SRMTEC

Open Type Single Stage
Refrigeration Screw Compressor Package

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Version 1, March 2016

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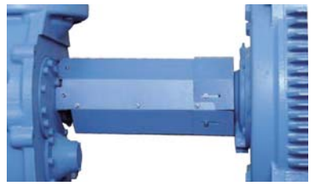
Srmtec Open Type Single Stage Refrigeration Screw Compressor Package

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



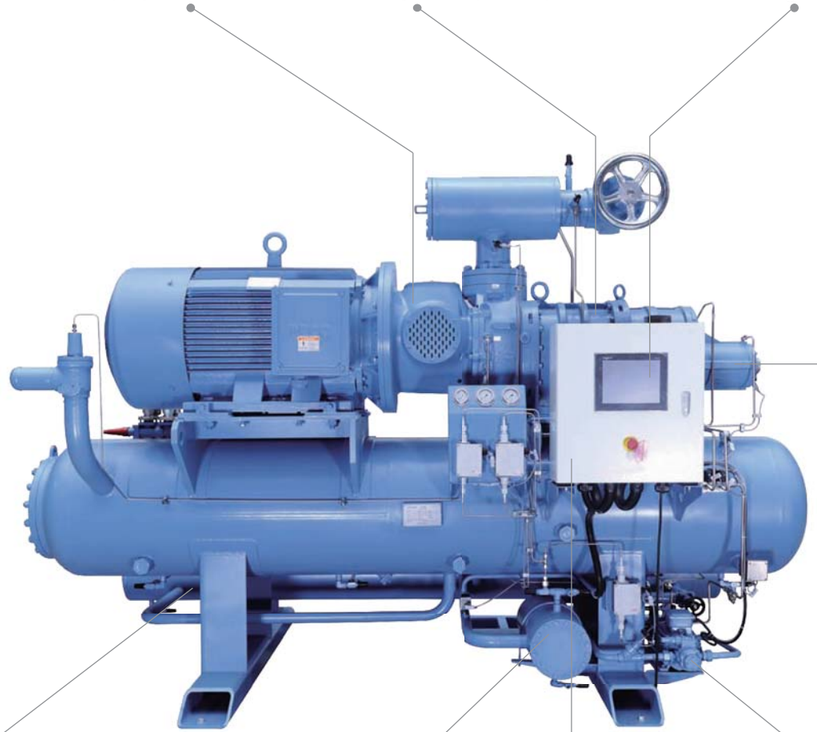
Flexible coupling

Original oil injection system

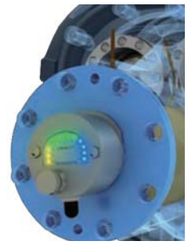
Intelligent control panel

Best forged steel rotor, “i” profile with optimal 5+7 tooth mesh

High strength nodular cast iron housing



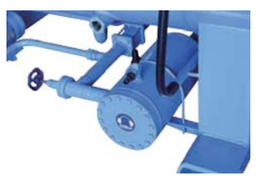
Efficient refrigeration compressor



10%~100%
Step-less capacity control

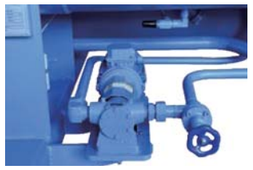
High precision, high wear resistance roller bearing

Efficient heat exchanger



Large capacity oil filter

Intelligent control center



Pre-lubricati oil pump

Super wear resistance shaft seal

Variable Vi Control

Package Features

Advanced Intelligent Control Center

- User Friendly Interface,one button start-up, easy opearation and intelligent control;
- RealTime 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;
- Automatically control pressure 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 sowe energy.
- The system can be started and stopped by remote and local control. Also can be real-time linked to monitoring center by reserved bus protocol.

Excellent Energy Efficiency Performance

- The package is equipped with international leading SRMTEC open screw compressor. Using "i" patent screw rotor profile, efficient and energy-saving;
- Highly sensitive capacity control unit for 10%-100% steples capacity control allows package to run efficiently under different working conditions.
- Adopt small oil pump for pre-lubrication first, and then use pressure differen to supply oil, saving energy;
- By compressor economizer, absorb sensible heat of intercooler high pressure liquid cooling to make high pressure liquid from condenser to gain larger recooling degree. 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 standard and GB/T19410 design standard, ensure 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 Filter

- 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 clean..

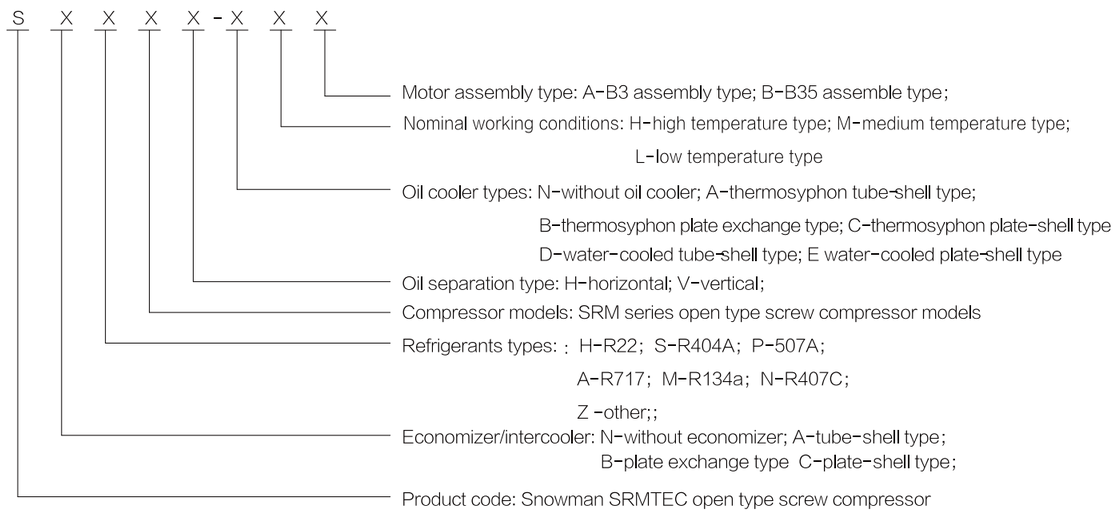
Anti-Reverse Flow Design

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

Stable Product Quality

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

Package model PARAMETERS



Package working condition

Evaporating temperature：-45℃~20℃

Discharge temperature：≤110℃

Oil supply temperature：30℃~65℃

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 manufacture of package conform to standards and PARAMETERSs below ;

GB9237-2001 safety requirement of mechanical refrigeration system for refrigeration and heating;

TSGR004-2009 fixed pressure vessels safety and technical supervision;

GB/T19410 screw refrigeration compressor;

GB150 pressure vessel;

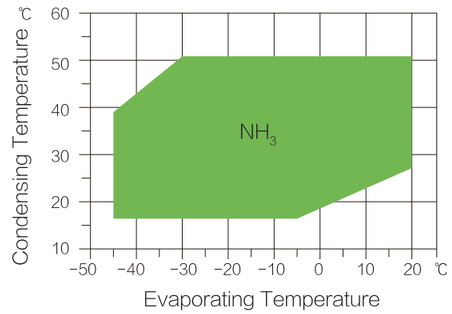
GB/T151 tube-shell heat exchanger;

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 for pigs, cattle, sheep and chickens, ducks and other poultry meat.
- Low temperature cold storage and cold chaihs

  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 sculpture , 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, running stably;
- 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, high 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 exclisivel capacity control cylinder explosion protection device.

Multi-points oil injection cooling

Multi-points oil injection cooling can ensure efficient and stable running of compressor.

Sealing for whole package

- Adopt high class O-ring, super sealing, 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, high 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;
- Customer can select different motors according to real working condition.

Heat exchanger features

- The package is equipped with 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,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 syotem is running, which ensures reliablity and power saving;
- Oil pump is 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 user can purchase lubricant according to the specification

Control center features

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

Easy operation

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

Dynamic tracking

Real-time monitor, 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 description of the abnormal situation and the corresponding solution, 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 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	12series								
Compressor	Model			SRM-12S			SRM-12M			SRM-12L		
	Theoretical displacement		m^3/h	215			262			310		
	Capacity control range			Step-less capacity control: 10~100%								
Refrigerant	Type			R717	R22	R507A	R717	R22	R507A	R717	R22	R507A
Refrigeration Capacity	High temperature working condition		kW	248	216	-	289	260	-	352	308	-
	Medium temperature working conditio		kW	110	101	114	129	122	132	157	145	160
	Low temperature working condition(ECO)		kW	50	58	68	59	70	80	72	83	97
Motor	High temperature working condition		kW	45	45	-	55	55	-	75	75	-
	Medium temperature working condition		kW	45	45	55	55	55	75	75	75	75
	Low temperature working condition(ECO)		kW	37	45	55	45	55	75	55	75	75
	Power supply			3P、380V、50Hz								
	R.P.M		r/min	2960								
	Rotational direction			Face with motor shaft side: anti-clockwise								
Refrigeration oil	Grade			SUNISO4GS/3GS/SL-68S								
	Standard			GB/T16630《 Refrigeration Oil》								
	Charge volume		kg	120			120			120		
External connecting pipe size	Suction pipe		mm	DN80			DN80			DN80		
	Discharge pipe	High/medium temperature	mm	DN50			DN50			DN50		
		Low temperature	mm	DN32			DN40			DN40		
	Economizer liquid in/out pipe		mm	DN32			DN32			DN32		
	Safety valve pipe		mm	DN32			DN32			DN32		
	Cooling method	Working medium cooled: Liquid inlet tube	mm	DN32	DN32	DN25	DN32	DN32	DN25	DN32	DN32	DN25
		Working medium cooled: Gas outlet pipe	mm	DN50	DN50	DN40	DN50	DN50	DN40	DN50	DN50	DN40
		Working medium cooled: Working medium consumption amount	kg/h	148	772	960	148	772	960	148	772	960
		Water cooled: Water inlet pipe	mm	DN40	DN40	DN32	DN40	DN40	DN32	DN40	DN40	DN32
		Water cooled: Water outlet pipe	mm	DN40	DN40	DN32	DN40	DN40	DN32	DN40	DN40	DN32
		Water cooled: Cooling water amount	m^3/h	10	10	7	10	10	7	10	10	7
Overall dimension	High temperature	L×W×H	mm	2800×1300×1800			2800×1300×1800			2800×1300×1800		
	Low temperature	L×W×H	mm	2800×1300×1800			2800×1300×1800			2800×1300×1800		
Package weight	Net weight		kg	2200			2400			2500		
	Operation weight		kg	2500			2700			2800		

