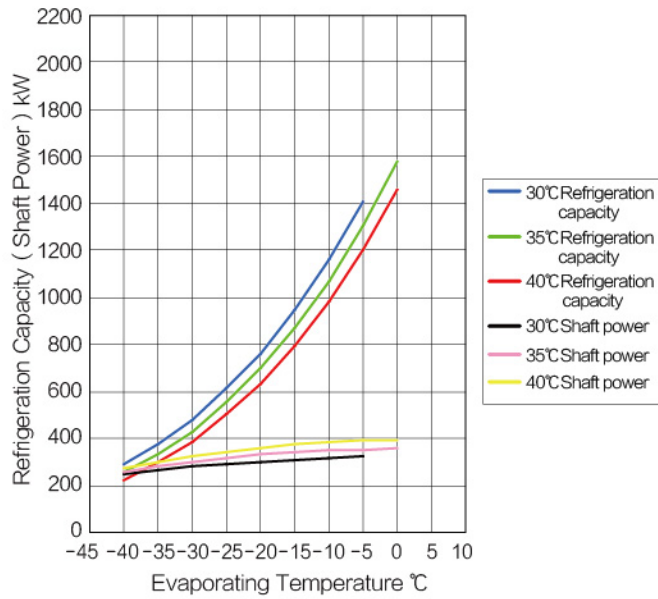


26S series single stage compressor package performance PARAMETERS and curve

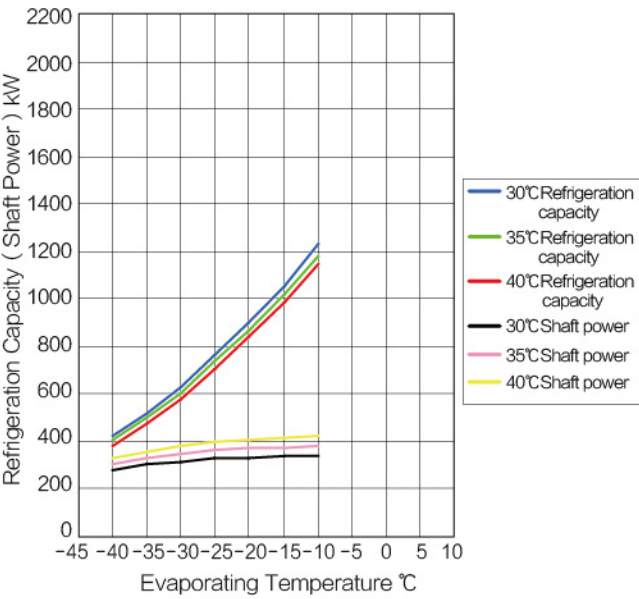
Tc Te	SNP26S-HA (R507A)						SAP26S-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	287.3	256.5	224.0	244.8	260.0	276.0	424.4	405.3	382.2	283.1	306.7	332.2
-35	371.7	334.2	294.8	262.4	282.6	302.5	519.2	497.8	472.0	303.0	330.6	360.3
-30	474.6	429.5	382.0	277.8	301.6	325.0	627.2	602.6	573.8	317.5	348.7	382.1
-25	610.6	555.6	502.3	291.1	317.2	343.7	763.6	735.3	708.5	327.4	361.7	398.4
-20	762.5	697.0	634.1	302.1	329.6	359.0	902.6	870.5	840.8	333.6	370.5	410.2
-15	943.4	865.6	791.7	310.0	340.5	371.6	1057.0	1020.2	986.9	336.9	376.1	418.1
-10	1157.7	1065.4	978.8	316.6	347.2	381.0	1229.0	1184.5	1146.8	338.3	379.2	423.1
-5	1410.8	1301.4	1199.8	320.0	352.6	388.0						
0	-	1578.8	1459.7	-	356.0	392.7						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP26S-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP26S-HA (R507A, Condensing Temperature: 30/35/40℃)

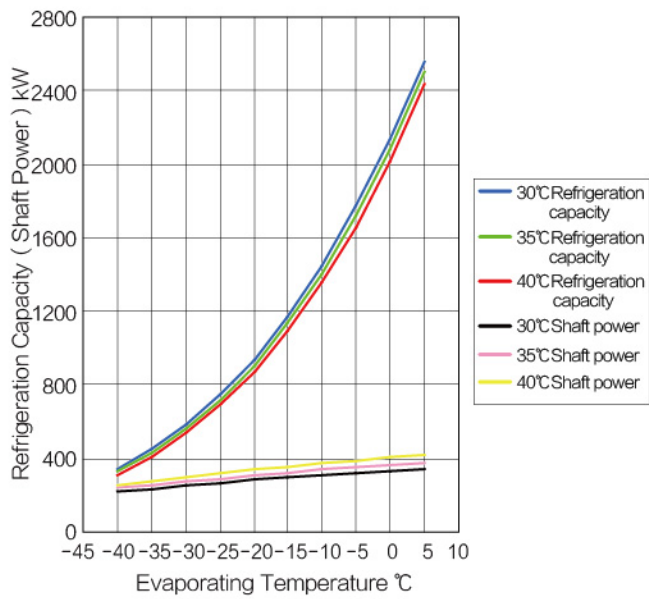


26M series single stage compressor package performance PARAMETERS and curve

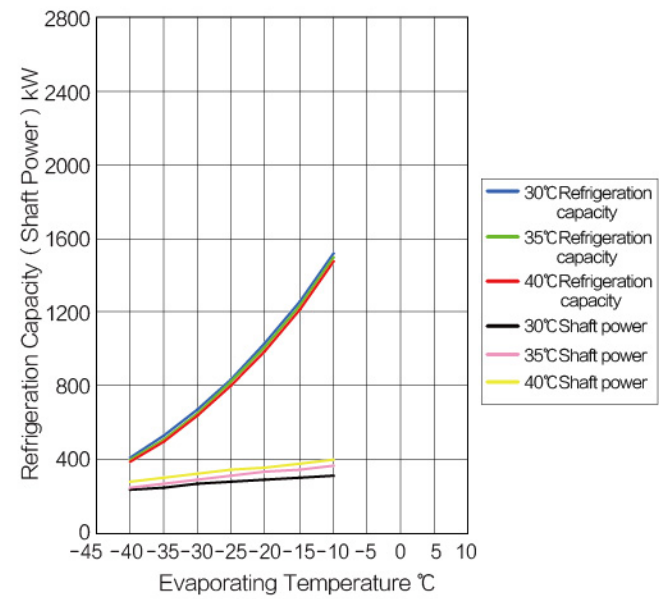
Tc Te	SNA26M-HA (R717)						SAA26M-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	346.7	329.8	311.9	219.8	238.9	259.0	410.9	399.0	385.6	236.4	253.0	282.5
-35	454.5	434.3	412.7	234.4	256.0	278.5	528.0	515.0	500.0	254.2	274.9	304.0
-30	586.9	563.1	537.3	250.0	273.5	298.1	668.5	654.5	637.7	270.2	295.4	326.4
-25	747.8	719.8	689.1	266.0	291.1	318.0	834.8	819.9	801.0	284.7	314.7	344.2
-20	941.4	908.7	872.1	281.3	308.4	337.5	1029.7	1013.9	993.0	297.6	332.7	362.9
-15	1172.5	1134.2	1090.9	296.0	325.1	356.4	1256.8	1239.6	1216.4	309.1	349.7	380.9
-10	1446.7	1401.9	1350.4	309.5	340.7	374.4	1519.3	1500.7	1474.6	319.4	365.7	398.3
-5	1770.5	1717.7	1656.3	321.7	354.9	390.9						
0	2143.1	2088.9	2015.4	332.1	367.4	405.6						
5	2562.8	2507.4	2435.4	340.4	377.7	418.3						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA26M-HA (R717, Condensing Temperature: 30/35/40℃)



SAA26M-HA (R717, Condensing Temperature: 30/35/40℃)

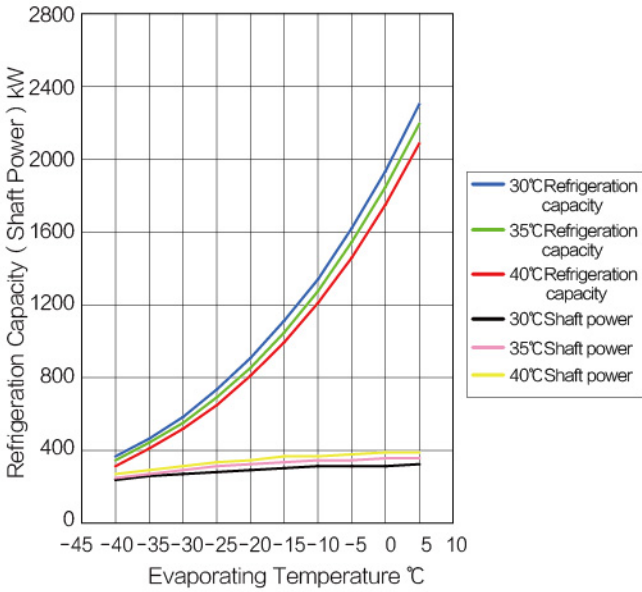


26M series single stage compressor package performance PARAMETERS and curve

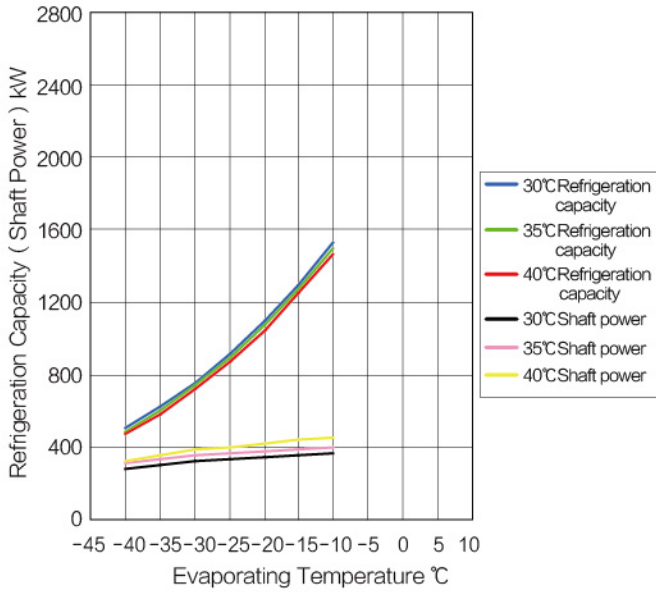
Tc Te	SNH26M-HA (R22)						SAH26M-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	365.2	342.1	316.7	236.8	251.8	267.3	502.5	488.8	471.0	279.8	307.2	325.0
-35	466.1	438.3	407.8	255.2	273.4	293.0	620.6	605.4	585.6	303.5	331.6	353.5
-30	587.9	554.6	518.4	270.0	292.7	315.2	758.2	740.8	719.3	323.0	351.5	387.9
-25	733.6	693.8	651.1	283.3	308.4	334.0	916.0	896.6	872.7	338.5	367.8	401.1
-20	906.2	858.9	809.0	294.3	321.1	349.1	1095.0	1073.4	1047.5	350.0	380.9	420.6
-15	1109.1	1053.1	995.0	302.6	332.0	362.6	1297.2	1273.0	1244.2	358.4	391.4	438.1
-10	1345.8	1279.9	1212.4	309.0	340.8	372.8	1524.7	1496.2	1465.1	364.0	400.0	453.9
-5	1620.4	1542.6	1464.6	314.0	346.4	381.0						
0	1937.0	1845.3	1755.2	317.6	351.5	387.9						
5	2300.0	2192.1	2088.2	320.2	354.7	392.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH26M-HA (R22, Condensing Temperature: 30/35/40℃)



SAH26M-HA (R22, Condensing Temperature: 30/35/40℃)

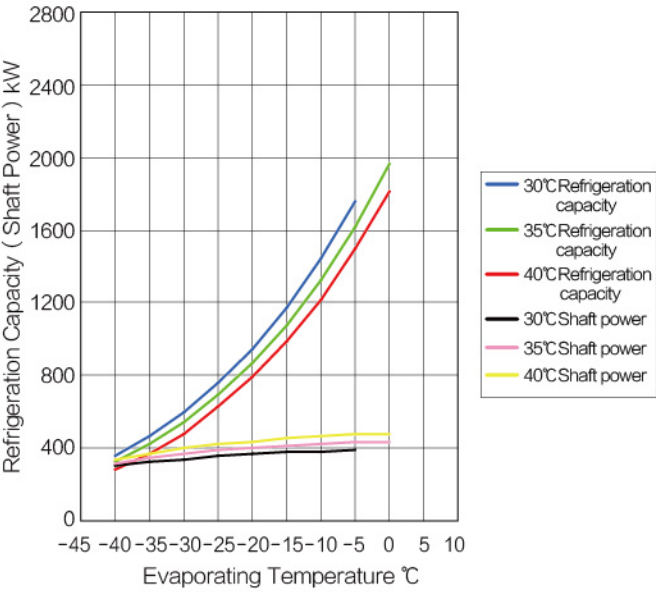


26M series single stage compressor package performance PARAMETERS and curve

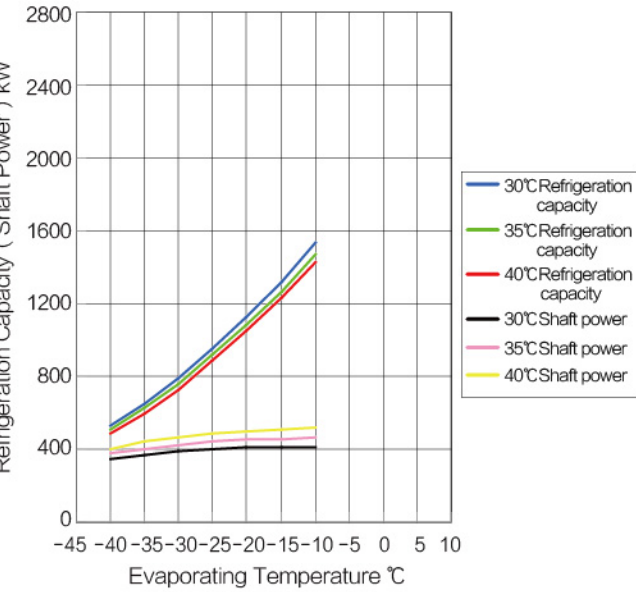
Tc Te	SNP26M-HA (R507A)						SAP26M-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	361.6	322.0	284.2	298.9	317.5	336.8	533.5	508.1	484.1	345	373.5	404.4
-35	468.3	419.7	373.2	321.7	345.3	369.4	653.3	624.3	596.6	368.9	402.4	438.4
-30	598.3	539.4	482.6	340.9	368.5	396.9	789.6	755.8	723.9	386.5	424.3	464.8
-25	760.2	691.7	625.4	356.3	387.4	419.7	950.6	915.5	882.1	398.6	440.2	484.7
-20	949.3	867.8	789.4	369	402.5	438.3	1123.7	1083.7	1046.8	406.3	451	499
-15	1174.6	1077.7	985.7	377.7	414.6	453.8	1316.0	1270.1	1228.6	410.5	457.9	508.8
-10	1441.4	1326.5	1218.6	384.6	423.7	464.9	1530.1	1474.7	1427.8	412.2	461.8	515
-5	1756.4	1620.2	1493.8	390	430.5	473.7						
0	-	1965.6	1817.4	-	435.2	481						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP26M-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP26M-HA (R507A, Condensing Temperature: 30/35/40℃)