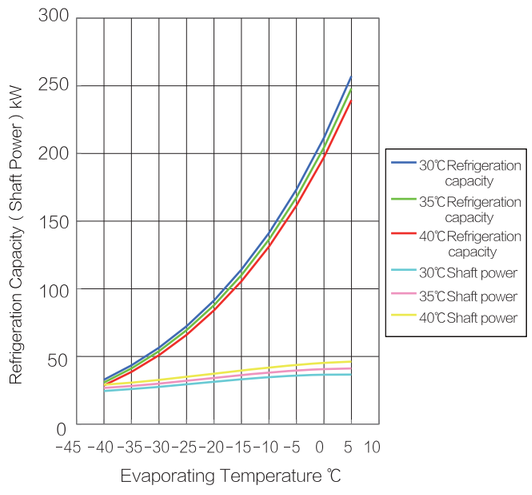
Note: 1. Motor power equipped for package shall be selected according to shaft power under actual running conditions, shaft power parameters shall be obtained according to compressor selection software.
2. Due to the differences of package real working conditions, the overall dimension and weight of 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

12S series single stage compressor package performance PARAMETERS and curve

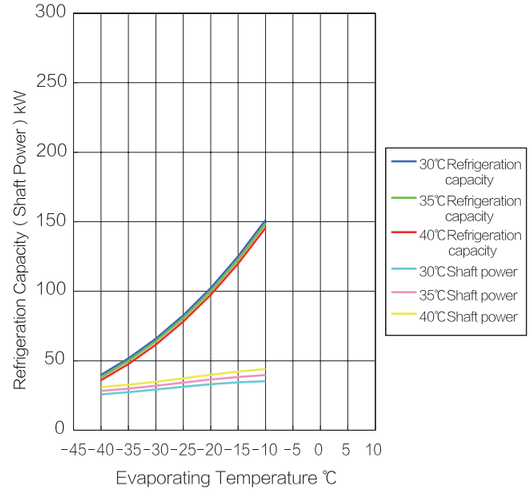
Tc \ Te	SNA12S-HA(R717) Without Economizer						SAA12S-HA(R717) With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	32.8	30.8	28.6	24.5	26.7	29.1	39.8	38.1	36.0	25.9	28.3	31.1
-35	43.4	41.2	38.6	25.9	28.2	30.7	51.7	50.0	47.7	27.4	30.0	32.7
-30	56.5	53.9	50.9	27.6	30.0	32.7	65.9	64.1	61.6	29.3	32.0	34.9
-25	72.4	69.4	65.9	29.4	32.0	34.9	82.7	80.7	78.2	31.3	34.3	37.4
-20	91.4	87.9	84.0	31.3	34.1	37.3	102.3	100.1	97.5	33.1	36.5	39.9
-15	114.2	110.1	105.6	33.1	36.2	39.6	125.0	122.7	119.9	34.5	38.3	42.2
-10	141.3	136.4	131.2	34.7	38.1	41.8	151.3	148.7	145.7	35.3	39.7	44.0
-5	173.4	167.5	161.5	35.9	39.6	43.7						
0	211.6	204.4	197.3	36.5	40.7	45.3						
5	257.1	248.0	239.4	36.6	41.2	46.2						

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

SNA12S-HA (R717, Condensing Temperature: 30/35/40 ℃)



SAA12S-HA (R717, Condensing Temperature: 30/35/40 ℃)

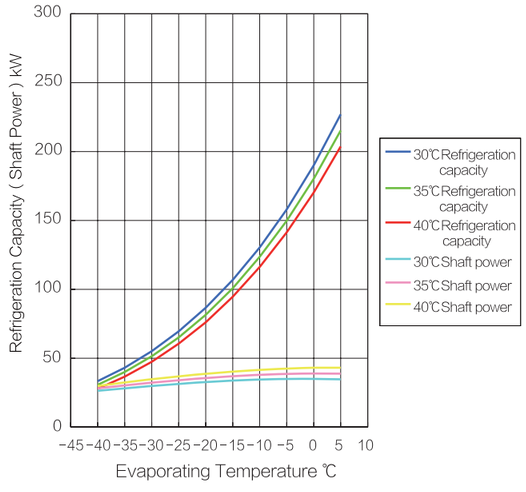


12S series single stage compressor package performance PARAMETERS and curve

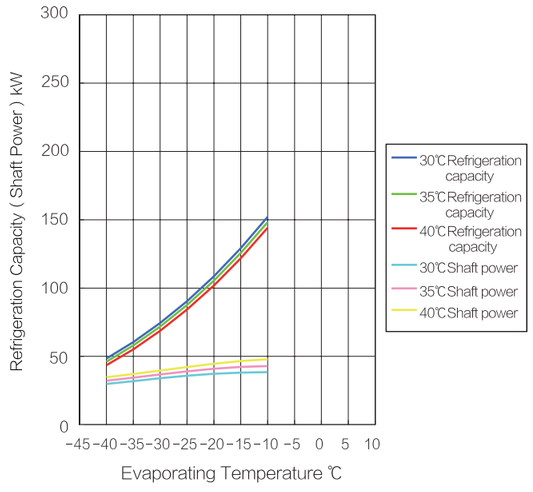
Tc / Te	SNH12S-HA(R22)						SAH12S-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	33.3	30.6	27.8	26.3	28.1	29.9	48.4	46.1	43.5	29.8	32.2	34.7
-35	43.1	40.0	36.6	28.1	30.2	32.4	60.4	58.0	55.1	31.9	34.4	37.0
-30	55.1	51.4	47.4	29.8	32.2	34.7	74.4	71.8	68.7	34.0	36.8	39.6
-25	69.5	65.1	60.5	31.4	34.0	36.8	90.4	87.6	84.3	35.9	39.0	42.2
-20	86.6	81.5	76.1	32.7	35.6	38.7	108.6	105.5	101.9	37.3	40.9	44.6
-15	106.8	100.8	94.6	33.7	36.9	40.2	129.1	125.7	121.8	38.1	42.3	46.6
-10	130.4	123.5	116.2	34.5	37.9	41.5	152.1	148.3	144.1	38.5	42.9	47.9
-5	158.0	149.8	141.3	34.9	38.6	42.4						
0	190.0	180.3	170.3	35.0	38.9	43.0						
5	226.9	215.3	203.6	34.7	38.8	43.1						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
3. Tc—condensing temperature ℃, Te-evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH12S-HA (R22, Condensing Temperature: 30/35/40℃)



SAH12S-HA (R22, Condensing Temperature: 30/35/40℃)

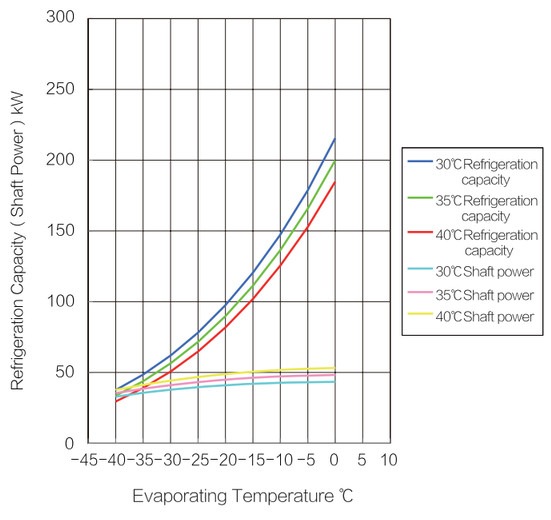


12S series single stage compressor package performance PARAMETERS and curve

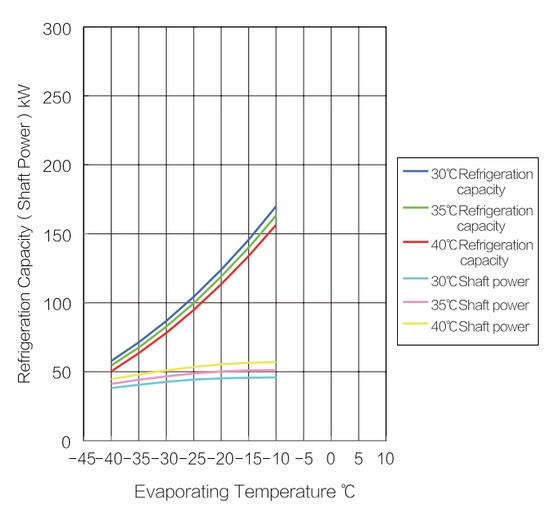
Tc / Te	SNP12S-HA(R507A)						SAP12S-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	37.5	33.6	29.5	32.9	35.4	37.7	57.8	54.5	50.3	38.2	41.2	44.6
-35	48.5	43.8	39.0	35.6	38.5	41.2	71.3	67.6	63.4	40.6	44.2	48.0
-30	62.0	56.4	50.6	37.8	41.0	44.2	86.8	82.7	78.1	42.7	46.7	51.0
-25	78.2	71.6	64.8	39.6	43.2	46.8	104.3	99.7	94.8	44.3	48.8	53.5
-20	97.6	89.8	81.8	41.0	44.9	48.8	123.9	119.0	113.4	45.3	50.2	55.4
-15	120.5	111.3	101.9	42.0	46.2	50.5	145.7	140.0	133.9	45.7	51.0	56.6
-10	147.4	136.4	125.5	42.7	47.2	51.7	169.9	163.3	156.5	46.0	51.1	57.1
-5	178.8	165.8	152.9	43.1	47.8	52.6						
0	215.5	199.9	184.8	43.3	48.2	53.2						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
3. Tc—condensing temperature ℃, Te-evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP12S-HA (R507A, , Condensing Temperature: 30/35/40℃)



SAP12S-HA (R507A, Condensing Temperature: 30/35/40℃)

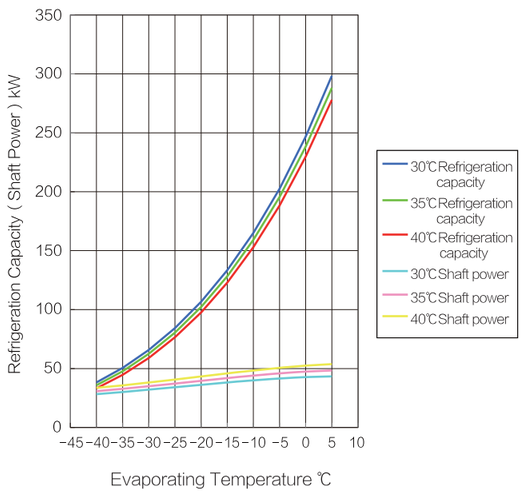


12M series single stage compressor package performance PARAMETERS and curve

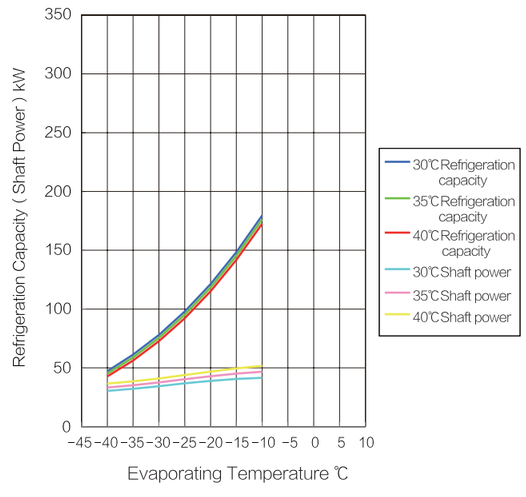
Tc \ Te	SNA12M-HA(R717)						SAA12M-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	38.2	35.8	33.2	28.3	30.8	33.6	47.2	45.1	42.7	30.4	33.3	36.6
-35	50.6	47.7	44.7	30.1	32.8	35.7	61.2	58.9	56.3	32.2	35.2	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	128.3	122.9	38.2	41.9	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	288.2	278.0	43.4	48.4	53.8						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
3. Tc—condensing temperature ℃, Te-evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNA12M-HA (R717, Condensing Temperature: 30/35/40℃)



SAA12M-HA (R717, Condensing Temperature: 30/35/40℃)

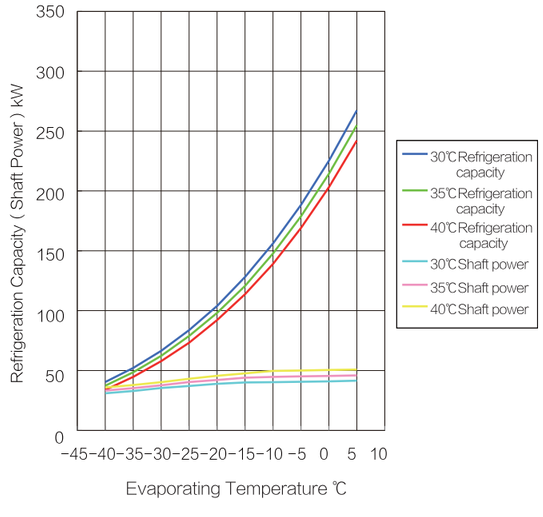


12M series single stage compressor package performance PARAMETERS and curve

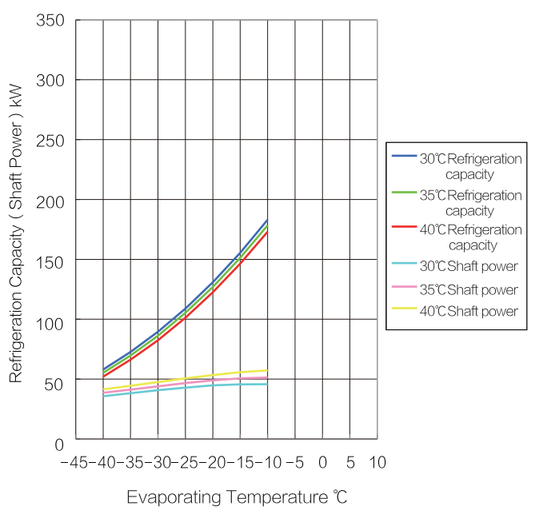
Tc \ Te	SNH12M-HA(R22)						SAH12M-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	40.0	36.8	33.3	30.8	32.8	34.9	58.0	55.3	52.1	35.7	38.6	41.5
-35	52.0	48.1	44.0	33.1	35.5	38.1	72.7	69.7	66.2	38.2	41.2	44.4
-30	66.5	61.9	57.0	35.1	37.9	40.9	89.6	86.3	82.5	40.7	44.0	47.5
-25	83.8	78.5	72.8	36.8	40.0	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	127.0	122.5	44.7	48.9	53.4
-15	128.8	121.5	113.7	39.4	43.2	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	183.0	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	217.0	205.1	41.3	45.7	50.4						
5	272.5	259.3	245.5	41.4	45.9	50.9						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
3. Tc—condensing temperature℃, Te-evaporating temperature℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNH12M-HA (R22, Condensing Temperature: 30/35/40℃)



SAH12M-HA (R22, Condensing Temperature: 30/35/40℃)

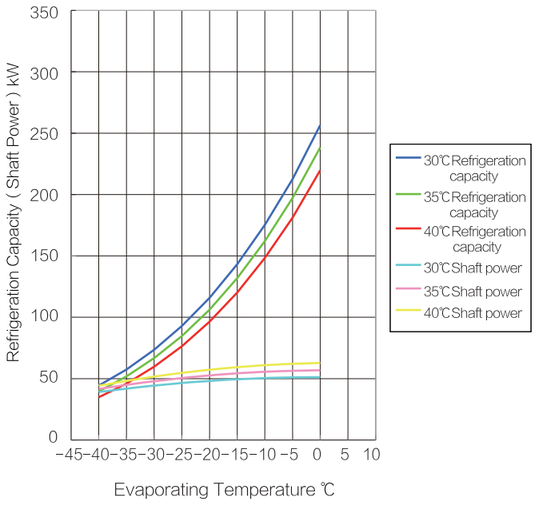


12M series single stage compressor package performance PARAMETERS and curve

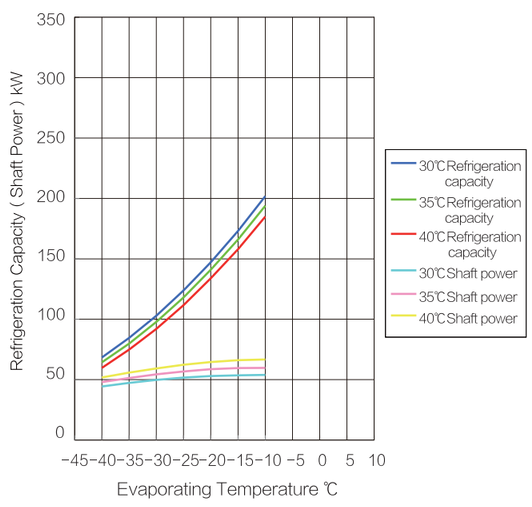
Tc \ Te	SNP12M-HA(R507A)						SAP12M-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	44.4	39.6	34.8	39.1	41.6	44.3	68.4	64.3	59.7	44.4	48.0	51.8
-35	57.5	51.8	45.9	41.9	45.0	48.2	84.5	79.8	74.8	47.3	51.4	55.8
-30	73.5	66.7	59.7	44.4	47.9	51.7	102.9	97.8	92.0	49.8	54.4	59.3
-25	92.9	84.7	76.4	46.5	50.5	54.7	123.8	118.0	111.7	51.7	56.8	62.3
-20	115.9	106.3	96.4	48.2	52.6	57.2	147.1	140.9	133.8	53.0	58.6	64.6
-15	143.2	131.9	120.2	49.5	54.3	59.3	173.1	166.0	158.0	53.5	59.6	66.1
-10	175.2	162.0	148.3	50.5	55.6	61.0	201.9	193.9	185.0	53.9	59.7	66.7
-5	212.6	197.3	181.2	51.0	56.4	62.1						
0	256.5	238.5	219.7	51.2	56.8	62.8						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
3. Tc—condensing temperature ℃, Te-evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP12M-HA (R507A, Condensing Temperature: 30/35/40℃)



SAP12M-HA (R507A, Condensing Temperature: 30/35/40℃)

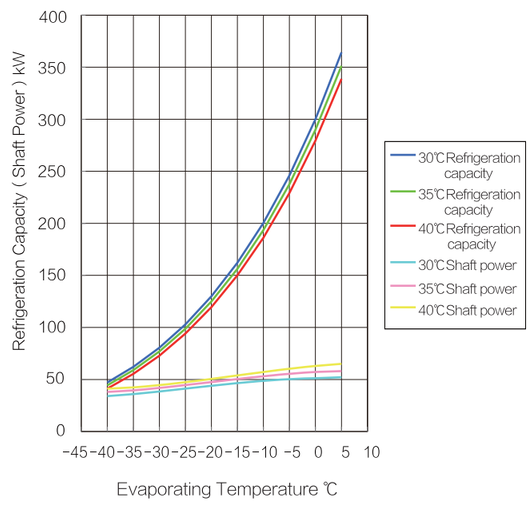


12L series single stage compressor package performance PARAMETERS and curve

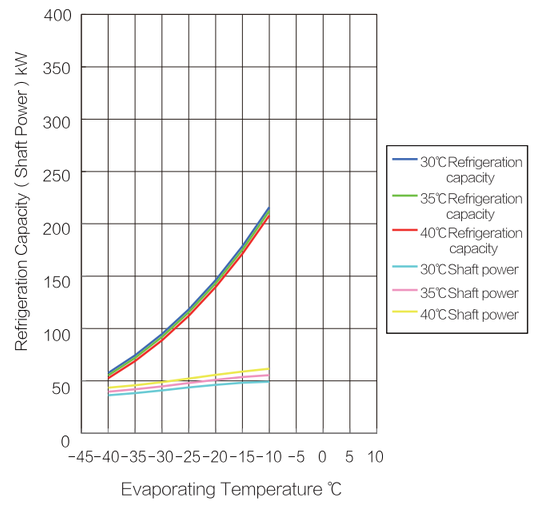
Tc \ Te	SNA12L-HA(R717)						SAA12L-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	47.0	44.3	41.2	34.1	37.9	41.1	57.5	55.2	52.4	36.2	39.6	43.5
-35	62.1	58.9	55.4	36.0	39.5	42.4	74.4	71.9	68.9	38.3	41.9	45.8
-30	80.5	76.9	72.8	38.5	41.8	44.5	94.6	91.9	88.7	40.9	44.7	48.8
-25	102.9	98.7	94.0	41.2	44.5	47.3	118.3	115.5	112.1	43.7	47.9	52.2
-20	129.9	124.9	119.5	43.9	47.4	50.4	146.2	143.2	139.6	46.2	50.9	55.7
-15	162.1	156.3	150.0	46.5	50.4	53.8	178.5	175.2	171.4	48.2	53.6	58.9
-10	200.4	193.5	186.2	48.7	53.1	57.2	215.9	212.3	208.0	49.2	55.5	61.5
-5	246.0	237.6	229.0	50.3	55.4	60.3						
0	300.0	289.8	279.4	51.1	57.2	63.0						
5	364.3	351.5	338.8	52.2	58.0	65.0						

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℃)



SAA12L-HA (R717, Condensing Temperature: 30/35/40℃)