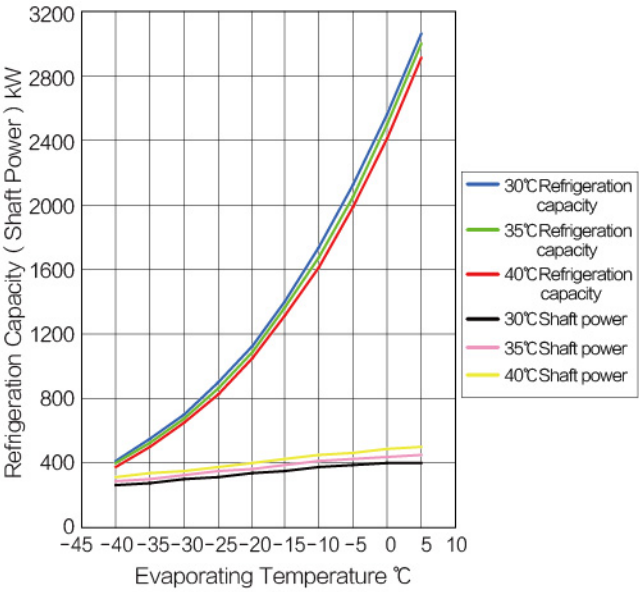


26L series single stage compressor package performance PARAMETERS and curve

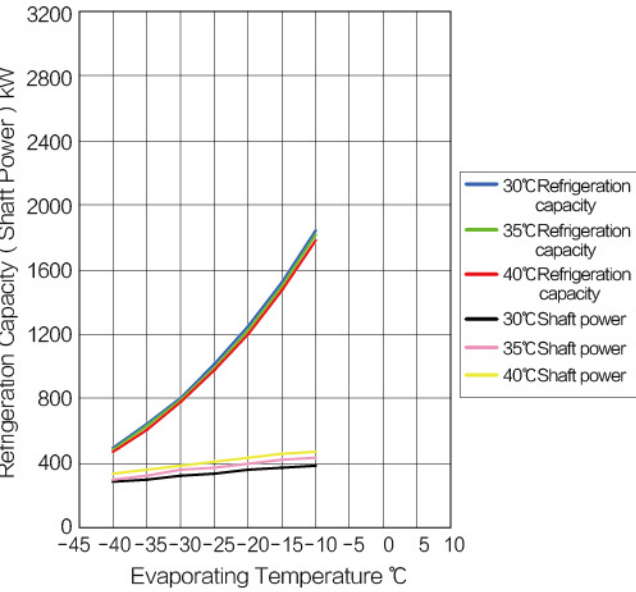
Tc Te	SNA26L-HA (R717)						SAA26L-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	416.1	396.7	375.2	262.2	285.0	309.1	497.8	484.6	468.5	281.4	301.2	336.2
-35	545.3	522.0	496.2	280.3	305.2	332.5	639.4	624.8	607	302.6	327.3	362.0
-30	703.9	676.2	645.5	298.8	326.3	355.7	809.1	793.2	773.5	321.8	353.5	386.5
-25	896.6	863.7	827.4	317.4	347.3	379.3	1009.9	992.7	970.8	339.2	374.8	410.0
-20	1128.5	1089.4	1046.6	335.7	368.0	402.7	1245.4	1226.5	1202.6	354.7	396.5	432.4
-15	1405.4	1358.8	1308.3	353.1	387.8	425.2	1519.8	1498.3	1472.0	368.5	416.8	454.0
-10	1734.1	1678.4	1618.6	369.3	406.5	446.6	1837.0	1812.6	1783.3	381.0	436.0	474.8
-5	2122.5	2055.4	1984.3	383.9	423.4	466.3						
0	2559.4	2498.6	2413.4	396.2	438.3	484.0						
5	3060.5	2994.4	2915.4	406.1	450.6	499.1						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA26L-HA (R717, Condensing Temperature: 30/35/40℃)



SAA26L-HA (R717, Condensing Temperature: 30/35/40℃)

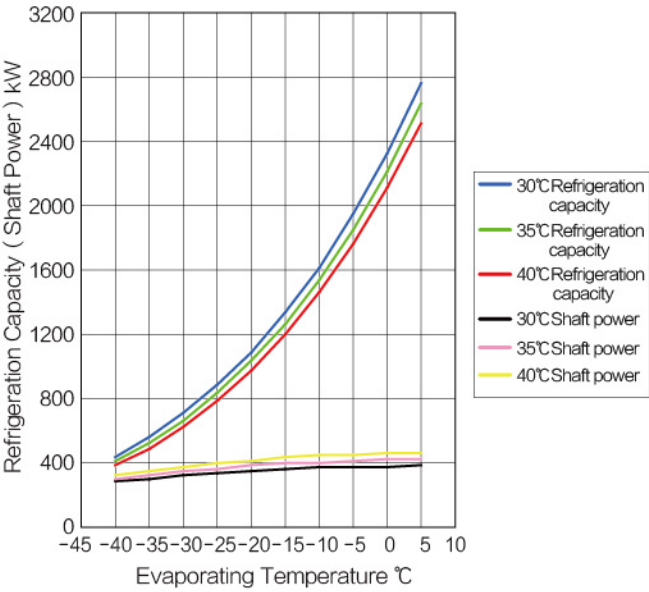


26L series single stage compressor package performance PARAMETERS and curve

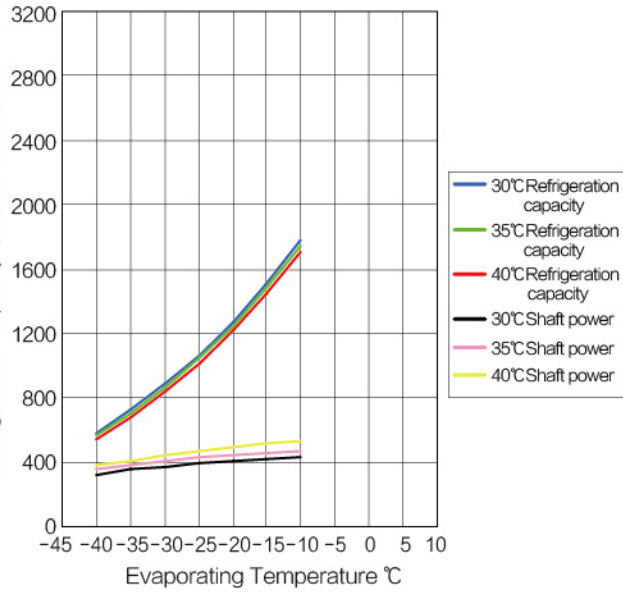
Tc Te	SNH26L-HA (R22)						SAH26L-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	439.7	411.8	381.8	282.4	300.6	320.0	586.4	570	549.4	325.0	358.5	378.3
-35	561.4	527.6	491.5	304.5	326.9	349.1	724.6	706.1	683.4	353.4	386.8	412.6
-30	708.1	667.7	624.6	323.2	349.3	376.1	884.8	863.8	838.8	376.5	410.2	442.7
-25	883.4	835.2	784.4	338.6	368.0	398.5	1068.2	1044.8	1017.7	394.8	429.5	469.1
-20	1090.8	1033.9	974.4	351.1	383.1	417.3	1276.5	1250.7	1220.7	408.9	445.1	492.5
-15	1334.4	1267.4	1198.2	361.7	396.2	432.6	1511.4	1482.7	1449.4	419.3	457.6	513.4
-10	1618.4	1539.8	1459.6	368.9	406.0	445.6	1774.1	1741.0	1705.1	426.7	467.6	532.3
-5	1947.1	1855.3	1762.9	374.7	413.5	455.0						
0	2325.3	2218.5	2112.3	378.9	419.3	462.7						
5	2758.4	2634.0	2512.5	381.8	423.0	467.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH26L-HA (R22, Condensing Temperature: 30/35/40℃)



SAH26L-HA (R22, Condensing Temperature: 30/35/40℃)

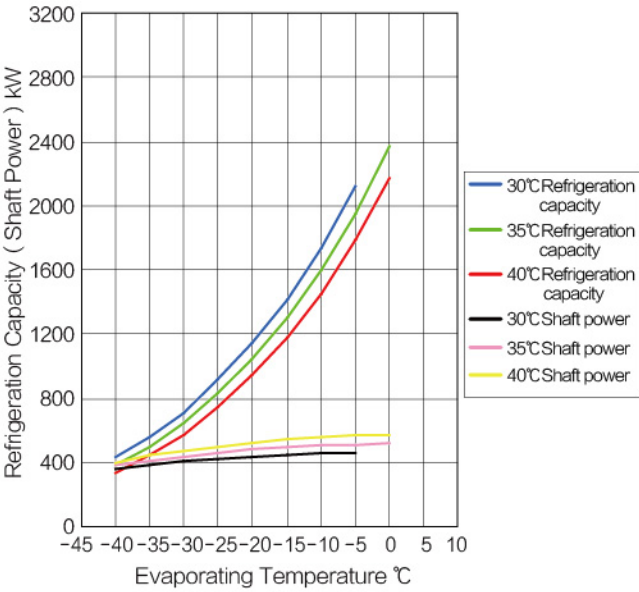


26L series single stage compressor package performance PARAMETERS and curve

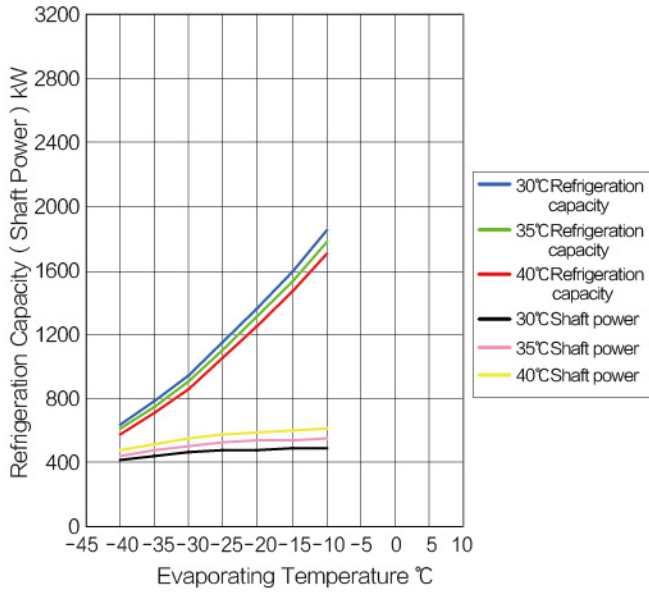
Tc Te	SNP26L-HA (R507A)						SAP26L-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	434.6	385.6	338.6	356.7	378.9	402.0	638.8	610.8	579.2	418.6	446.6	481.3
-35	557.4	501.3	443.8	384.0	412.1	441.0	780.4	748.4	712.3	443.9	479.1	520.9
-30	711.0	643.1	573.3	406.8	439.7	473.7	941.7	904.2	863.2	462.4	504.1	552
-25	918.6	835.0	749.1	425.2	462.3	501.0	1151.2	1107.5	1058.7	475.3	522.5	575.8
-20	1146.3	1046.6	944.1	440.0	480.3	523.1	1359.9	1309.8	1254.4	483.5	535.4	593.3
-15	1417.2	1298.9	1177.5	450.8	495.0	541.0	1591.3	1534.1	1470.9	488.1	543.9	605.5
-10	1737.8	1598.0	1454.8	459.0	505.6	554.7	1848.5	1780.3	1708.2	490.2	549	613.4
-5	2115.5	1950.8	1782.7	465.0	513.7	565.3						
0	-	2365.0	2168.2	-	519.3	573.0						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA26L-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP26L-HA (R507A, Condensing Temperature: 30/35/40℃)

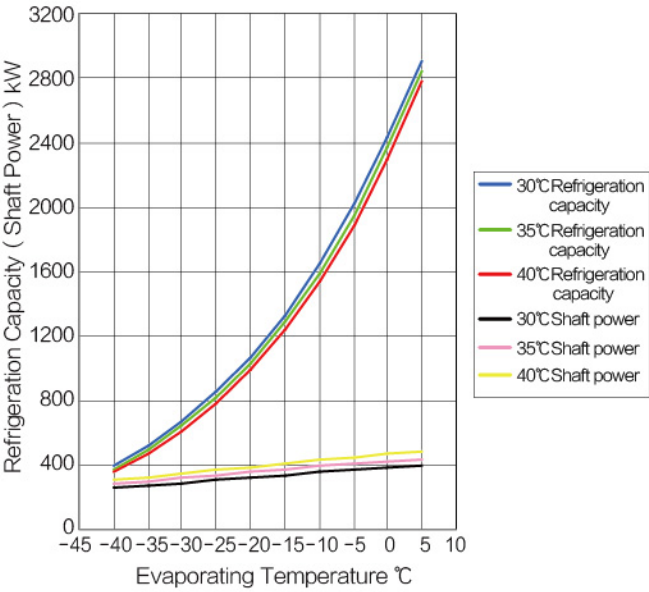


26LL series single stage compressor package performance PARAMETERS and curve

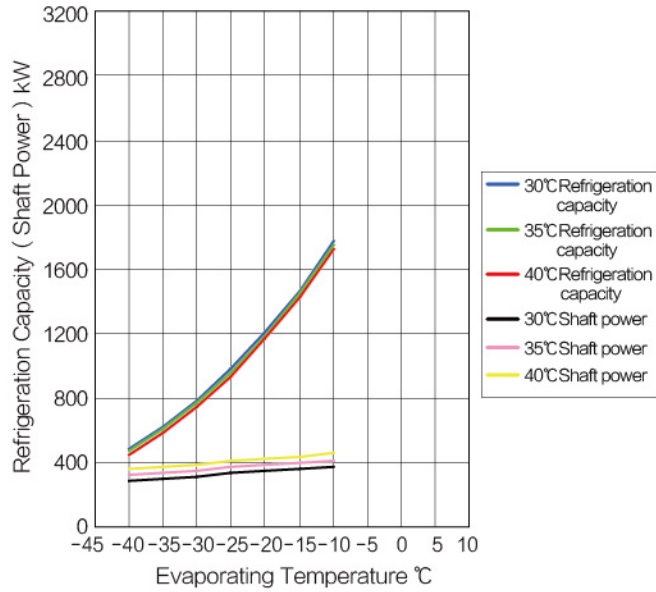
Tc Te	SNA26LL-HA (R717)						SAA26LL-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	493.4	470.3	444.8	320.4	350.0	380.7	600.0	583.9	564.4	361.4	400.5	442.3
-35	646.5	618.9	588.4	340.2	372.1	405.6	770.7	753.1	731.5	377.6	418.9	463.5
-30	834.6	801.7	765.4	361.3	395.6	432.1	975.1	956.0	932.3	394.5	438.1	485.5
-25	1063.1	1024.0	981.0	383.0	419.7	459.2	1217.6	1197.0	1170.5	411.8	457.6	507.6
-20	1338.0	1291.6	1240.8	404.3	443.7	486.4	1502.0	1478.8	1450.6	428.4	476.2	529.2
-15	1666.3	1611.1	1551.2	424.9	467.0	512.9	1832.9	1807.1	1775.5	443.8	493.7	549.3
-10	2056.0	1990.0	1919.0	444.0	488.8	538.1	2216.3	2187.0	2151.0	457.7	509.5	567.6
-5	2520.0	2437.0	2352.6	464.0	508.4	561.3						
0	3034.5	2968.6	2861.4	478.6	529.3	581.6						
5	3628.6	3550.2	3471.1	489.6	543.2	601.5						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA26LL-HA (R717, Condensing Temperature: 30/35/40℃)



SAA26LL-HA (R717, Condensing Temperature: 30/35/40℃)