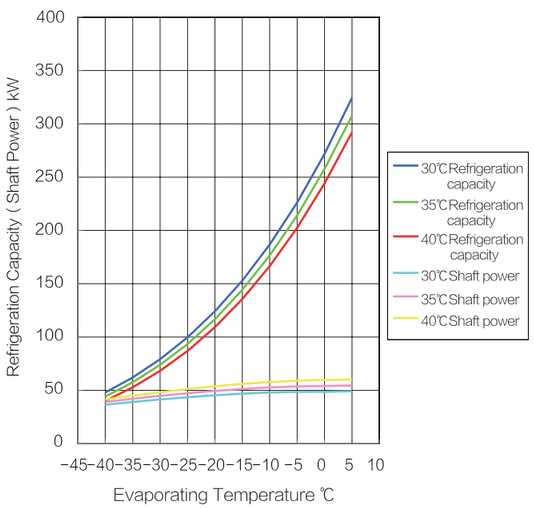


12L series single stage compressor package performance PARAMETERS and curve

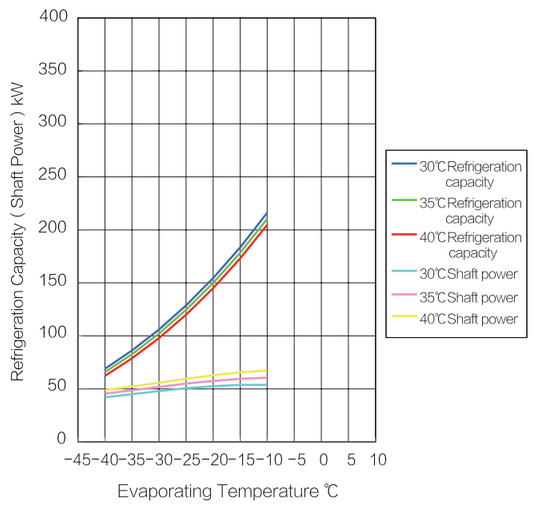
Tc \ Te	SNH12L-HA(R22)						SAH12L-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	47.9	44.2	40.2	36.6	39.1	41.6	69.0	65.9	62.3	42.1	45.5	49.0
-35	62.1	57.6	52.9	39.1	42.1	45.0	86.2	82.7	78.8	45.1	48.7	52.3
-30	79.2	73.9	68.4	41.5	44.9	48.2	106.0	102.2	98.0	48.0	51.9	55.9
-25	99.8	93.5	87.0	43.6	47.3	51.2	128.7	124.6	120.0	50.6	55.0	59.5
-20	124.2	116.8	109.3	45.5	49.5	53.8	154.5	149.9	145.0	52.6	57.6	62.8
-15	153.0	144.3	135.6	46.9	51.3	56.0	183.5	178.5	173.2	53.8	59.6	65.6
-10	186.8	176.6	166.5	48.0	52.7	57.8	216.1	210.4	204.7	53.9	60.5	67.5
-5	226.1	214.1	202.5	48.6	53.7	59.1						
0	271.7	257.6	244.1	48.7	54.1	59.8						
5	324.4	307.6	292.1	49.2	54.5	60.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

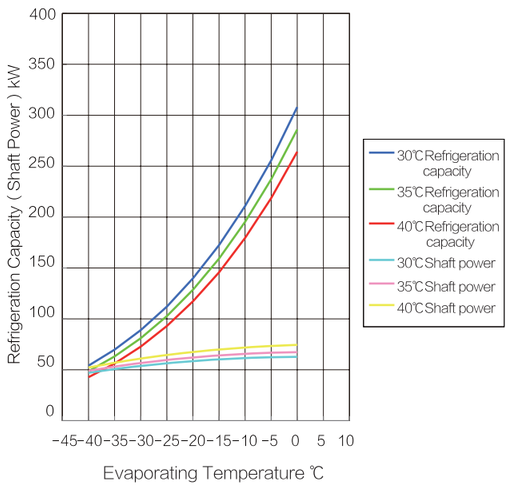


12L series single stage compressor package performance PARAMETERS and curve

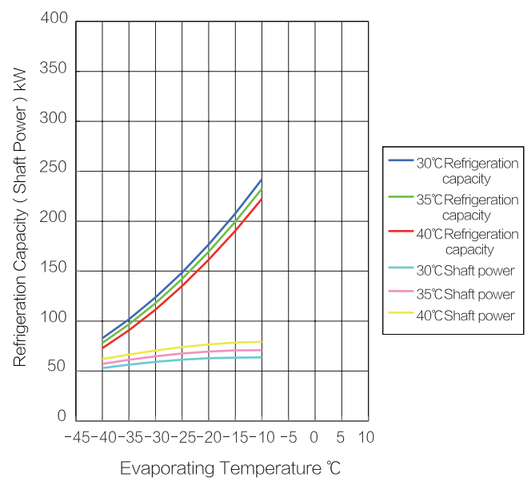
Tc \ Te	SNP12L-HA(R507A)						SAP12L-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	54.1	48.5	42.7	47.0	49.1	52.2	82.8	78.1	72.8	52.9	57.2	61.8
-35	69.7	63.0	56.1	50.7	53.1	56.9	101.8	96.7	90.7	56.3	61.2	66.4
-30	88.8	80.9	72.7	53.8	56.6	60.9	123.7	117.9	111.4	59.1	64.7	70.5
-25	112.0	102.6	92.9	56.4	59.6	64.5	148.5	142.2	135.0	61.3	67.5	74.0
-20	139.7	128.5	117.1	58.5	62.1	67.4	176.7	169.4	161.4	62.8	69.5	76.6
-15	172.4	159.2	145.7	60.2	64.1	69.9	207.8	199.6	190.4	63.4	70.7	78.4
-10	210.8	195.2	179.4	61.5	65.6	71.9	242.0	232.6	222.5	63.6	70.8	79.1
-5	255.7	237.2	218.6	62.3	66.7	73.4						
0	308.0	286.0	264.1	62.7	67.3	74.4						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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 PARAMETERSPARAMETERS

Item			Unit	16series								
Compressor	Model			SRM-16S			SRM-16M			SRM-16L		
	Theoretical displacement		m^3/h	435			544			652		
	Capacity control range			Step-less capacity control: 10~100%								
Refrigerant	Type			R717	R22	R507A	R717	R22	R507A	R717	R22	R507A
Refrigeration capacity	High temperature working condition		kW	509	452	-	636	547	-	762	657	-
	Medium temperature working condition		kW	227	213	229	284	258	287	340	310	345
	Low temperature working condition(ECO)		kW	105	124	141	133	150	176	160	182	212
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			SUNISO4GS/3GS/SL-68S								
	Standard			GB/T16630《Refrigeration Oil》								
	Charge volume		kg	180			180			180		
External connecting pipe size	Suction pipe		mm	DN125			DN125			DN125		
	Discharge pipe	High/medium temperature	mm	DN65			DN80			DN80		
		Low temperature	mm	DN50			DN50			DN50		
	Economizer liquid in/out 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
		Working medium consumption amount	kg/h	246	1325	1430	246	1325	1430	246	1325	1430
	Cooling method: Water cooled	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	m^3/h	15	15	12	15	15	12	15	15	12
Overall dimension	High temperature	L×W×H	mm	3200×1500×2300			3200×1500×2300			3200×1500×2300		
	Low temperature	L×W×H	mm	3200×1500×2300			3200×1500×2300			3200×1500×2300		
Package weight	Net weight		kg	3000			3300			3600		
	Operation weight		kg	3800			4100			4400		

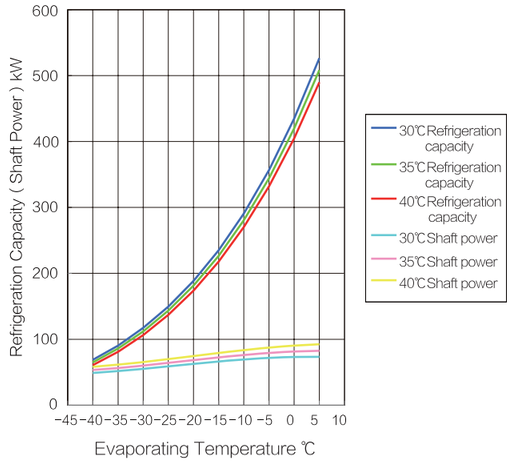
Note: 1. Motor power equipped for package shall be selected according to shaft power under actual running conditions, shaft power parameters shall be obtained according to compressor selection software.
2. Due to the differences of package real working conditions, the overall dimension and weight of 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

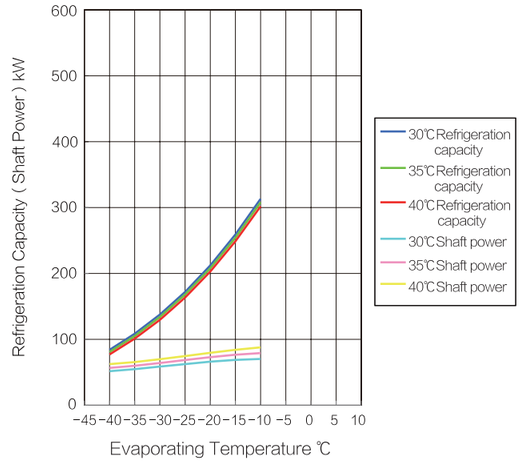
Tc / Te	SNA16S-HA(R717)						SAA16S-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	68.7	64.9	60.7	48.9	53.4	58.3	84.1	80.9	77.2	51.7	56.7	62.4
-35	90.5	86.0	81.1	51.7	56.4	61.5	108.5	105.0	101.0	54.9	60.0	65.6
-30	117.2	111.9	106.3	55.2	60.1	65.4	137.6	133.9	129.6	58.6	64.1	69.8
-25	149.5	143.4	136.9	58.9	64.2	69.9	172.0	168.0	163.4	62.5	68.5	74.7
-20	188.5	181.4	173.8	62.7	68.4	74.5	212.2	207.9	203.0	66.1	72.9	79.6
-15	235.2	226.7	217.9	66.3	72.5	79.2	259.0	254.2	248.9	68.8	76.6	84.1
-10	290.7	280.6	270.2	69.4	76.2	83.5	313.2	307.8	301.9	70.3	79.3	87.8
-5	356.6	344.3	331.9	71.8	79.3	87.4						
0	434.7	419.6	404.6	73.2	81.5	90.4						
5	526.4	508.3	489.9	73.4	82.6	92.4						

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℃)

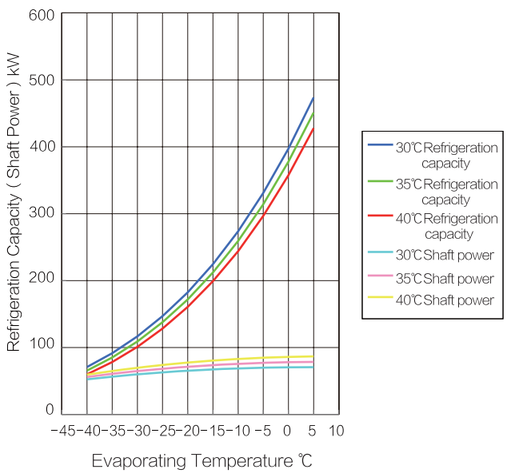


16S series single stage compressor package performance PARAMETERS and curve

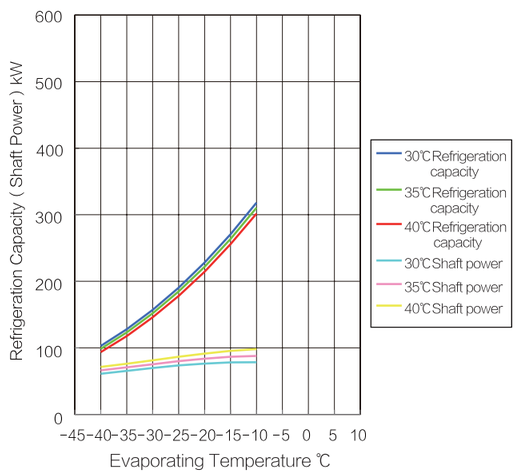
Tc / Te	SNH16S-HA(R22)						SAH16S-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	70.9	65.6	59.9	52.5	56.0	59.5	102.7	98.5	93.5	61.1	66.1	71.3
-35	91.6	85.2	78.4	56.5	60.7	64.9	127.9	123.2	117.7	65.4	70.7	76.1
-30	116.7	109.1	101.0	59.9	64.7	69.7	157.1	151.9	145.8	69.7	75.4	81.3
-25	146.8	137.8	128.2	62.9	68.3	73.9	190.4	184.7	178.0	73.5	79.9	86.5
-20	182.5	171.9	160.7	65.3	71.2	77.5	228.2	221.9	214.5	76.4	83.8	91.4
-15	224.5	212.1	199.1	67.3	73.7	80.5	270.6	263.7	255.7	78.1	86.6	95.4
-10	273.7	259.3	244.1	68.8	75.6	82.9	318.1	310.5	301.7	78.3	87.9	98.1
-5	330.9	314.1	296.6	69.8	77.1	84.7						
0	397.2	377.7	357.5	70.4	78.0	86.0						
5	473.8	451.1	427.8	70.6	78.5	86.8						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

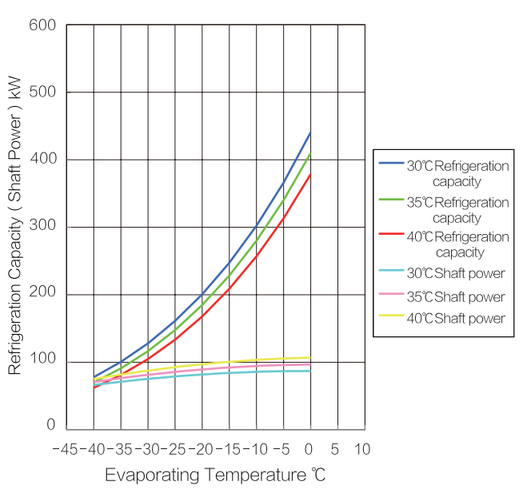


16S series single stage compressor package performance PARAMETERS and curve

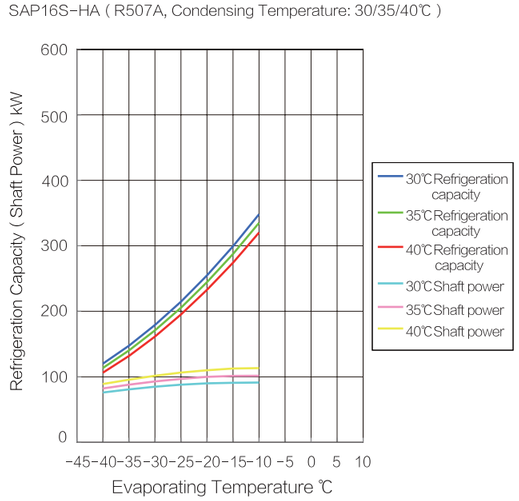
Tc / Te	SNP16S-HA(R507A)						SAP16S-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	77.9	70.0	61.9	66.3	70.7	75.2	120.0	113.5	106.2	76.0	82.2	88.9
-35	100.4	90.9	81.1	71.1	76.4	81.8	147.4	140.1	131.9	80.8	88.0	95.6
-30	128.0	116.5	104.7	75.3	81.3	87.6	179.1	170.8	161.4	84.9	92.9	101.5
-25	161.2	147.5	133.4	78.9	85.7	92.7	214.7	205.4	195.1	88.0	96.9	106.4
-20	200.7	184.6	167.9	81.8	89.3	97.0	254.7	244.5	232.8	90.0	99.8	110.1
-15	247.4	228.4	208.7	84.1	92.2	100.6	299.1	287.4	274.2	90.8	101.3	112.5
-10	302.2	279.9	256.8	85.8	94.4	103.4	348.1	334.9	320.2	91.2	101.5	113.4
-5	366.1	340.1	313.1	86.7	95.9	105.5						
0	440.6	410.2	378.7	86.9	96.6	106.7						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

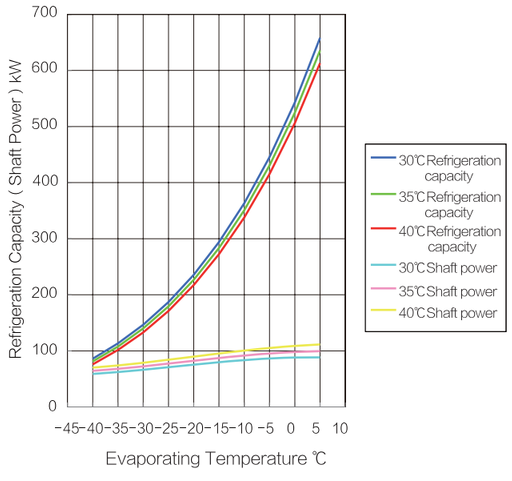


16M series single stage compressor package performance PARAMETERS and curve

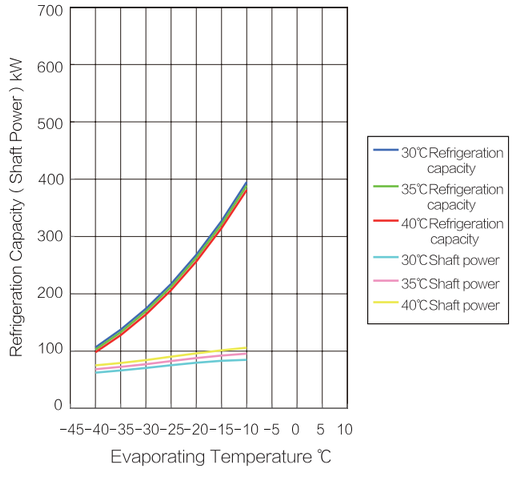
Tc \ Te	SNA16M-HA(R717)						SAA16M-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	86.1	81.3	76.0	58.8	64.3	70.2	106.5	102.5	97.8	62.4	68.4	75.2
-35	113.3	107.6	101.5	62.3	68.0	74.0	137.3	132.9	127.8	66.1	72.3	79.1
-30	146.6	140.0	132.9	66.4	72.4	78.8	174.0	169.3	163.9	70.7	77.2	84.2
-25	187.0	179.4	171.2	70.9	77.3	84.1	217.3	212.3	206.5	75.4	82.6	90.1
-20	235.7	226.9	217.3	75.5	82.3	89.7	268.0	262.7	256.5	79.7	87.8	96.0
-15	293.9	283.5	272.5	79.8	87.2	95.3	327.0	321.2	314.5	83.0	92.3	101.5
-10	363.2	350.9	337.9	83.5	91.7	100.5	395.2	388.7	381.4	84.7	95.5	105.9
-5	445.5	430.6	415.2	86.4	95.4	105.1						
0	542.9	524.7	506.3	88.1	98.1	108.8						
5	658.2	635.7	613.2	88.3	99.4	111.3						

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℃)

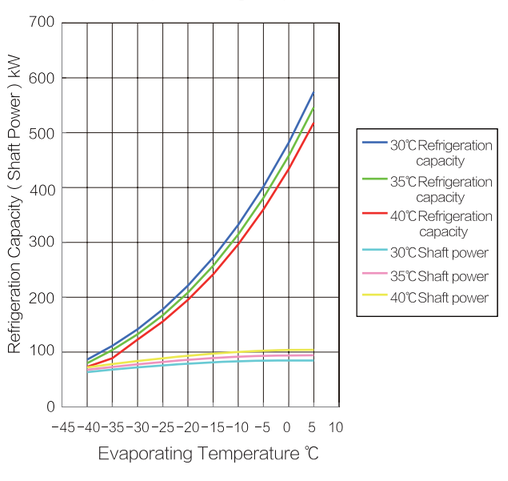


16M series single stage compressor package performance PARAMETERS and curve

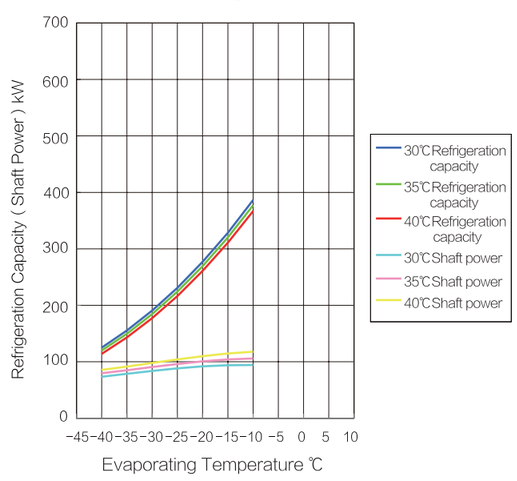
Tc \ Te	SNH16M-HA(R22)						SAH16M-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	86.2	79.7	72.9	63.3	67.6	72.0	125.0	119.9	114.0	73.6	79.6	85.8
-35	111.2	103.4	88.6	67.8	72.8	78.0	155.5	149.8	143.3	78.8	85.1	91.6
-30	141.5	132.3	122.6	71.9	77.7	83.6	190.7	184.5	177.3	83.9	90.7	97.9
-25	177.8	167.0	155.6	75.6	82.0	88.6	231.1	224.3	216.4	88.4	96.1	104.1
-20	221.1	208.3	195.0	78.7	85.8	93.1	276.9	269.4	260.9	91.9	100.8	109.9
-15	272.1	257.2	241.6	81.3	88.9	97.0	328.5	320.3	311.0	93.9	104.1	114.7
-10	331.8	314.4	296.3	83.1	91.4	100.1	386.4	377.2	367.0	94.2	105.7	117.9
-5	401.3	380.9	360.0	84.2	93.0	102.3						
0	481.8	457.9	433.7	84.4	93.7	103.7						
5	574.5	546.5	518.3	84.6	94.2	104.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