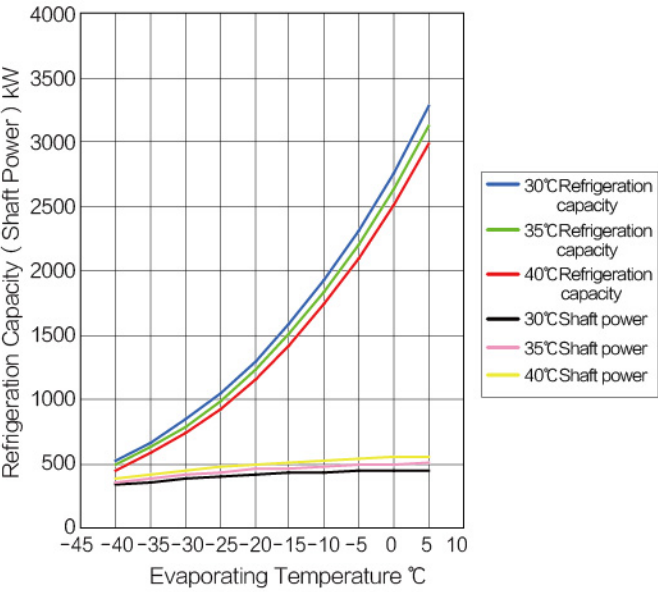


26LL series single stage compressor package performance PARAMETERS and curve

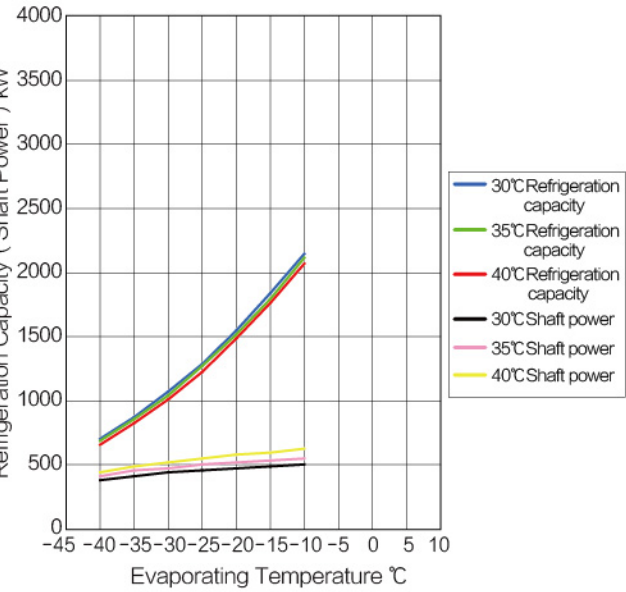
Tc Te	SNH26LL-HA (R22)						SAH26LL-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	521.7	488.6	453.0	334.1	355.9	377.8	709.7	689.8	665.3	380.3	420.0	443.5
-35	666.0	626.0	583.2	360.5	387.1	414.1	876.8	854.7	827.5	414.0	453.5	484.2
-30	840.1	792.1	741.1	382.6	413.6	445.4	1071.4	1046.2	1016.4	441.1	481.4	520.0
-25	1048.1	990.9	930.7	401.0	435.8	472.0	1294.2	1266.3	1233.2	463.1	504.2	551.2
-20	1294.2	1226.7	1156.1	415.9	454.2	494.2	1546.9	1516.1	1480.2	480.0	522.7	578.9
-15	1583.2	1503.7	1421.6	427.7	469.0	512.5	1831.8	1797.7	1758.0	492.2	537.5	603.7
-10	1920.1	1826.9	1731.8	436.9	480.7	527.2	2152.0	2112.7	2070.0	501.0	549.4	626.1
-5	2310.1	2201.3	2091.6	443.7	489.7	538.7						
0	2758.9	2632.1	2506.2	448.7	496.3	547.4						
5	3272.7	3125.1	2980.9	452.1	500.9	553.6						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH26LL-HA (R22, Condensing Temperature: 30/35/40℃)



SAH26LL-HA (R22, Condensing Temperature: 30/35/40℃)

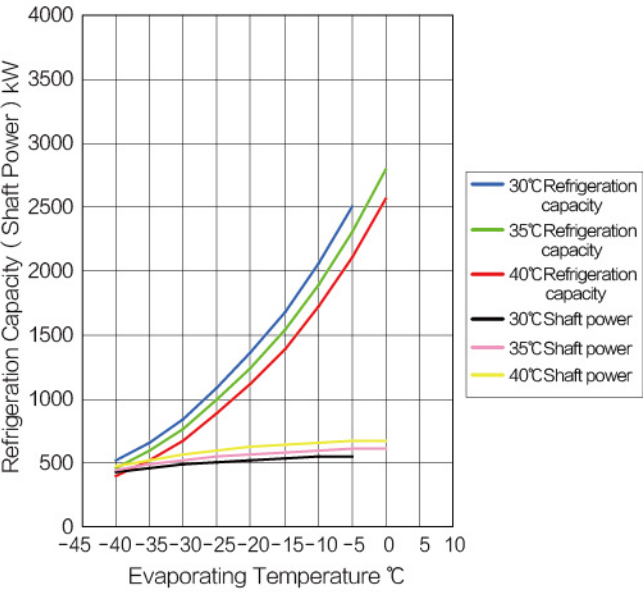


26LL series single stage compressor package performance PARAMETERS and curve

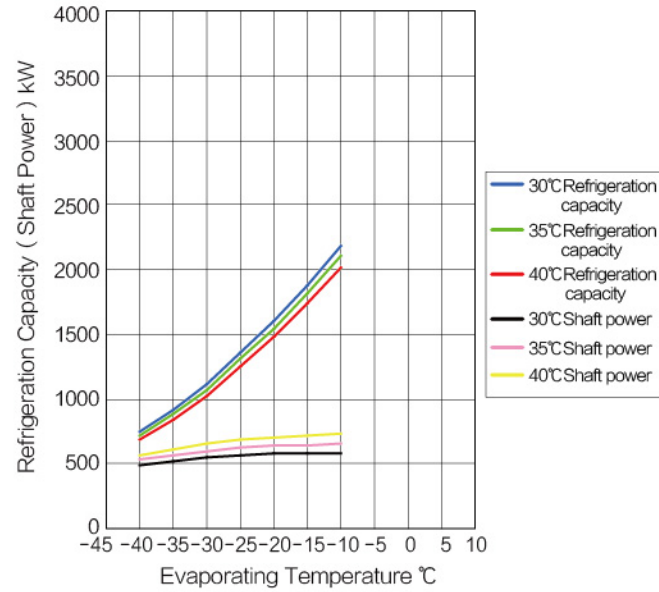
Tc Te	SNP26LL-HA (R507A)						SAP26LL-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	513.7	455.7	400.3	421.6	448.7	476.1	755.1	721.9	684.6	496.0	529.2	570.3
-35	658.9	592.6	524.6	454.7	488.0	522.2	922.4	884.6	841.9	526.0	567.8	617.3
-30	840.5	760.2	677.7	481.8	520.8	561.0	1113.0	1068.8	1020.3	548.0	597.4	654.3
-25	1085.7	986.9	885.4	503.6	547.6	593.3	1360.7	1309.1	1251.4	563.3	619.2	682.4
-20	1354.9	1237.0	1115.9	520.7	569.1	619.6	1607.4	1548.2	1482.7	573.0	634.5	703.1
-15	1675.2	1535.3	1391.8	533.9	586.0	640.7	1880.9	1813.3	1738.7	578.5	644.6	717.6
-10	2054.1	1888.9	1719.6	543.7	598.9	657.2	2184.9	2104.3	2019.0	580.9	650.7	727.0
-5	2500.5	2305.9	2107.1	550.8	608.5	669.7						
0	-	2795.5	2562.8	556.0	615.4	678.9						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP26LL-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP26LL-HA (R507A, Condensing Temperature: 30/35/40℃)



34 series single stage compressor package PARAMETERS

Item			Unit	34 Series												
Compressor	Model			SRM-34S			SRM-34M			SRM-34L			SRM-34LL			
	Low Pressure Theoretical Displacement		m³/h	3360			4280			5090			6350			
	High Pressure Theoretical Displacement			Step-less capacity control: 10~100%												
Refrigeran	Capacity Control Range			R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	
Refrigeration Capacity	Type		kW	4060	3638	—	5172	4634	—	6143	5450	—	7661	6876	—	
	Low Temperature Working Condition		kW	1858	1747	1768	2364	2252	2255	2817	2620	2598	3512	3272	3227	
	Low Temperature Working Condition		kW	839	970	1023	1089	1239	1304	1270	1483	1475	1647	1865	1829	
Motor	High temperature working condition		kW	630	710	—	800	900	—	1000	1000	—	1250	1250	—	
	Medium temperature working condition		kW	560	630	800	710	800	1000	900	900	1120	1120	1120	1400	
	Low temperature working condition(ECO)		kW	500	630	800	630	800	900	800	900	1120	1000	1120	1400	
	Power supply			High voltage system: 3P、6kV/10kV、50Hz												
	R.P.M		r/min	2960												
	Rotational direction			Face with motor shaft side: anti-clockwise												
Oil Pump	Model			HJ4195			HJ4195			HJ4195			HJ4195			
	Motor power		kW	1.5			1.5			1.5			1.5			
Refrigeration Oil	Grade			SUNISO 4GS/3GS/SL-68S												
	Standard			GB/T 16630 《Refrigeration Oil》												
	Charge volume		kg	1100			1100			1100			1100			
External Connecting Pipe Size	Suction pipe		mm	DN350			DN350			DN350			DN350			
	Discharge pipe	High/medium temperature	mm	DN150			DN200			DN200			DN200			
		Low temperature	mm	DN125			DN125			DN150			DN150			
	Economizer Liquid In/and Pipe		mm	DN80			DN100			DN100			DN100			
	Safety Valve Pipe		mm	2×DN32			2×DN32			2×DN32			2×DN32			
	Cooling Method	Working Medium Cooled	Liquid Inlet Tube	mm	DN80	DN80	DN80	DN80	DN80	DN80	DN80	DN80	DN80	DN80	DN80	DN80
			Gas Outlet Pipe	mm	DN125	DN125	DN100	DN125	DN125	DN100	DN125	DN125	DN100	DN125	DN125	DN100
		Water Cooled	Working Medium Consumption Amount	kg/h	2188	10500	9733	2188	10500	9733	2188	10500	9733	2188	10500	9733
			Water Inlet Pipe	mm	DN125	DN125	DN100	DN125	DN125	DN100	DN125	DN125	DN100	DN125	DN125	DN100
			Water Outlet Pipe	mm	DN125	DN125	DN100	DN125	DN125	DN100	DN125	DN125	DN100	DN125	DN125	DN100
Cooling Water Amount			m³/h	120	120	50	120	120	50	120	120	50	120	120	50	
pressure drop			bar	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	≤0.88	
Overall Dimension			High Temperature	L×W×H	mm	5600×2350×4200			5600×2350×4200			5600×2350×4200			5600×2350×4200	
	Low Temperature	L×W×H	mm	5600×2350×4000			5600×2350×4000			5600×2350×4000			5600×2350×4000			
Package Weight	Net Weight		kg	14000			14500			15000			15500			
	Operation Weight		kg	15500			16000			16500			17000			

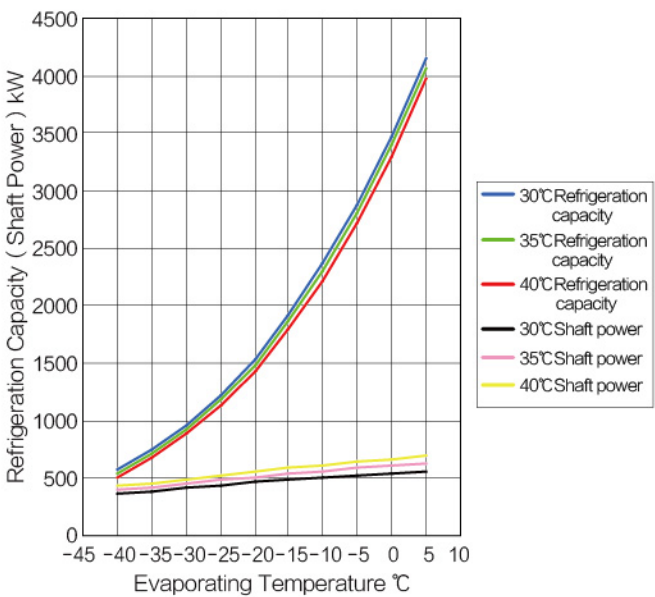
Note: 1. Motor power equipped for package shall be selected according to shaft power under actual running conditions, shaft power parameters shall be obtained according to compressor selection software.
2. Due to the differences of package real working conditions, the overall dimension and weight of the package may also differs, the actual design shall prevail.
3. Oil cooling method can be either water cooling or working medium cooling, Snowman recommends to use water cooling.
4. ECO means the package with economizer

34S series single stage compressor package performance PARAMETERS and curve

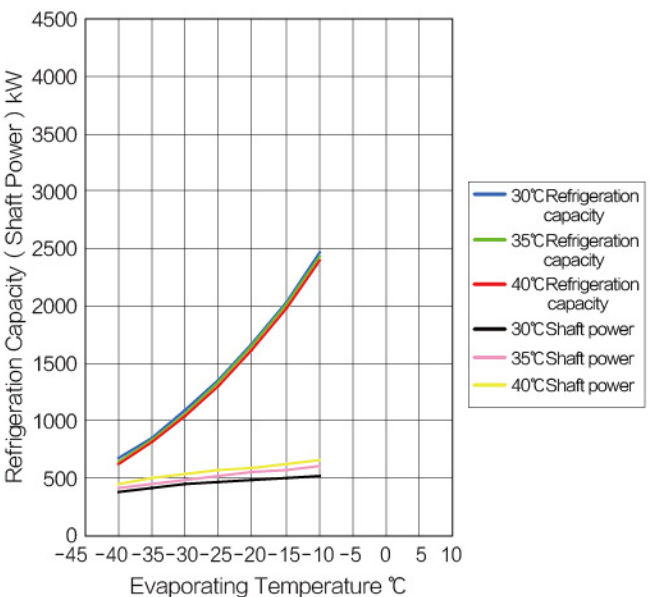
Tc Te	SNA34S-HA (R717)						SAA34S-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	571.3	543.5	514.1	362.8	394.2	427.5	670.5	650.9	629.0	389.4	416.8	456.6
-35	747.5	714.6	680.0	387.0	422.1	459.8	860.0	838.9	815.4	418.6	452.8	495.9
-30	963.9	925.1	884.5	413.1	451.1	491.7	1087.3	1064.7	1039.4	445.0	486.6	534.8
-25	1226.8	1181.1	1133.7	438.8	480.2	524.5	1356.6	1332.3	1305.1	468.8	518.3	567.1
-20	1543.5	1489.4	1434.0	464.2	508.9	557.0	1672.6	1646.2	1617.2	490.1	548.1	597.9
-15	1922.0	1857.6	1792.6	488.4	536.5	588.3	2041.2	2011.2	1980.0	509.2	576.1	627.5
-10	2371.9	2294.4	2217.4	510.9	562.3	618.0	2468.0	2433.3	2400.0	526.1	602.6	656.0
-5	2881.9	2809.6	2717.5	531.0	585.8	645.1						
0	3470.3	3395.0	3303.6	548.0	606.2	669.2						
5	4149.8	4060.2	3969.6	561.2	622.8	689.7						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA34S-HA (R717, Condensing Temperature: 30/35/40℃)



SAA34S-HA (R717, Condensing Temperature: 30/35/40℃)