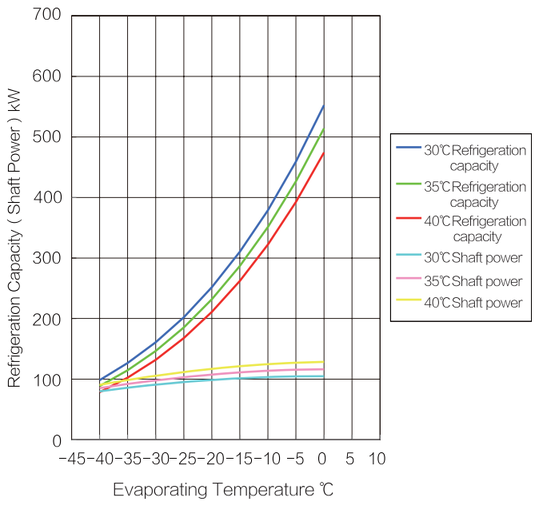


16M series single stage compressor package performance PARAMETERS and curve

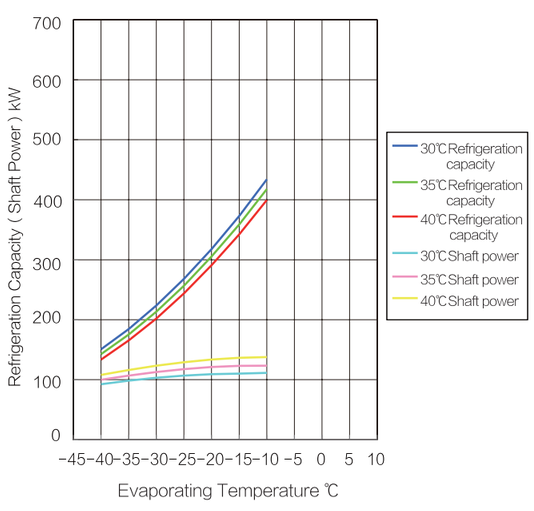
Tc / Te	SNP16M-HA(R507A)						SAP16M-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	98.3	88.5	78.3	79.9	85.1	90.5	150.5	142.4	133.3	92.3	99.8	108.0
-35	126.4	114.5	102.2	85.6	91.9	98.4	184.4	175.4	165.4	98.2	106.8	116.1
-30	160.7	146.5	131.8	90.7	97.9	105.4	223.6	213.5	202.0	103.1	112.8	123.2
-25	202.2	185.4	167.8	95.0	103.1	111.6	267.9	256.6	243.9	106.8	117.6	129.1
-20	251.7	231.7	210.9	98.6	107.5	116.9	317.6	305.2	290.8	109.3	121.1	133.6
-15	310.2	286.7	262.0	101.3	111.0	121.2	372.9	358.6	342.2	110.2	123.0	136.5
-10	378.9	351.1	322.1	103.3	113.7	124.6	434.0	417.8	399.4	111.3	123.2	137.7
-5	459.1	426.4	392.4	104.4	115.4	127.0						
0	552.5	514.1	474.2	104.6	116.2	128.4						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

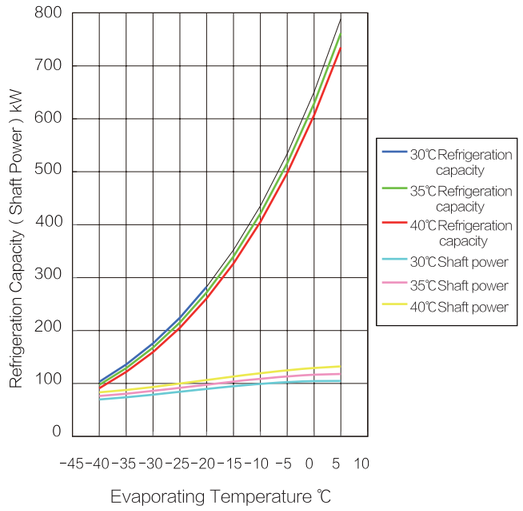


16L series single stage compressor package performance PARAMETERS and curve

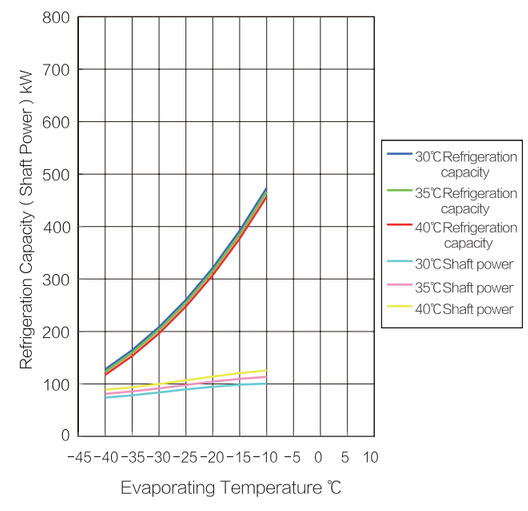
Tc / Te	SNA16L-HA(R717)						SAA16L-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	103.2	97.4	91.1	69.8	76.4	83.4	127.7	122.8	117.2	73.9	81.0	89.1
-35	135.8	129.0	121.7	74.0	80.7	87.9	164.5	159.3	153.2	78.4	85.7	93.7
-30	175.7	167.8	159.3	78.9	86.0	93.5	208.5	202.9	196.4	83.8	91.6	99.9
-25	224.2	215.0	205.2	84.3	91.8	99.9	260.4	254.5	247.5	89.5	98.1	106.9
-20	282.5	271.9	260.5	89.7	97.8	106.5	321.2	314.9	307.4	94.7	104.4	114.0
-15	352.3	339.8	326.6	94.8	103.6	113.2	391.9	385.0	376.9	98.6	109.7	120.6
-10	435.4	420.6	405.0	99.2	109.0	119.4	473.7	465.9	457.1	100.6	113.5	125.8
-5	533.9	516.1	497.7	102.6	113.4	124.9						
0	650.6	628.9	606.8	104.6	116.6	129.3						
5	788.9	761.9	734.9	104.9	118.1	132.2						

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℃)

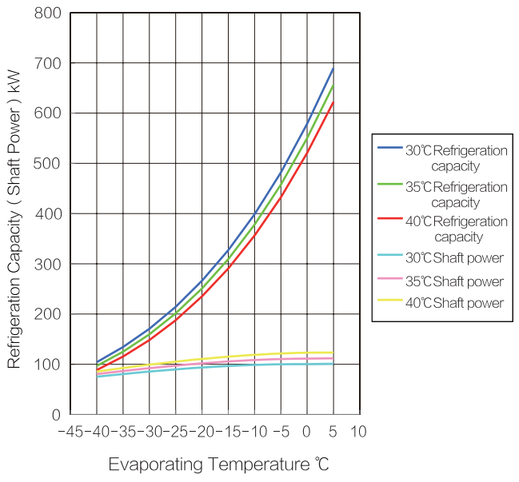


16L series single stage compressor package performance PARAMETERS and curve

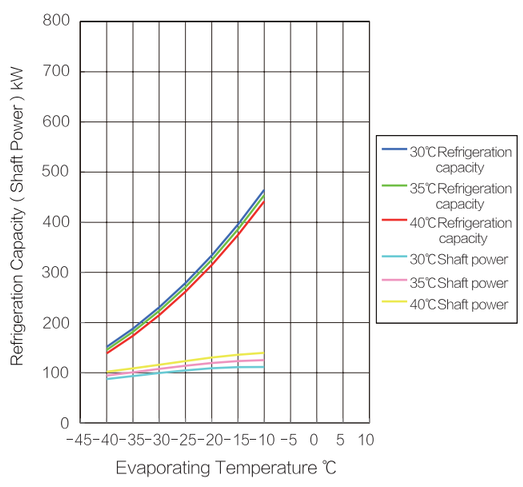
Tc / Te	SNH16L-HA(R22)						SAH16L-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	104.2	96.6	88.5	75.2	80.4	85.5	151.4	145.5	138.6	87.4	94.5	101.8
-35	134.3	125.1	115.4	80.5	86.6	92.6	188.0	181.5	173.7	93.4	100.9	108.6
-30	170.6	159.7	148.2	85.4	92.3	99.3	230.3	223.1	214.6	99.5	107.6	116.0
-25	214.3	201.4	187.8	89.8	97.4	105.3	278.7	270.8	261.5	104.8	114.0	123.4
-20	266.1	250.9	235.0	93.5	101.9	110.6	333.7	324.9	314.7	109.0	119.5	130.3
-15	327.2	309.4	290.8	96.6	105.6	115.2	395.5	385.8	374.7	111.3	123.4	135.9
-10	398.7	377.9	356.3	98.8	108.5	118.9	464.8	454.0	441.7	111.6	125.3	139.8
-5	482.0	457.6	432.5	100.0	110.4	121.5						
0	578.5	549.9	520.7	100.3	111.3	123.1						
5	689.9	656.3	622.4	101.2	111.7	123.5						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

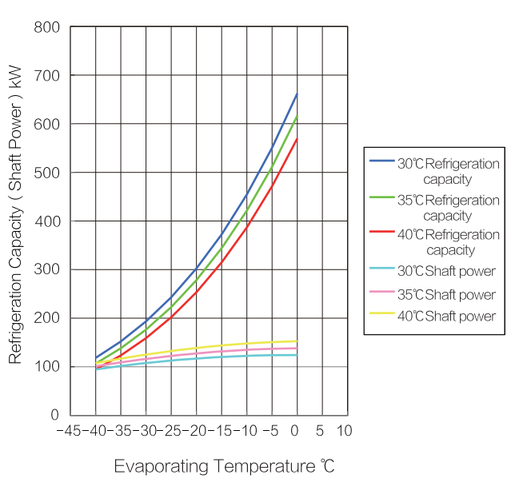


16L series single stage compressor package performance PARAMETERS and curve

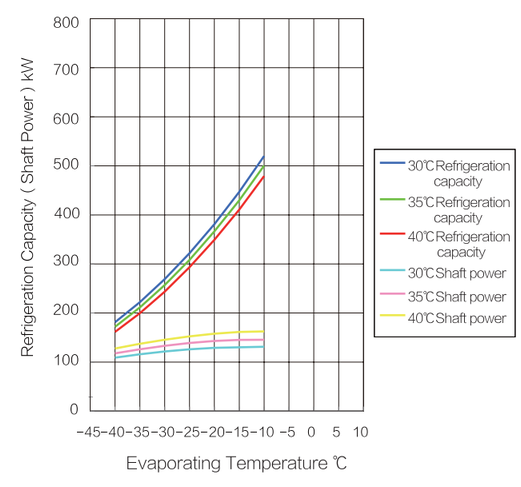
Tc / Te	SNP16L-HA(R507A)						SAP16L-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	118.5	106.9	94.8	94.8	101.2	107.6	181.2	171.8	161.3	108.9	117.9	127.6
-35	152.2	138.1	123.5	101.7	109.2	116.9	221.9	211.3	199.6	115.8	126.1	137.1
-30	193.5	176.5	159.0	107.7	116.4	125.3	268.9	256.9	243.3	121.6	133.2	145.5
-25	243.2	222.9	202.0	112.9	122.5	132.6	321.8	308.2	293.4	126.1	138.9	152.5
-20	302.4	278.4	253.6	117.1	127.7	138.8	381.1	366.3	349.3	129.0	143.0	157.8
-15	372.4	344.1	314.9	120.4	131.9	144.0	447.1	429.9	410.8	130.1	145.3	161.3
-10	454.5	421.2	387.0	122.7	135.0	148.0	520.1	500.6	479.2	131.2	145.5	162.6
-5	550.5	511.3	471.3	124.0	137.1	150.9						
0	662.3	616.3	569.8	124.3	138.1	152.6						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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		
	Theoretical Displacement		m^3/h	850			1100			1270			1500		
	Capacity Control Range			Step-Less Capacity Control: 10~100%											
Refrigerant	Type			R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	R717	R22	R507A
Refrigeration Capacity	High Temperature Working Condition		kW	1006	902	-	1302	1168	-	1503	1339	-	1796	1606	-
	Medium Temperature Working Condition		kW	454	429	455	591	554	593	683	638	691	816	765	815
	Low Temperature Working Condition(Eco)		kW	214	251	281	276	322	370	319	376	432	379	446	505
Motor	High Temperature Working Condition		kW	180	180	-	220	220	-	250	250	-	280	280	-
	Medium Temperature Working Condition		kW	180	180	220	200	220	280	220	250	315	260	280	355
	Low Temperature Working Condition(Eco)		kW	160	160	200	180	200	260	200	220	280	220	260	315
	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			SUNISO4GS/3GS/SL-68S											
	Standard			GB/T16630《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			DN65			DN80			DN80		
	Economizer Liquid In/out 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
		Medium Consumption Amount	kg/h	506	2450	2365	506	2450	2365	506	2450	2365	506	2450	2365
	Cooling Method: 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	m^3/h	32	32	24	32	32	24	32	32	24	32	32	24
Overall Dimension	High Temperature	L×w×h	mm	3500×1800×2600			3500×1800×2600			3500×1800×2600			3500×1800×2600		
	Low Temperature	L×w×h	mm	3500×1800×2600			3500×1800×2600			3500×1800×2600			3500×1800×2600		
Package Weight	Net Weight		kg	4200			4500			4800			5200		
	Operation Weight		kg	5200			5500			5800			6200		