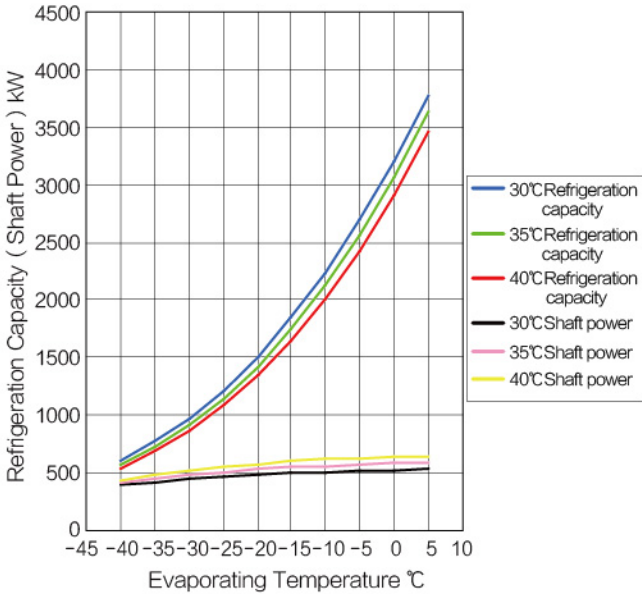


34S series single stage compressor package performance PARAMETERS and curve

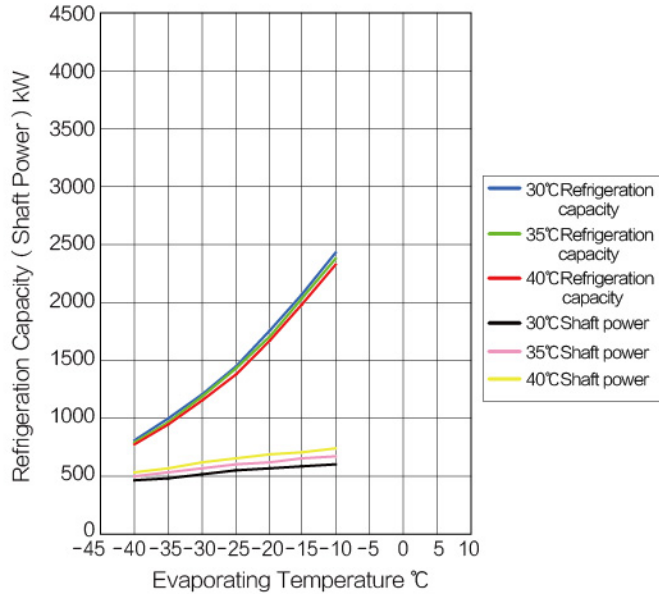
Tc Te	SNH34S-HA (R22)						SAH34S-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	608.7	572.6	540.5	390.7	415.7	441.2	806.1	786.8	772.4	456.9	493.2	529.3
-35	775.6	730.0	688.3	421.0	452.0	483.0	994.2	970.0	950.0	491.0	533.0	575.1
-30	977.7	920.9	868.0	446.8	483.0	520.0	1213.3	1183.1	1157.6	520.2	567.1	615.5
-25	1220.0	1150.5	1084.5	468.2	509.0	551.1	1456.1	1429.3	1379.4	545.3	597.7	651.2
-20	1507.6	1424.1	1343.1	485.7	530.0	577.0	1752.2	1710.9	1671.0	567.0	624.3	683.1
-15	1845.7	1747.1	1649.3	500.4	547.6	598.5	2076.2	2029.9	1981.5	586.0	648.0	712.0
-10	2239.5	2125.0	2008.8	510.1	561.3	616.5	2438.3	2386.3	2330.5	603.2	669.7	738.5
-5	2694.0	2563.5	2427.5	518.1	571.8	629.0						
0	3203.7	3067.9	2911.3	524.0	580.0	639.0						
5	3781.4	3638.1	3466.1	528.0	585.0	646.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH34S-HA (R22, Condensing Temperature: 30/35/40℃)



SAH34S-HA (R22, Condensing Temperature: 30/35/40℃)

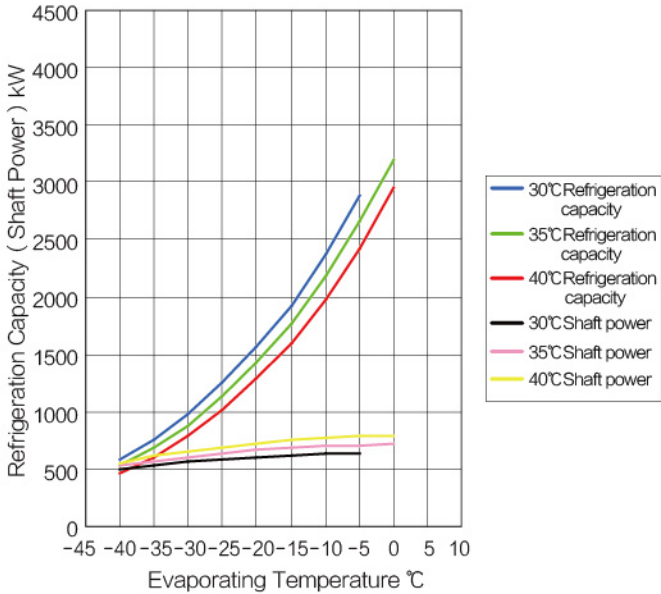


34S series single stage compressor package performance PARAMETERS and curve

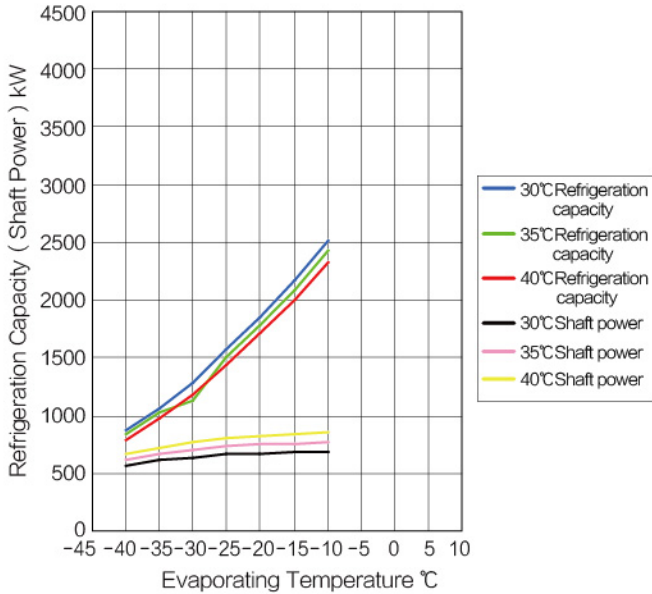
Tc Te	SNP34S-HA (R507A)						SAP34S-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	590.1	526.4	462.6	491.7	523.9	555.6	874.2	834.4	791.5	571.9	619.2	671
-35	762.0	684.6	606.6	531.1	570.3	609.9	1067.4	1022.5	974.0	611.2	667	727
-30	971.9	878.5	784.1	562.9	608.6	655.2	1287.8	1132.9	1181.2	640.3	703.2	770.8
-25	1249.6	1135.4	1019.9	588.2	639.4	692.6	1566.9	1506.9	1442.2	660.2	729.4	803.6
-20	1559.9	1423.8	1285.9	607.9	664.1	723.1	1851.5	1783.0	1709.6	672.7	747	827.2
-15	1929.5	1767.8	1604.1	623.0	683.5	747.5	2167.5	2089.0	2005.0	679.3	758.3	843.2
-10	2366.8	2175.3	1981.6	634.5	698.5	766.8	2519.0	2424.7	2327.9	681.9	764.4	853.3
-5	2881.7	2655.0	2426.3	643.2	710.1	782.0						
0	-	3188.6	2947.5	-	719.3	794.1						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP34S-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP34S-HA (R507A, Condensing Temperature: 30/35/40℃)

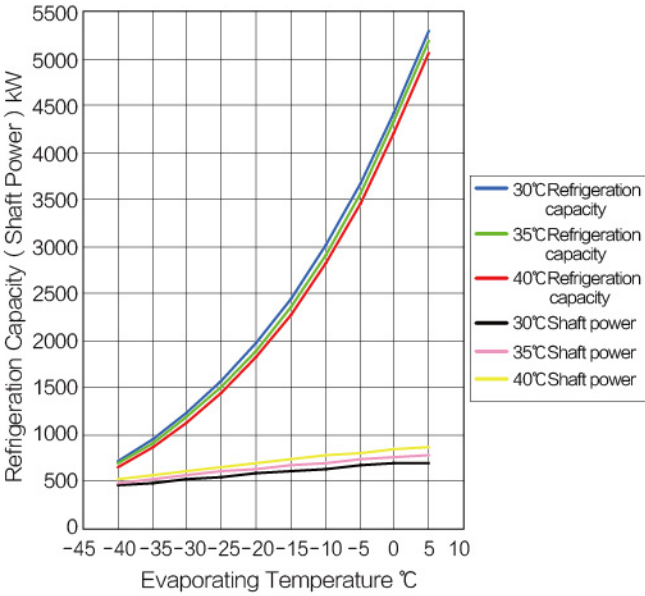


34M series single stage compressor package performance PARAMETERS and curve

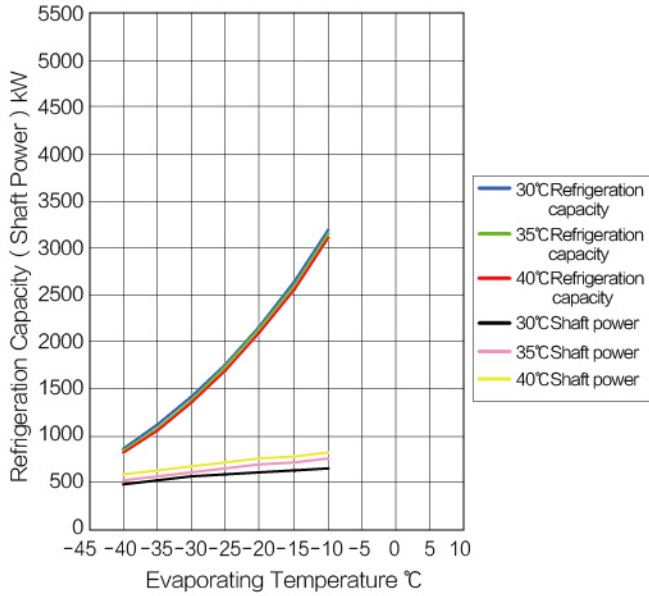
Tc Te	SNA34M-HA (R717)						SAA34M-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	726.4	691.3	654.1	458.1	497.8	539.8	868.3	843.7	816.1	490.4	521.5	588.4
-35	951.6	910.2	866.4	489.2	533.1	579.7	1114.8	1088.5	1058.8	529.2	569.0	632.1
-30	1227.6	1178.9	1127.5	521.5	569.6	620.8	1409.7	1381.7	1349.7	563.6	613.3	673.9
-25	1562.2	1505.0	1444.8	554.1	606.3	662.3	1758.1	1728.3	1693.7	593.7	654.7	714.1
-20	1964.5	1896.8	1826.3	586.1	642.4	703.2	2166.1	2133.8	2096.8	619.8	693.3	752.9
-15	2444.6	2364.1	2280.9	616.7	677.4	742.8	2641.3	2604.5	2564.1	641.9	729.3	790.4
-10	3014.9	2918.0	2819.0	645.1	710.1	780.2	3191.1	3148.6	3103.2	660.3	762.9	826.7
-5	3671.0	3571.8	3452.7	670.5	739.7	814.6						
0	4420.5	4324.6	4196.4	692.0	765.7	845.1						
5	5286.1	5171.9	5056.5	708.7	786.4	870.9						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA34M-HA (R717, Condensing Temperature: 30/35/40℃)



SAA34M-HA (R717, Condensing Temperature: 30/35/40℃)

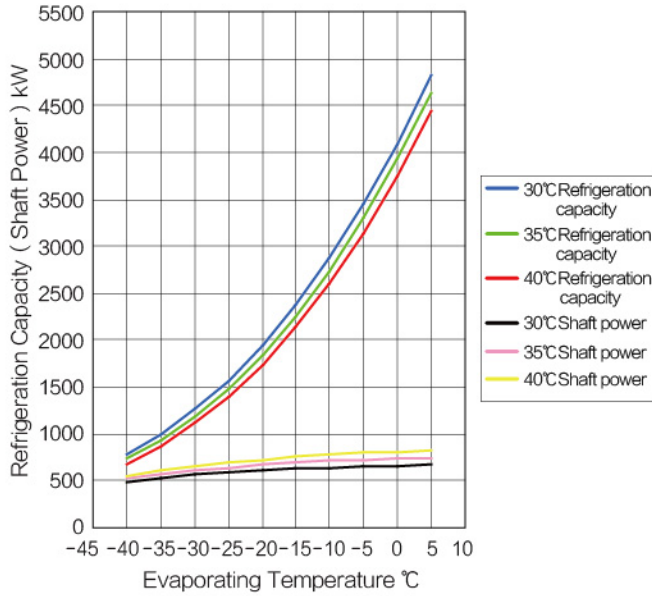


34M series single stage compressor package performance PARAMETERS and curve

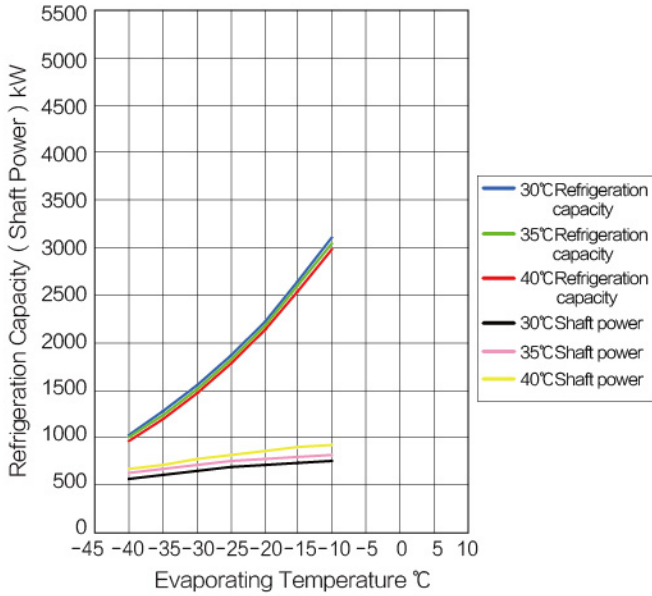
Tc Te	SNH34M-HA (R22)						SAH34M-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	784.8	735.0	682.4	492.7	524.9	557.1	1030.6	1001.4	966.6	570.4	621.6	662.1
-35	1000.4	940.0	877.1	531.6	570.8	610.7	1271.6	1239.2	1200.6	616.3	671.1	720.3
-30	1260.3	1188.6	1113.1	564.2	609.8	656.7	1551.0	1514.2	1471.9	654.6	713.3	771.6
-25	1570.8	1485.6	1396.3	591.3	642.6	695.9	1870.8	1830.1	1784.0	686.2	749.3	816.9
-20	1938.6	1837.8	1733.0	613.3	669.2	728.6	2234.5	2189.6	2138.0	712.1	779.8	857.2
-15	2370.9	2252.2	2129.6	630.8	691.5	755.5	2645.1	2595.2	2537.3	733.2	806.0	893.5
-10	2875.6	2736.2	2593.4	644.1	709.0	777.2	3105.1	3047.3	2983.9	750.4	828.7	926.6
-5	3437.7	3297.6	3131.9	654.3	722.0	794.1						
0	4080.9	3924.6	3753.3	661.8	731.7	807.0						
5	4816.7	4634.3	4448.2	666.6	738.6	816.2						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH34M-HA (R22, Condensing Temperature: 30/35/40℃)



SAH34M-HA (R22, Condensing Temperature: 30/35/40℃)

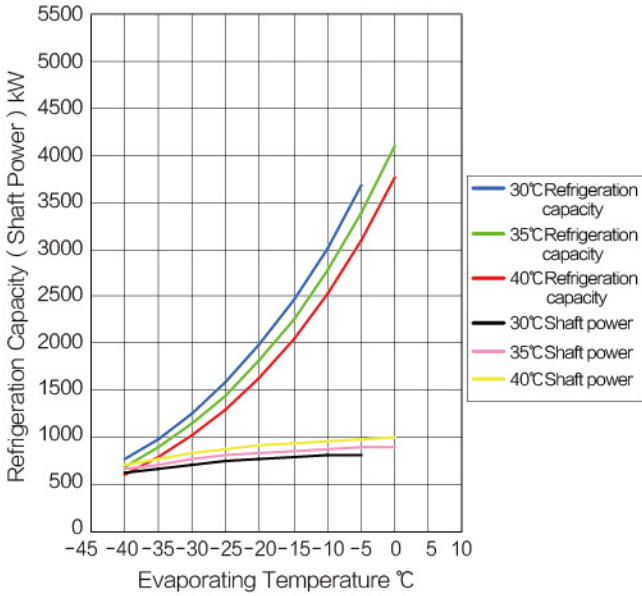


34M series single stage compressor package performance PARAMETERS and curve

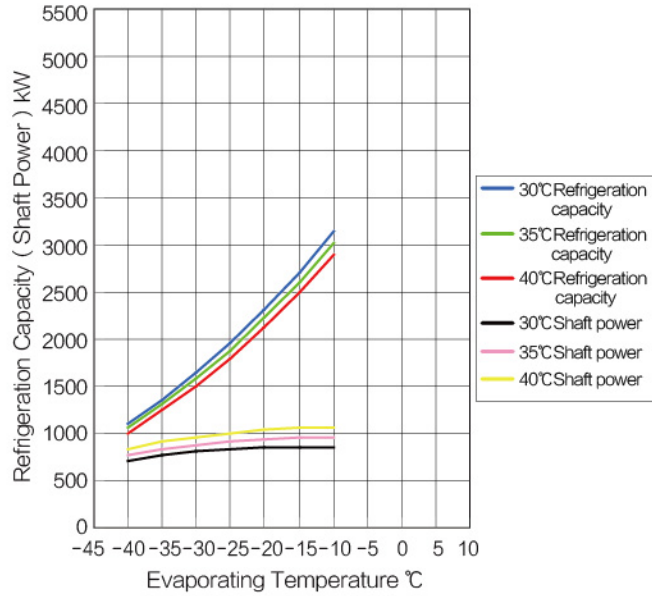
Tc Te	SNP34M-HA (R507A)						SAP34M-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	766.4	686.0	602.3	625.6	667.3	701.8	1111.1	1063.4	1007.2	718.4	777.8	842.7
-35	990.3	892.0	789.5	671.6	720.0	772.0	1358.2	1303.6	1239.7	768.0	831.0	912.7
-30	1263.5	1144.1	1019.9	711.4	768.4	827.2	1639.7	1575.8	1503.4	804.6	883.3	967.6
-25	1593.3	1449.7	1300.4	742.6	807.4	875.2	1957.3	1884.2	1800.1	829.9	916.3	1009.0
-20	1988.4	1816.8	1638.7	767.6	838.7	913.1	2312.7	2228.8	2133.4	846.6	938.4	1038.9
-15	2458.7	2254.7	2043.5	786.6	863.3	943.9	2706.9	2610.4	2501.9	853.4	952.6	1059.3
-10	3015.1	2773.4	2524.4	809.3	882.3	968.3	3145.4	3029.6	2905.6	858.5	961.2	1072.2
-5	3670.7	3385.1	3092.6	812.1	897.0	987.4						
0	-	4103.6	3760.7	-	908.5	1002.5						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP34M-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP34M-HA (R507A, Condensing Temperature: 30/35/40℃)

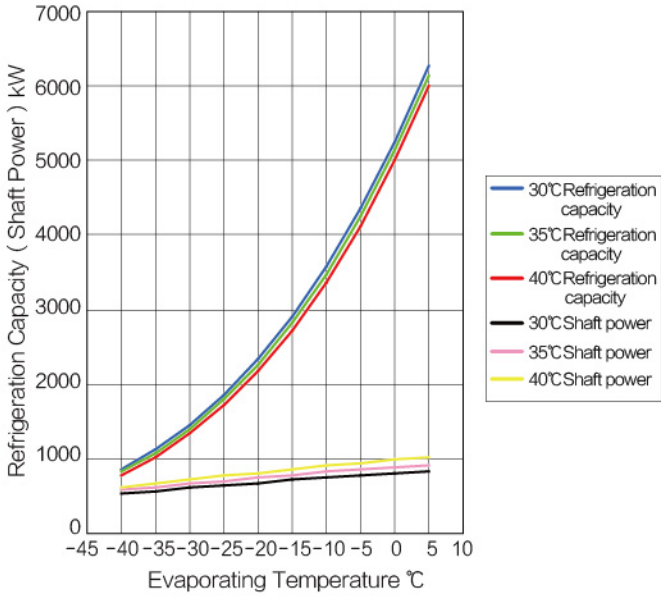


34L series single stage compressor package performance PARAMETERS and curve

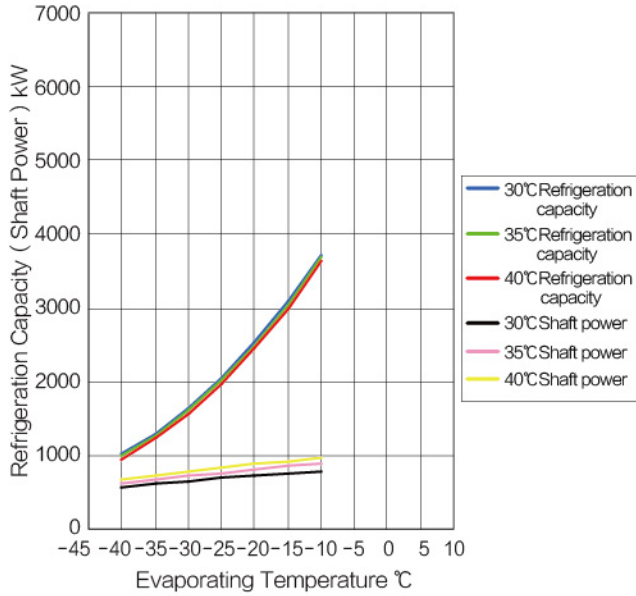
Tc Te	SNA34L-HA (R717)						SAA34L-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	866.3	825.8	780.8	533.9	580.2	629.1	1013.3	985.7	951.9	570.7	606.9	684.8
-35	1133.7	1085.3	1031.9	570.2	621.4	675.7	1300.1	1270.0	1233.2	616.0	662.1	735.5
-30	1462.0	1404.4	1341.5	607.8	663.8	723.6	1643.9	1611.1	1571.0	656.1	713.8	784.3
-25	1860.7	1792.3	1718.6	645.8	706.7	771.9	2051.0	2015.3	1971.7	691.2	762.1	831.1
-20	2340.5	2259.2	2173.0	683.1	748.9	819.6	2528.2	2489.0	2442.5	721.6	807.2	876.4
-15	2913.6	2816.5	2715.6	718.8	789.5	865.7	3084.5	3039.6	2990.0	747.5	849.2	920.0
-10	3594.0	3477.3	3358.8	751.9	827.5	909.3	3727.9	3676.2	3621.7	768.9	888.4	962.5
-5	4360.6	4256.6	4116.5	781.4	862.0	949.3						
0	5250.9	5137.0	5005.6	806.4	892.0	984.8						
5	6279.1	6143.4	6006.4	825.9	916.5	1014.9						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA34L-HA (R717, Condensing Temperature: 30/35/40℃)



SAA34L-HA (R717, Condensing Temperature: 30/35/40℃)

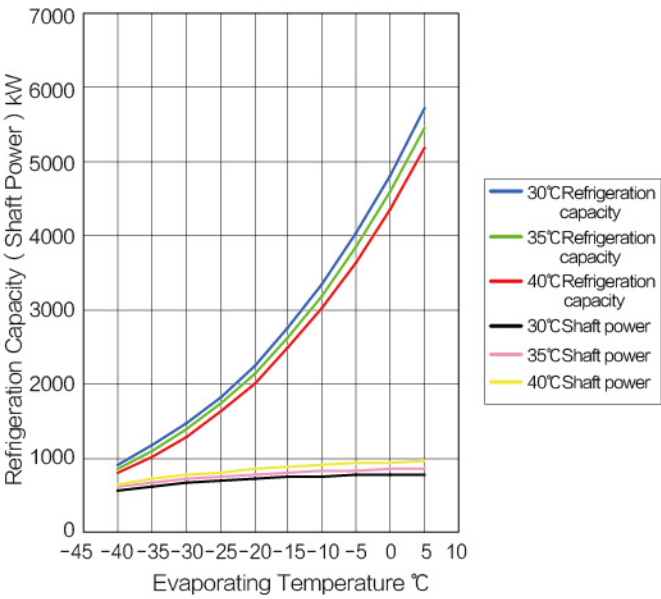


34L series single stage compressor package performance PARAMETERS and curve

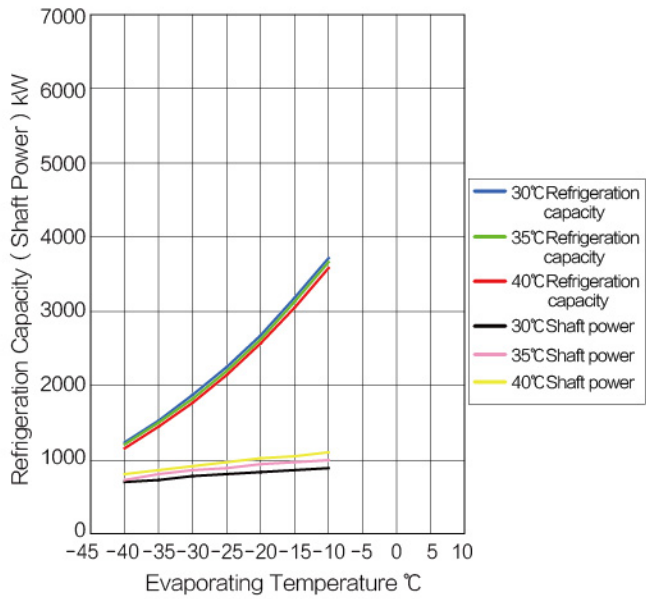
Tc Te	SNH34L-HA (R22)						SAH34L-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	911.9	854.3	792.0	574.1	611.6	649.1	1232.3	1198.0	1154.9	681.9	730.9	790.0
-35	1162.8	1093.4	1018.5	619.7	665.1	711.5	1521.2	1483.1	1435.4	734.7	792.1	854.5
-30	1465.4	1382.3	1293.0	657.4	710.6	765.3	1857.2	1814.1	1761.6	778.1	845.1	911.9
-25	1826.7	1728.0	1622.3	689.0	748.8	810.9	2242.2	2194.6	2135.8	813.0	890.8	963.3
-20	2254.4	2137.8	2013.5	714.6	780.3	849.0	2678.7	2626.6	2562.1	840.4	930.2	1009.6
-15	2757.0	2619.7	2474.4	735.0	805.8	880.4	3171.3	3113.3	3041.5	861.4	964.3	1051.7
-10	3343.2	3182.2	3013.1	750.7	825.9	905.7	3725.7	3658.6	3580.1	876.9	994.1	1090.8
-5	4023.1	3834.6	3638.4	762.5	841.4	925.4						
0	4807.2	4586.7	4359.6	771.0	852.7	940.4						
5	5707.2	5449.5	5187.0	776.8	860.7	951.2						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH34L-HA (R22, Condensing Temperature: 30/35/40℃)



SAH34L-HA (R22, Condensing Temperature: 30/35/40℃)

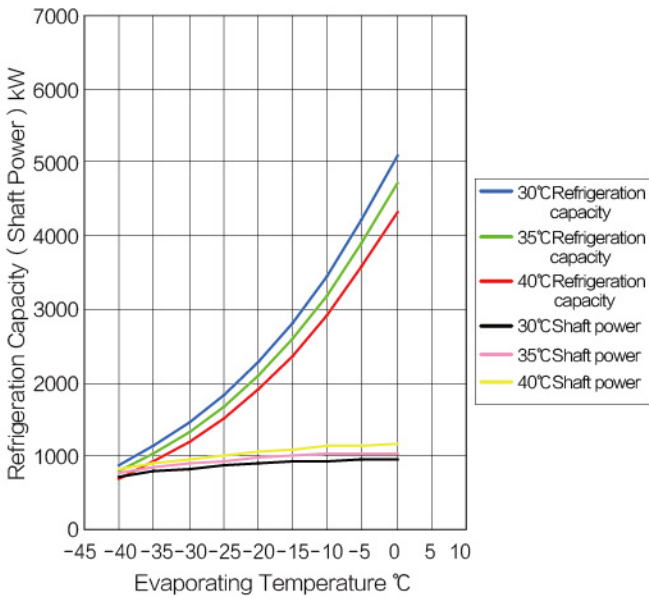


34L series single stage compressor package performance PARAMETERS and curve

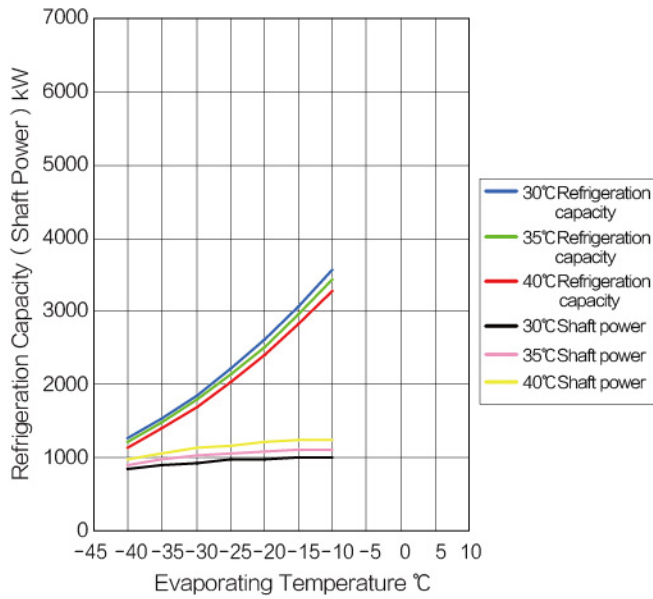
Tc Te	SNP34L-HA (R507A)						SAP34L-HA (R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	883.7	792.9	699.6	723.8	770.3	817.8	1257.6	1202.1	1138.9	834.6	903.5	978.9
-35	1141.3	1031.0	917.1	782.8	838.7	897.5	1534.4	1474.8	1403.5	892.8	973.9	1060.6
-30	1454.9	1321.9	1184.3	829.2	895.6	964.2	1855.7	1783.3	1703.0	935.4	1026.8	1124.5
-25	1833.0	1673.7	1508.8	865.4	940.8	1020.0	2214.6	2132.5	2039.4	965.0	1065.4	1172.7
-20	2285.3	2095.5	1899.2	894.3	977.3	1063.8	2615.9	2522.1	2416.5	984.3	1090.9	1207.7
-15	2822.9	2597.8	2365.0	916.5	1006.0	1099.7	3061.4	2953.5	2832.7	992.5	1107.7	1231.6
-10	3458.8	3192.1	2917.1	933.3	1028.3	1128.1	3557.1	3427.1	3288.0	998.8	1109.5	1246.8
-5	4208.0	3892.2	3568.0	946.1	1045.6	1150.4						
0	5088.4	4714.3	4332.2	956.3	1039.2	1168.1						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP34L-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP34L-HA (R507A, Condensing Temperature: 30/35/40℃)