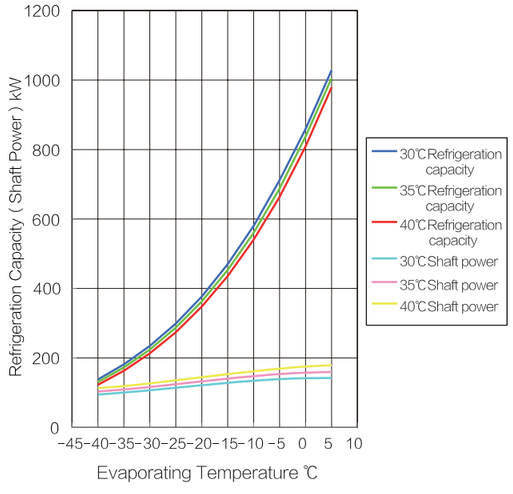
Note: 1. Motor power equipped for package shall be selected according to shaft power under actual running conditions, shaft power parameters shall be obtained according to compressor selection software.
2. Due to the differences of package real working conditions, the overall dimension and weight of 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

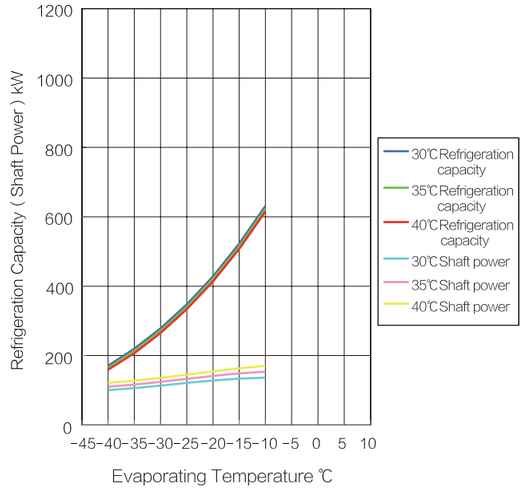
Tc / Te	SNA20S-HA(R717) Without Economizer						SAA20S-HA(R717) With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	137.9	130.5	122.3	94.5	103.4	112.9	170.7	165.2	158.7	100.3	110.0	121.1
-35	181.3	172.5	162.9	100.1	109.2	119.0	219.8	214.0	207.0	106.3	116.3	127.3
-30	234.5	224.2	213.1	106.8	116.3	126.6	278.3	272.2	264.9	113.6	124.2	135.5
-25	299.0	287.1	274.1	114.0	124.2	135.2	347.5	341.1	333.5	121.2	132.8	144.8
-20	376.7	362.8	347.8	121.3	132.4	144.2	428.4	421.8	413.9	128.1	141.2	154.4
-15	469.7	453.3	435.8	128.2	140.3	153.2	522.6	515.5	507.2	133.4	148.4	163.1
-10	580.3	560.8	540.4	134.3	147.5	161.6	631.6	623.7	614.8	136.1	153.5	170.1
-5	711.5	688.0	663.8	138.9	153.4	169.1						
0	859.2	837.9	808.9	141.6	157.7	175.0						
5	1028.7	1005.7	979.3	141.9	159.8	178.8						

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℃)

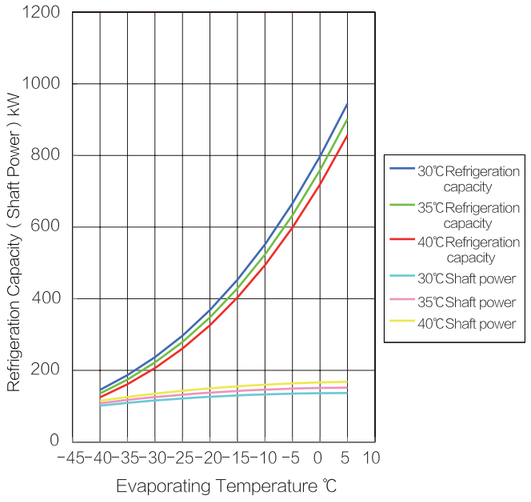


20S series single stage compressor package performance PARAMETERS and curve

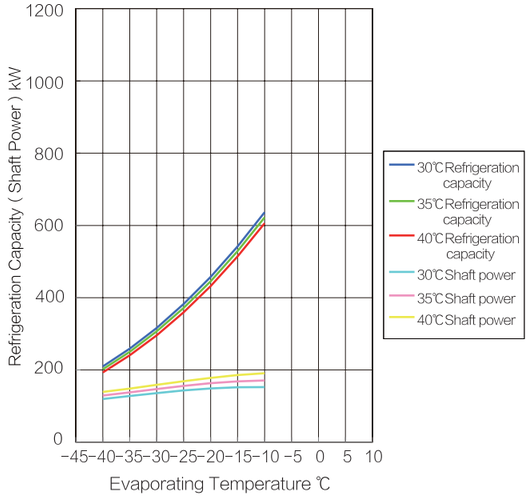
Tc / Te	SNH20S-HA(R22)						SAH20S-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	145.7	135.4	124.6	101.6	108.4	115.2	209.4	201.7	192.9	119.4	129.1	139.1
-35	186.8	174.4	161.4	109.3	117.4	125.6	258.8	250.2	240.2	127.7	137.9	148.4
-30	236.8	222.0	206.4	115.9	125.3	134.9	316.1	306.6	295.5	135.9	147.0	158.5
-25	296.9	279.4	260.9	121.6	132.1	143.0	382.1	371.6	359.3	143.2	155.7	168.6
-20	368.5	347.8	326.1	126.3	137.9	149.9	457.3	445.6	432.1	148.8	163.1	177.9
-15	453.0	428.7	403.3	130.2	142.6	155.7	541.9	529.0	514.1	151.9	168.5	185.6
-10	551.8	523.4	493.8	133.1	146.3	160.3	636.6	622.2	605.8	152.3	171.0	190.9
-5	666.1	633.0	598.8	135.1	149.1	163.9						
0	797.3	758.9	719.3	136.3	150.9	166.5						
5	944.6	902.0	856.4	136.7	151.8	168.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

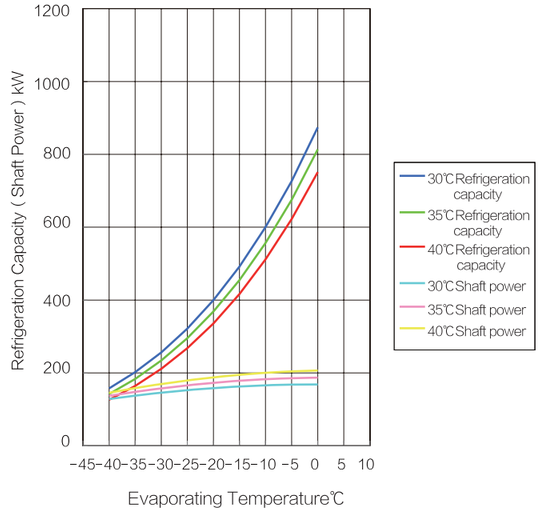


20S series single stage compressor package performance PARAMETERS and curve

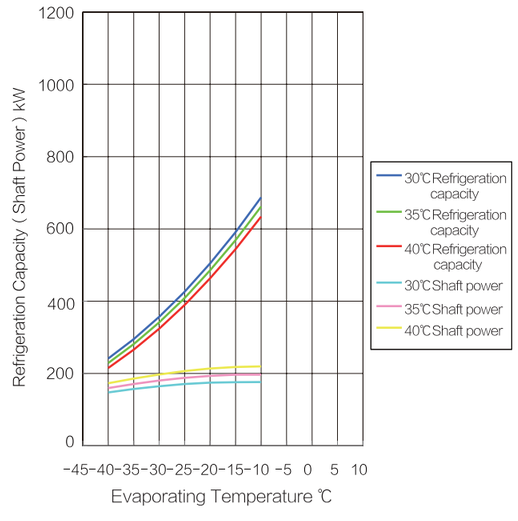
Tc / Te	SNP20S-HA(R507A)						SAP20S-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	157.5	142.0	126.2	128.4	136.9	145.5	241.2	228.8	215.0	147.6	159.6	172.8
-35	201.9	183.3	164.2	137.6	147.8	158.2	294.8	281.0	265.7	156.9	170.8	185.9
-30	256.2	234.0	211.1	145.8	157.5	169.5	356.6	341.1	323.6	164.7	180.4	197.2
-25	321.7	295.2	267.9	152.7	165.8	179.4	426.3	408.8	389.7	170.7	188.0	206.5
-20	399.7	368.4	335.9	158.4	172.8	187.9	504.5	485.3	463.4	174.5	193.5	213.6
-15	491.8	454.9	416.6	162.8	178.5	194.8	591.4	569.2	544.3	175.9	196.4	218.1
-10	600.0	556.4	511.3	166.0	182.7	200.3	687.6	662.3	634.2	176.3	196.6	219.7
-5	726.4	675.1	622.1	167.8	185.5	204.2						
0	874.1	813.5	751.2	168.3	186.9	206.5						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