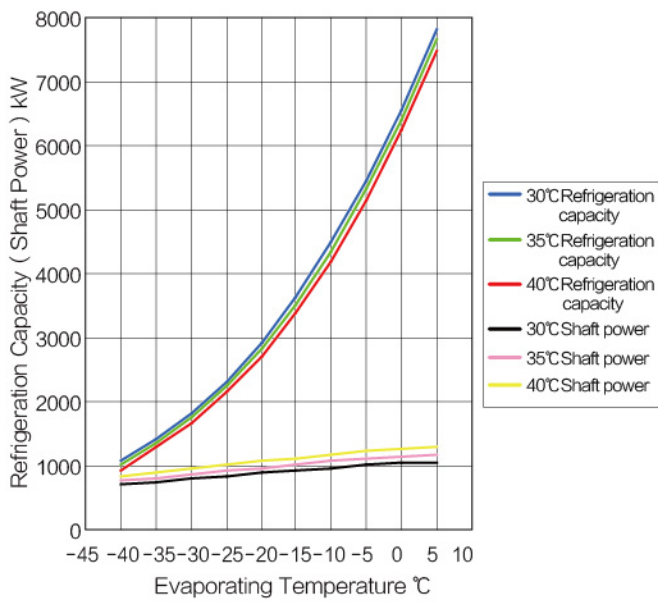


34LL series single stage compressor package performance PARAMETERS and curve

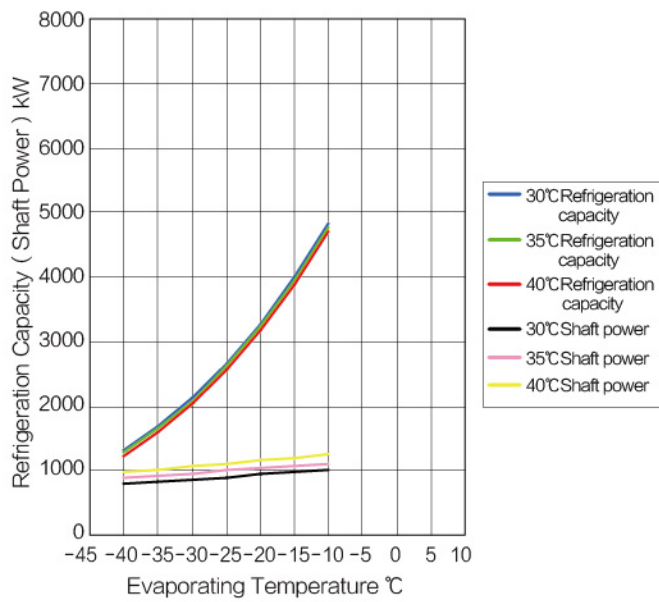
Tc Te	SNA34LL-HA (R717)						SAA34LL-HA (R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	1080.4	1029.8	937.7	701.7	766.5	833.3	1313.7	1278.6	1235.3	790.8	876.5	967.5
-35	1413.8	1353.4	1286.8	744.0	813.8	887.2	1685.3	1647.0	1599.8	825.1	915.6	1013.0
-30	1823.2	1751.4	1672.9	789.2	864.2	944.3	2130.2	2088.6	2037.8	861.3	956.5	1060.5
-25	2320.4	2235.1	2143.1	835.7	916.1	1003.2	2657.8	2612.5	2557.3	898.2	998.2	1108.2
-20	2918.8	2817.4	2709.8	882.0	967.9	1062.2	3276.6	3225.7	3167.9	933.9	1038.0	1155.0
-15	3633.4	3512.3	3386.5	926.6	1018.1	1120.0	3996.7	3939.7	3876.3	967.1	1075.5	1198.3
-10	4482.0	4336.4	4188.5	967.9	1065.1	1174.5	4831.3	4765.7	4694.7	997.0	1109.5	1238.0
-5	5437.8	5308.2	5133.5	1001.4	1107.3	1224.7						
0	6548.1	6406.0	6241.7	1032.8	1142.2	1268.7						
5	7830.3	7661.2	7490.3	1056.6	1172.2	1298.1						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA34LL-HA (R717, Condensing Temperature: 30/35/40℃)



SAA34LL-HA (R717, Condensing Temperature: 30/35/40℃)

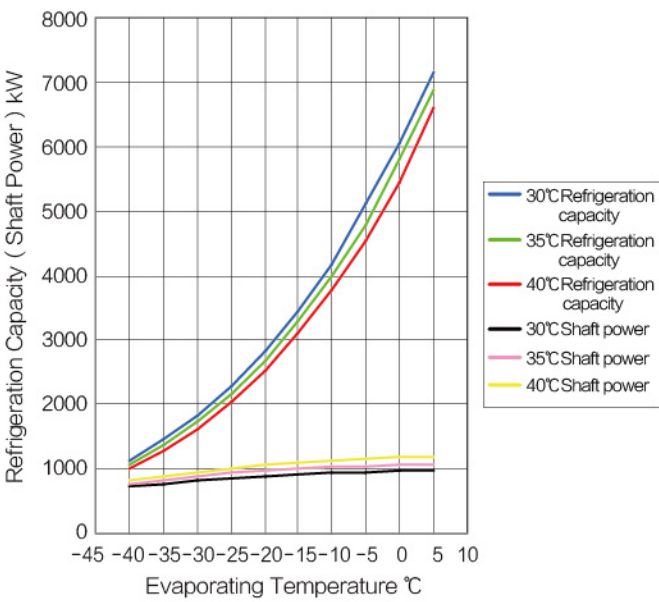


34LL series single stage compressor package performance PARAMETERS and curve

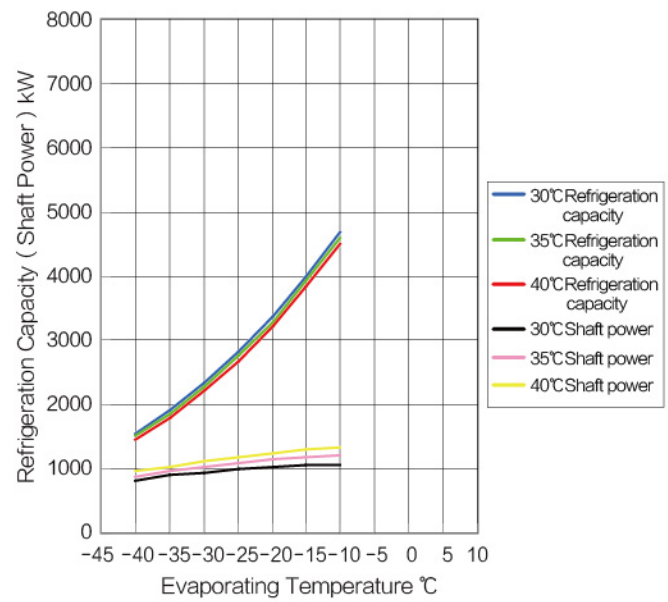
Tc Te	SNH34LL-HA (R22)						SAH34LL-HA (R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	1139.0	1067.0	989.2	715.6	762.4	809.2	1549.2	1506.4	1452.8	832.0	893.2	966.8
-35	1452.4	1365.7	1272.1	772.1	829.2	887.1	1912.1	1864.6	1805.1	897.9	969.5	1047.3
-30	1830.3	1726.5	1614.9	819.6	886.0	954.1	2334.1	2280.3	2214.8	952.0	1035.6	1119.0
-25	2281.5	2158.3	2026.2	858.9	933.6	1011.0	2817.4	2758.1	2684.8	995.5	1092.6	1183.1
-20	2815.8	2670.1	2514.9	890.9	972.9	1058.6	3365.6	3300.1	3220.2	1029.8	1141.7	1240.8
-15	3443.5	3272.0	3090.6	916.3	1004.7	1097.8	3984.1	3911.6	3822.0	1056.0	1184.3	1293.4
-10	4175.8	3974.6	3763.4	935.9	1029.8	1129.3	4680.1	4596.4	4498.3	1075.3	1221.5	1342.1
-5	5100.3	4789.5	4544.4	950.6	1049.1	1154.0						
0	6054.6	5822.8	5445.2	961.2	1063.2	1172.6						
5	7146.3	6875.6	6599.6	968.6	1073.2	1186.1						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH34LL-HA (R22, Condensing Temperature: 30/35/40℃)



SAH34LL-HA (R22, Condensing Temperature: 30/35/40℃)

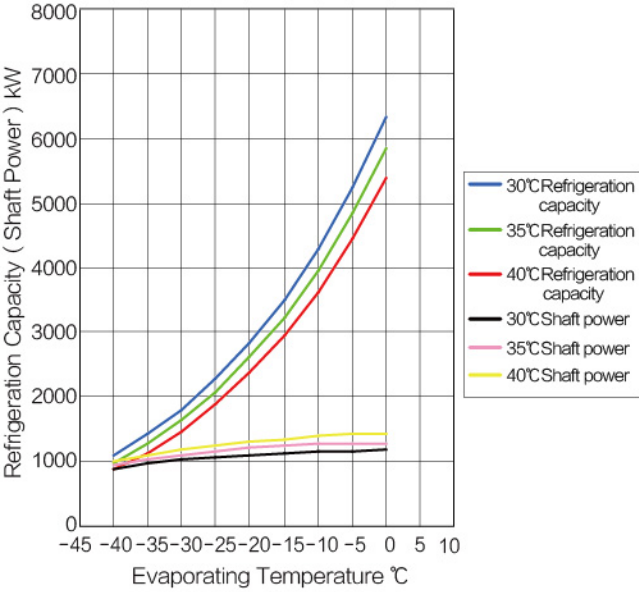


34LL series single stage compressor package performance PARAMETERS and curve

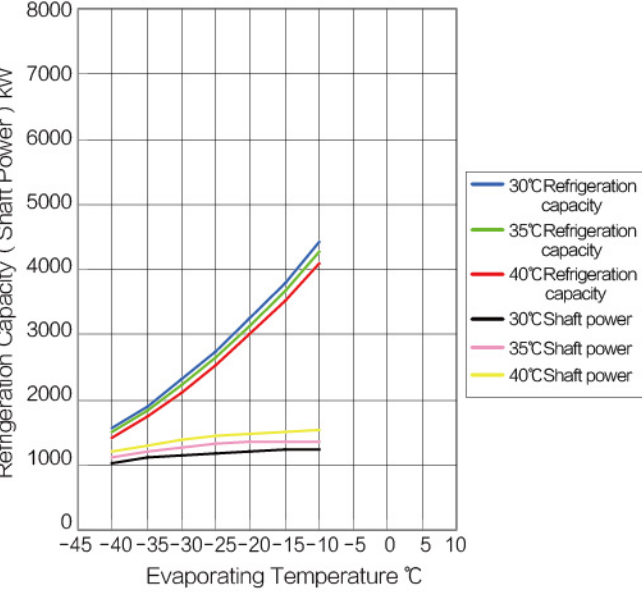
Tc	Te	SNP34LL-HA (R507A)						SNP34LL-HA (R507A)					
		Without Economizer						With Economizer					
		Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
		+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40		1095.8	983.2	867.5	890.3	947.5	1005.9	1559.4	1490.6	1412.2	1026.6	1111.3	1204.0
-35		1415.2	1278.4	1137.2	962.8	1031.6	1103.9	1902.7	1828.8	1740.3	1098.1	1197.9	1304.5
-30		1804.1	1639.2	1468.5	1019.9	1101.6	1186.0	2301.1	2211.3	2111.7	1150.5	1263.0	1383.1
-25		2276.6	2078.7	1873.9	1064.4	1157.2	1254.6	2750.5	2648.6	2532.9	1187.0	1310.4	1442.4
-20		2838.3	2602.6	2358.8	1100.0	1202.1	1308.5	3248.9	3132.4	3001.3	1210.7	1341.8	1485.5
-15		3506.0	3226.5	2937.3	1127.3	1237.4	1352.6	3802.3	3668.2	3518.2	1220.8	1362.5	1514.9
-10		4295.8	3964.6	3623.0	1148.0	1264.8	1387.6	4417.9	4256.5	4083.7	1228.5	1364.7	1533.6
-5		5226.3	4834.1	4431.5	1163.7	1286.1	1415.0						
0		6319.8	5855.2	5380.6	1176.2	1278.2	1436.8						
5		-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 5℃;
3. Tc—condensing temperature ℃, Te—evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

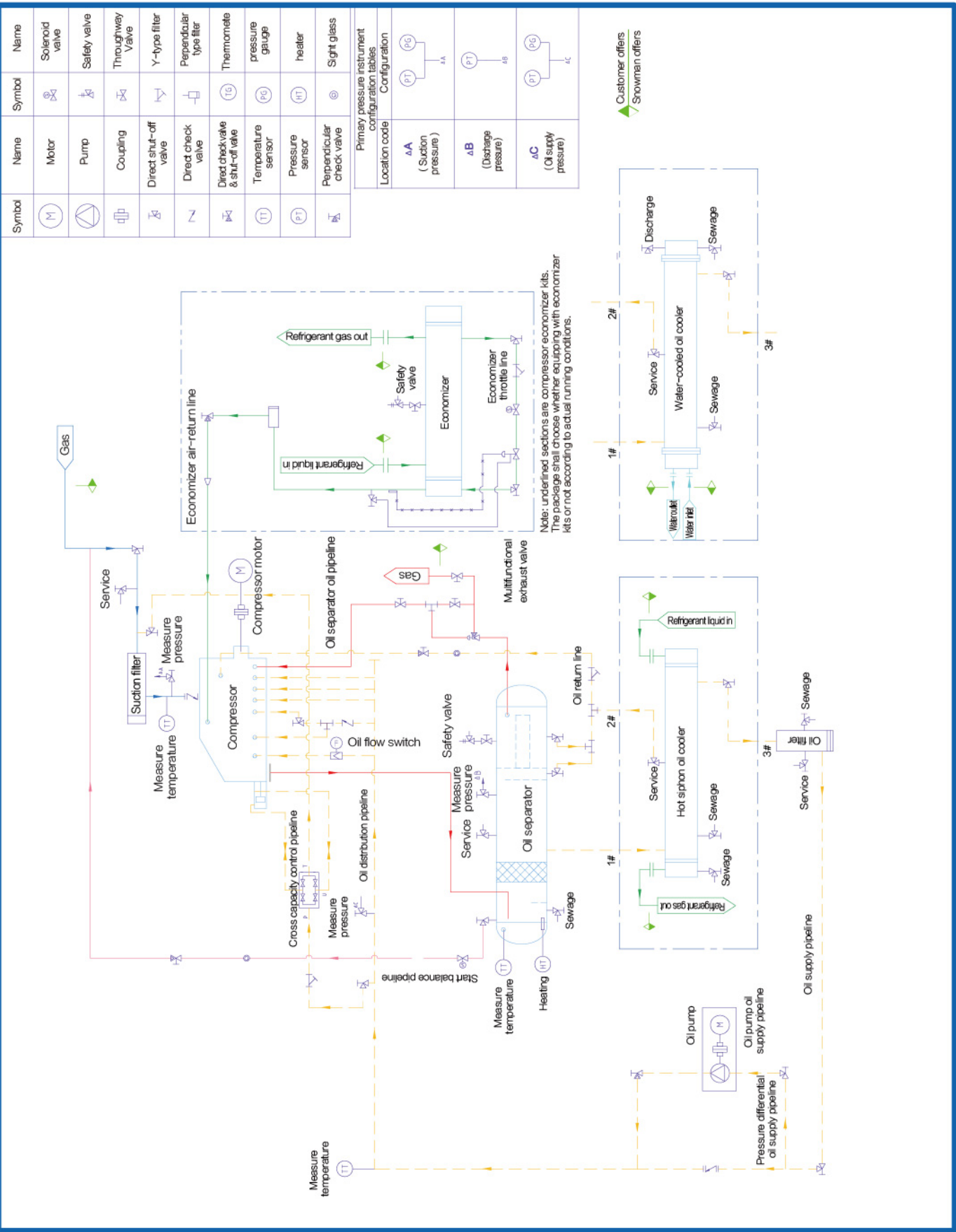
SNP34LL-HA (R507A, Condensing Temperature: 30/35/40℃)



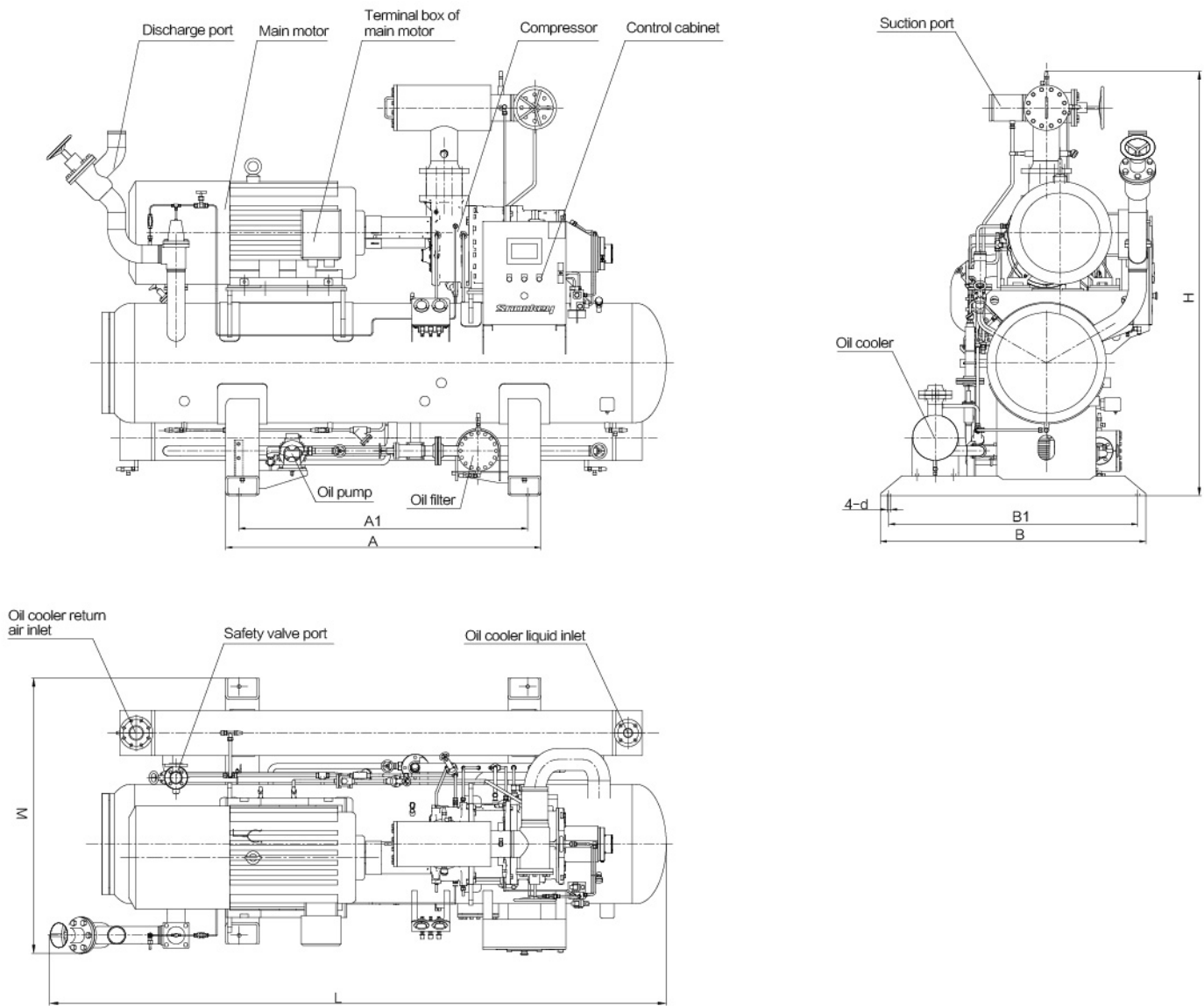
SAP34LL-HA (R507A, Condensing Temperature: 30/35/40℃)



Single stage compressor package system diagram



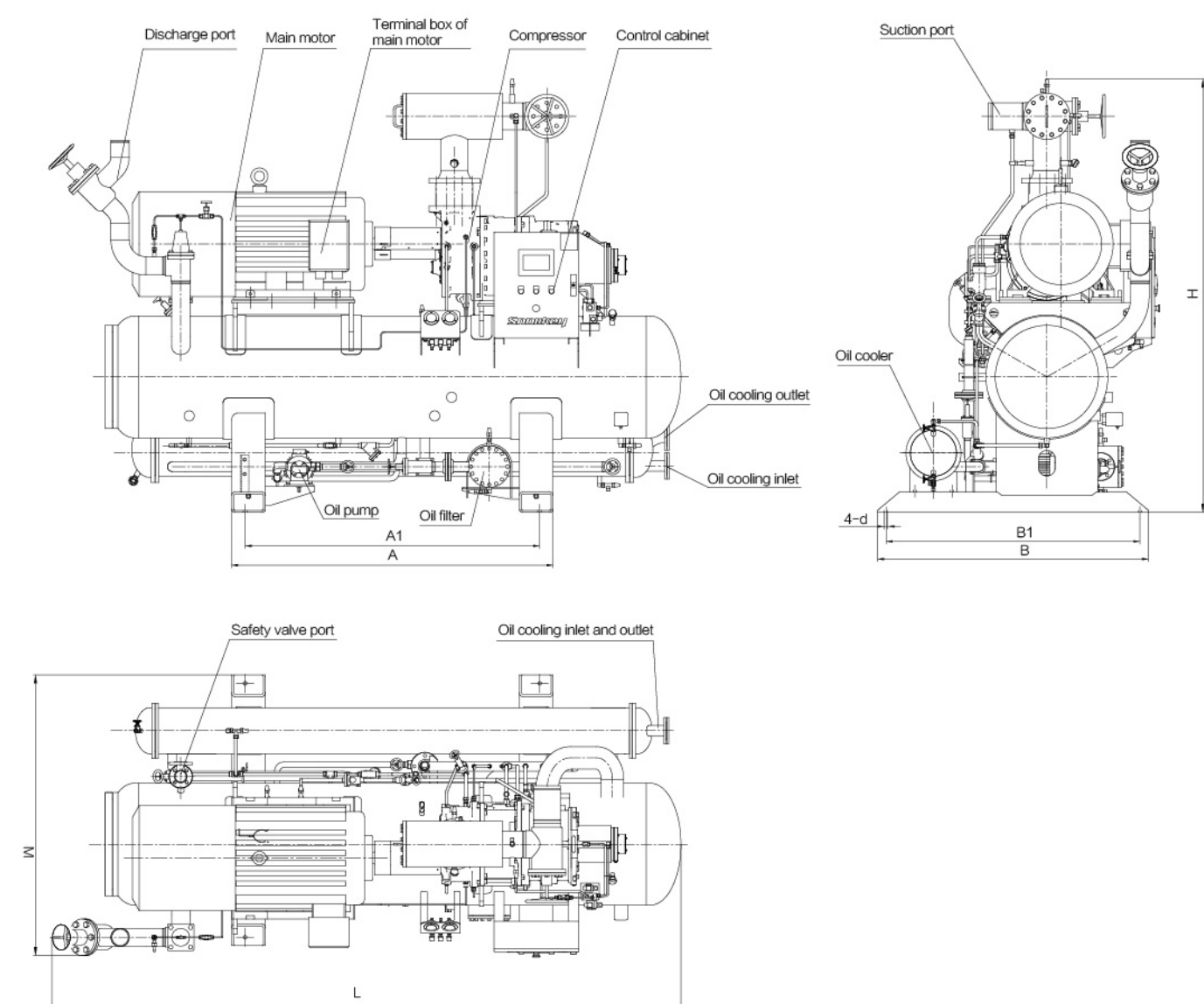
Single Stage Compressor Overall Dimension
(Without Economizer, Hot Siphon Oil Cooler)



Dimension \ Model		12 Series	16 Series	20 Series	26 Series
Appearance	L	2800	3450	3750	4900
	W	1300	1500	1900	2150
	H	1800	2300	2600	3550
Support	A	1650	1800	1900	2200
	A1	1490	1640	1740	2040
	B	1300	1400	1600	2000
	B1	1200	1300	1500	1900
	D	φ 22	φ 22	φ 22	φ 22

Note:1. This outline drawing is only for reference, actual package situation shall be defined by detailed design;
2. For unspecified standard, please perform according to our company's standard.

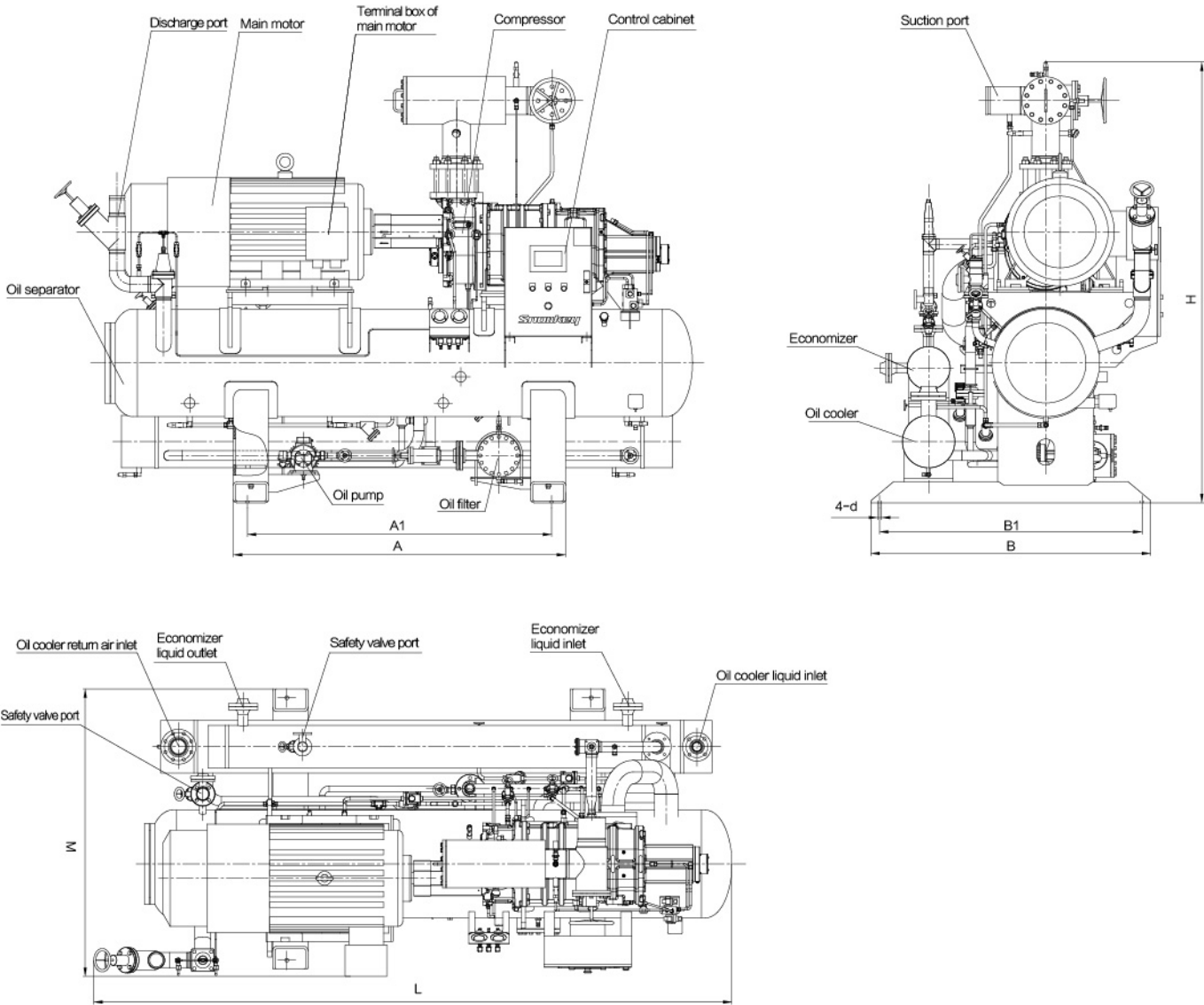
Single Stage Compressor Overall Dimension
(Without Economizer, Water Cooled Oil Cooler)



Dimension \ Model		12 Series	16 Series	20 Series	26 Series
Appearance	L	2800	3450	3750	4900
	W	1300	1500	1700	2150
	H	1800	2300	2600	3550
Support	A	1650	1800	1900	2200
	A1	1490	1640	1740	2040
	B	1300	1400	1600	2000
	B1	1200	1300	1500	1900
	D	φ 22	φ 22	φ 22	φ 22

Note:1. This outline drawing is only for reference, actual package situation shall be defined by detailed design;
2. For unspecified standard, please perform according to our company's standard.

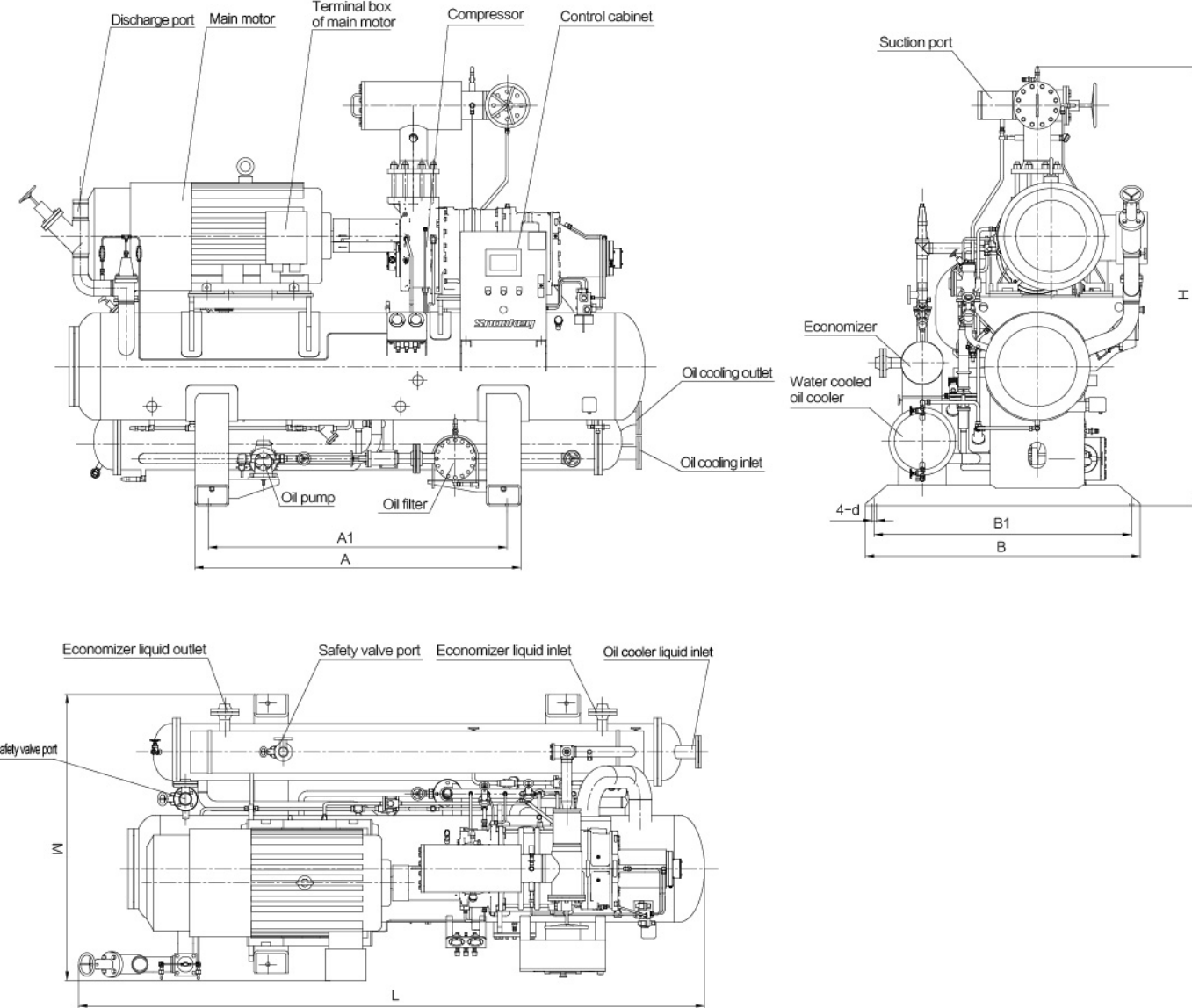
Single stage compressor overall dimension
(with economizer, hot siphon oil cooler)



Dimension \ Model		12 Series	16 Series	20 Series	26 Series
Appearance	L	2800	3450	3750	4900
	W	1300	1500	1900	2150
	H	1800	2300	2600	3550
Support	A	1650	1800	1900	2200
	A1	1490	1640	1740	2040
	B	1300	1400	1600	2000
	B1	1200	1300	1500	1900
	D	φ 22	φ 22	φ 22	φ 22

Note:1. This outline drawing is only for reference, actual package situation shall be defined by detailed design;
2. For unspecified standard, please perform according to our company's standard.

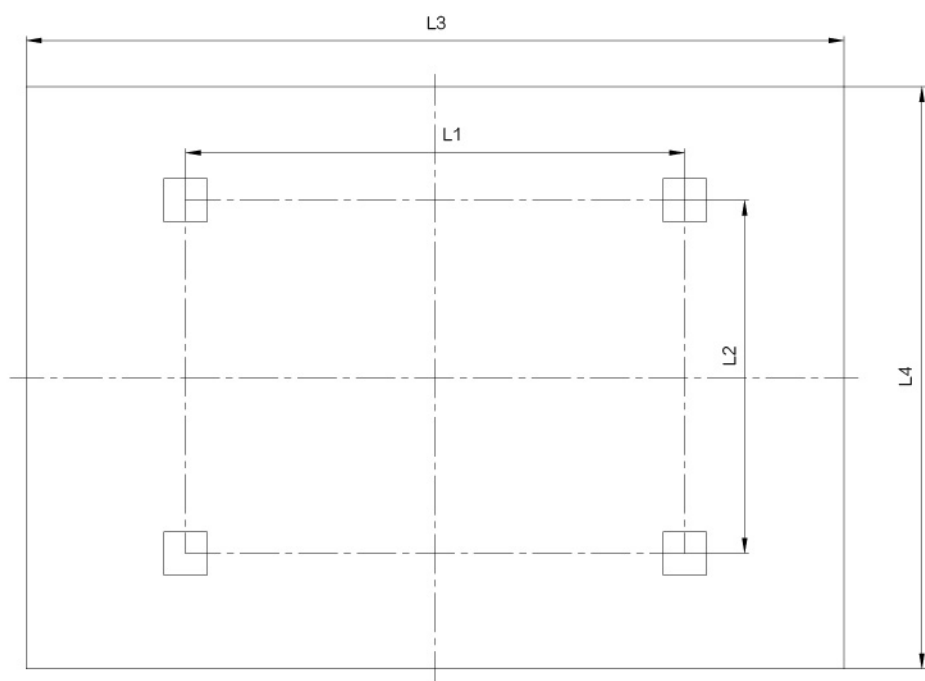
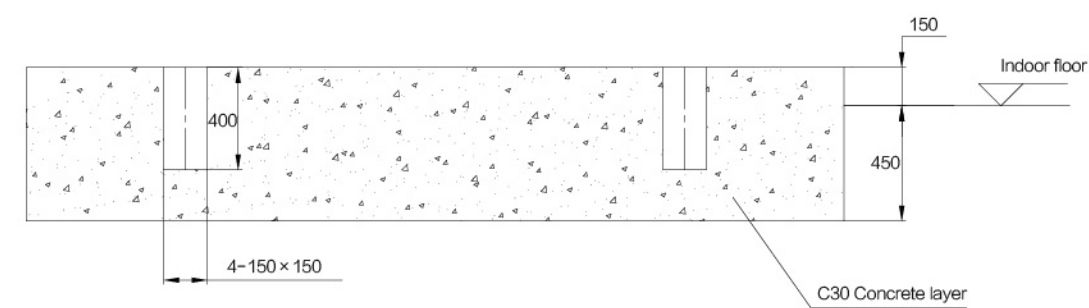
Single stage compressor overall dimension
(with economizer, water cooled oil cooler)



Dimension \ Model		12 Series	16 Series	20 Series	26 Series
Appearance	L	2800	3450	3750	4900
	W	1300	1500	1700	2150
	H	1800	2300	2600	3550
Support	A	1650	1800	1900	2200
	A1	1490	1640	1740	2040
	B	1300	1400	1600	2000
	B1	1200	1300	1500	1900
	D	φ 22	φ 22	φ 22	φ 22

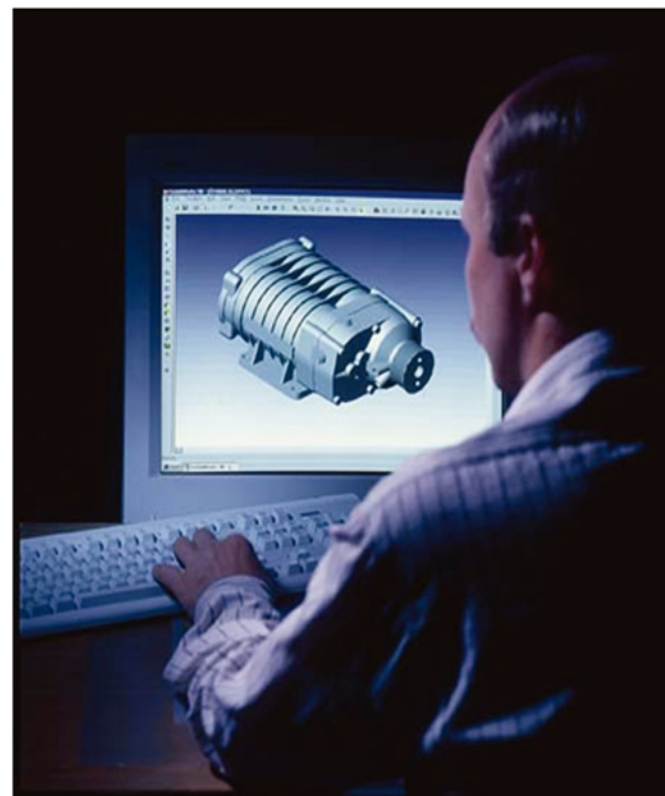
Note:1. This outline drawing is only for reference, actual package situation shall be defined by detailed design;
2. For unspecified standard, please perform according to our company's standard.

Compressor Package Foundation Schematic Diagram



Package model	L1(mm)	L2(mm)	L3(mm)	L4(mm)
12 Series	1490	1200	1940	1650
16 Series	1640	1300	2100	1750
20 Series	1740	1500	2200	1950
26 Series	2040	1900	2500	2300

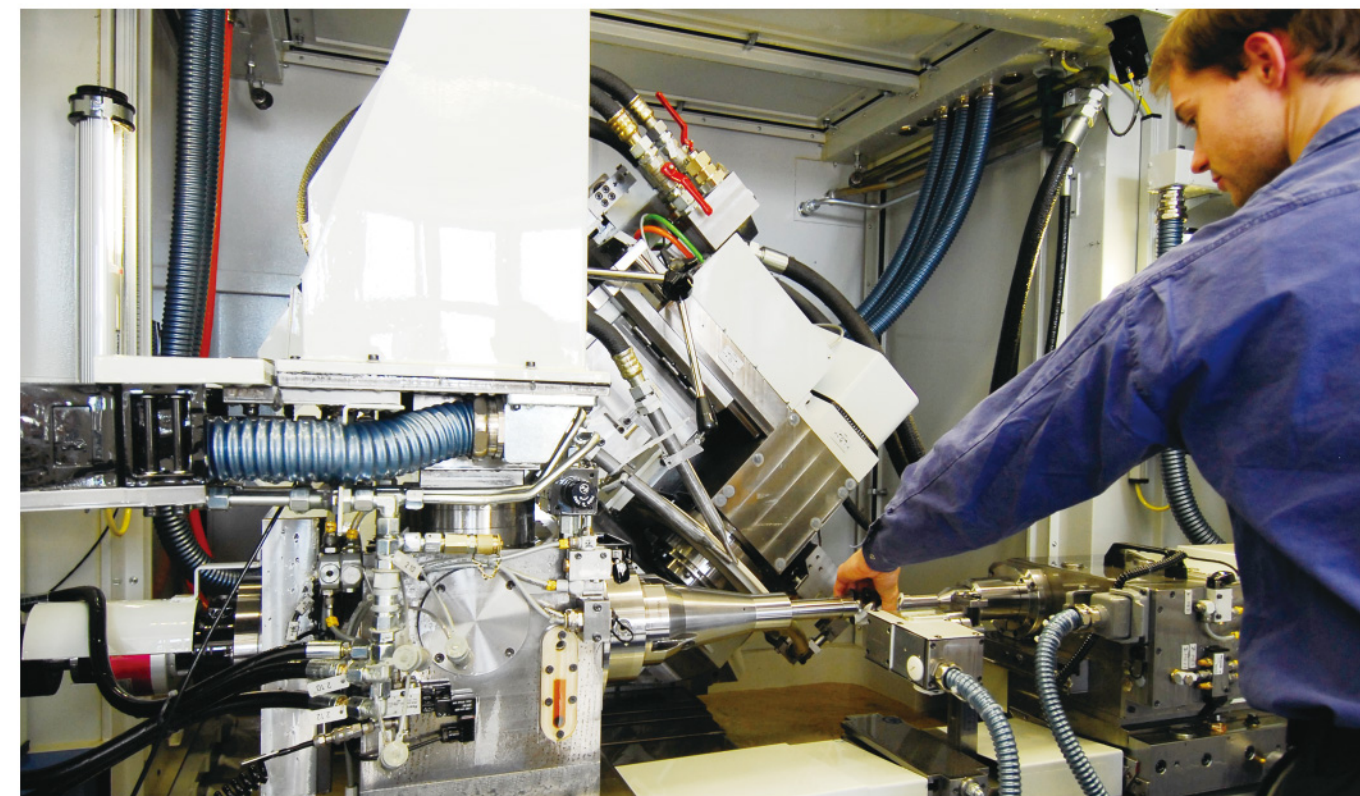
Note: Ensure the foundation settlement of compressor package is no more than 2 mm.



Compressor R&D technology

SRMTEC high-efficient and advanced screw compressor is developed based on SRM latest rotor “i” profile. The successful application of this “i” profile is the outcome of several generation’s hard work. It not only realizes the big breakthrough of screw rotor technology, also opens up a new epoch in the development of refrigeration screw compressor

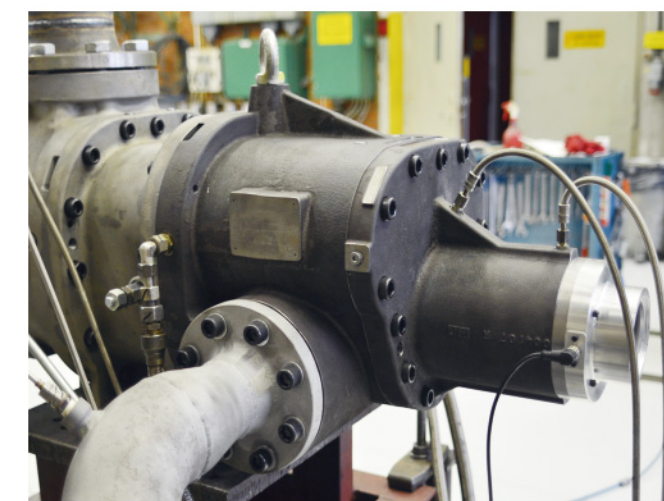
High speed screw compressor is the integration of contemporary high technologies; it covers the mechanical design and manufacture, power electronics, materials, automatic control, fluid mechanics, solid mechanics, chemistry and other multi-disciplinary, and so on. It is one important symbol and epitome for every country’s science and technology, manufacturing industry innovation ability, comprehensive strength, and modernization.



Compressor manufacture technology

The ductile iron casting housing has high breakdown pressure and toughness, and is applicable to wide temperature range. High-quality screw rotor materials are strictly forged, thus it improves the strength of metal and reduces the friction coefficient, which is good for compressor to run at high speed and improve efficiency.

The world’s most advanced screw compressor machining facilities, manufacturing process and strict manufacturing management system as well as SRM quality standard and professional technical team contributes to Snowman’s worldwide high performance screw compressor products.



Full performance test technology

Snowman’s large full performance test center has 4 independent laboratories, used to test compressor frequency converter motor with motor power range from 22kW to 1220kW.

Tests are carried out in accordance with current national standard and ISO standard and can be applied to frequently-used refrigerants and other gas. Equipped with closed loop circuit and open type test device. The test contents include full performance refrigeration capacity, refrigeration coefficient, shaft power, noise limit, vibration limit, strength, sealing and electronics etc.



7°C AC cooling water

The installations of central air-conditioning system, comfort air conditioning applications in shopping malls, railway stations, airports, ships, hotels, office buildings, public places, which is not only conducive to people's physical and mental health, but it can also improve the efficiency of production and work.



-15°C ice and ice sculptures

Indirect cooling brine to make ice is simple. The ice produced is larger, widely used in fishery production, dye chemical and other fields. The color transparent ice can be used for ice sculpture.



0.5°C concrete cooling

When pouring large earthwork volume concrete, the artificial refrigeration methods are available to absorb the release quantity of heat in the process of solidification of concrete to prevent cracks, and improve the strength of the concrete.



-25°C pharmaceutical and chemicals industry

Pharmaceutical and chemical process cooling for fine chemical engineering reaction and temperature control.



-10°C ice storage project

Make full use of valley power, gas and other resources, save operation cost for the user. Therefore, the applications such as dynamic or static ice storage, load and energy saving, waste heat utilization and recycling, "secondary energy" etc., and latent heat energy storage have become the world's hot spots in the field of energy .



-35°C low temperature cold storage

Food industry is one of the important applications for refrigeration technology. Refrigeration plays a decisive role in food processing, cold storage, preservation. The invention and application of screw compressor, not only promoted the development of food industry, but also promoted the development and utilization of food resources.