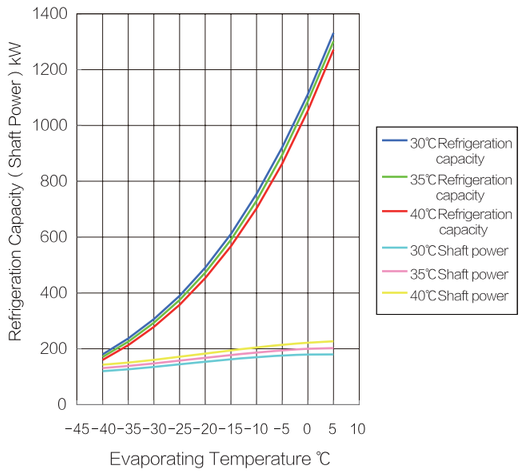


20M series single stage compressor package performance PARAMETERS and curve

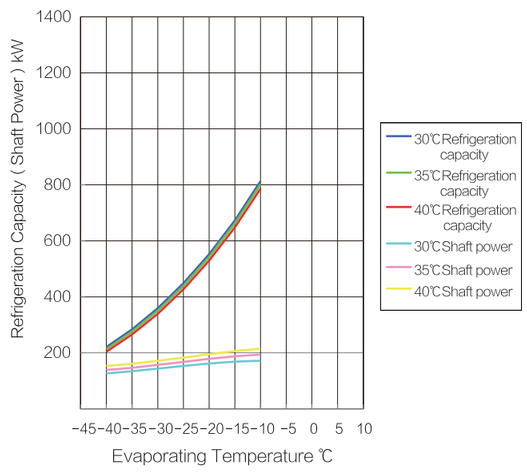
Tc \ Te	SNA20M-HA(R717)						SAA20M-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	180.3	170.8	160.2	119.9	131.1	143.1	220.8	213.2	203.8	126.7	138.9	152.9
-35	236.8	225.7	213.2	126.9	138.5	150.9	284.2	275.9	265.6	134.4	146.8	160.7
-30	306.0	293.0	278.4	135.4	147.5	160.5	359.6	350.8	339.7	143.6	156.9	171.2
-25	389.9	374.7	357.7	144.5	157.5	171.4	448.6	439.1	427.2	153.2	167.9	183.1
-20	490.7	473.0	453.2	153.8	167.8	182.8	552.6	542.5	529.7	162.0	178.5	195.2
-15	611.2	590.4	567.4	162.6	177.8	194.2	673.5	662.5	648.6	168.7	187.6	206.3
-10	754.7	730.0	703.1	170.2	186.9	204.9	813.5	801.2	785.9	172.1	193.9	215.1
-5	922.3	895.5	863.6	176.0	194.5	214.3						
0	1111.9	1086.9	1053.0	179.5	200.0	221.8						
5	1331.2	1301.5	1271.5	179.9	202.7	226.8						

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℃)

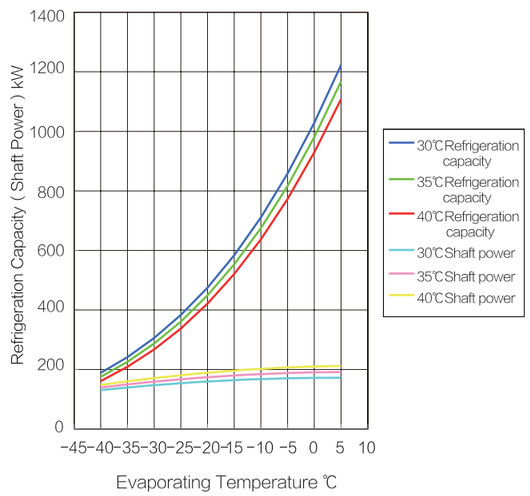


20M series single stage compressor package performance PARAMETERS and curve

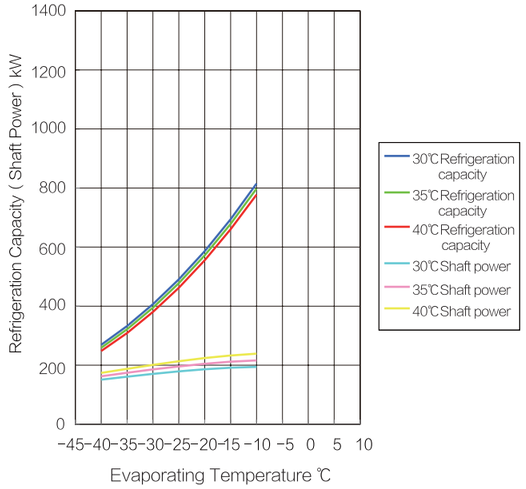
Tc \ Te	SNH20M-HA(R22)						SAH20M-HA(R22)					
	Without economizer						With economizer					
	Refrigeration capacity			Shaft power			Refrigeration capacity			Shaft power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	188.5	175.2	161.2	130.9	139.4	148.0	269.3	259.4	248.0	151.2	162.5	173.9
-35	241.7	225.8	209.1	139.7	149.9	160.3	332.8	322.0	309.3	161.2	174.4	187.9
-30	306.0	287.2	267.4	147.4	159.2	171.3	406.3	394.4	380.5	170.7	185.8	201.3
-25	383.3	361.1	337.7	154.1	167.3	181.0	490.6	477.6	462.3	179.3	196.1	213.6
-20	475.2	449.2	421.7	159.7	174.2	189.4	586.3	572.2	555.5	186.4	205.0	224.4
-15	583.6	553.2	521.0	164.3	180.0	196.5	694.2	678.7	660.4	191.7	211.9	233.1
-10	710.5	675.0	637.4	167.9	184.6	202.3	815.3	798.0	777.6	194.6	216.4	239.4
-5	858.1	816.6	772.8	170.4	188.1	206.8						
0	1028.7	980.1	929.1	172.0	190.3	210.0						
5	1222.4	1167.7	1108.2	172.4	191.5	212.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

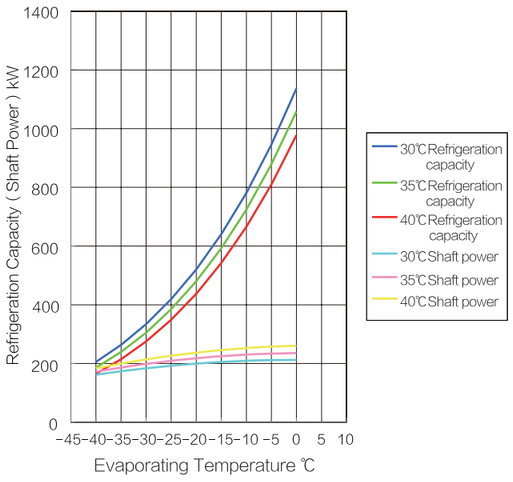


20M series single stage compressor package performance PARAMETERS and curve

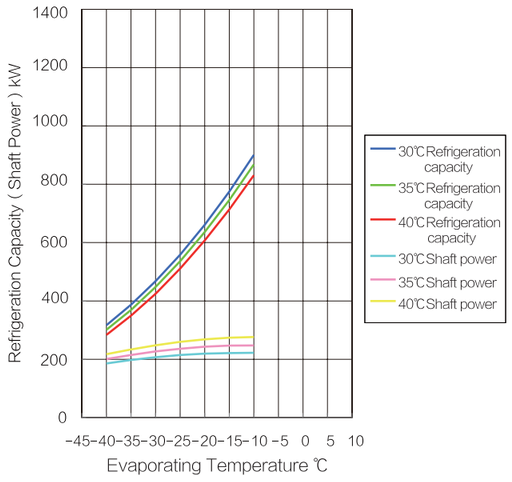
Tc \ Te	SNP20M-HA(R507A)						SAP20M-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	205.7	185.7	165.2	161.9	172.6	183.6	317.0	301.3	283.4	185.7	200.9	217.6
-35	263.3	239.3	214.4	173.6	186.4	199.6	386.9	369.2	349.3	197.3	214.8	233.7
-30	333.8	305.1	275.2	183.9	198.6	213.9	467.6	447.6	424.7	207.0	226.7	247.8
-25	418.9	384.7	349.0	192.6	209.1	226.3	558.7	536.1	511.0	214.5	236.3	259.4
-20	520.4	479.8	437.5	199.8	218.0	237.0	660.9	636.1	607.4	219.3	243.1	268.3
-15	640.4	592.4	542.5	205.4	225.1	245.8	774.8	745.9	713.4	221.2	246.9	274.0
-10	781.1	724.6	665.9	209.4	230.5	252.6	900.6	867.8	831.1	222.3	247.3	276.2
-5	945.5	879.0	810.2	211.7	234.0	257.5						
0	1136.9	1058.6	978.2	212.3	235.6	260.4						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

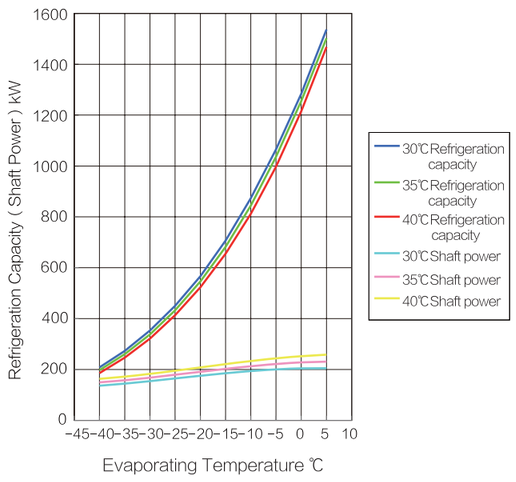


20L series single stage compressor package performance PARAMETERS and curve

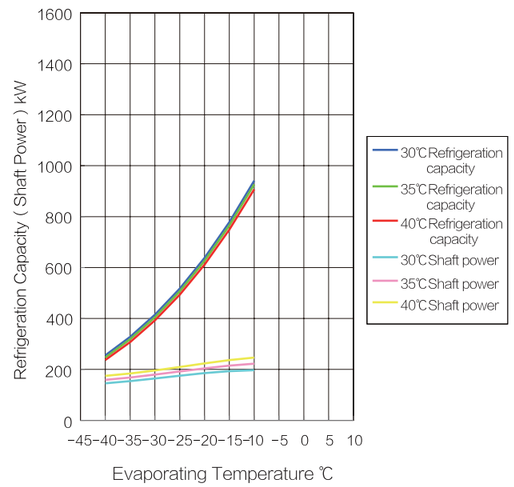
Tc \ Te	SNA20L-HA(R717)						SAA20L-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	208.4	197.5	185.9	136.6	149.3	162.9	255.2	246.3	236.5	145.0	158.9	174.9
-35	273.3	260.4	246.8	144.6	157.7	171.8	327.8	318.3	307.4	153.7	168.0	183.8
-30	353.0	337.9	321.7	154.2	168.0	182.8	414.6	404.4	392.4	164.3	179.6	195.9
-25	449.8	432.2	413.1	164.6	179.3	195.1	517.3	506.3	493.1	175.3	192.1	209.5
-20	566.6	546.0	523.3	175.1	191.0	208.1	637.8	625.9	611.3	185.4	204.3	223.4
-15	706.5	682.2	655.2	185.1	202.5	221.1	778.1	765.2	748.6	193.0	214.7	236.1
-10	873.1	844.2	811.8	193.8	212.9	233.3	940.8	926.1	907.1	196.9	222.0	246.3
-5	1064.9	1036.0	996.9	200.4	221.5	244.0						
0	1283.7	1254.9	1214.4	204.3	227.7	252.5						
5	1537.0	1502.7	1468.0	204.8	230.7	258.2						

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

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



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

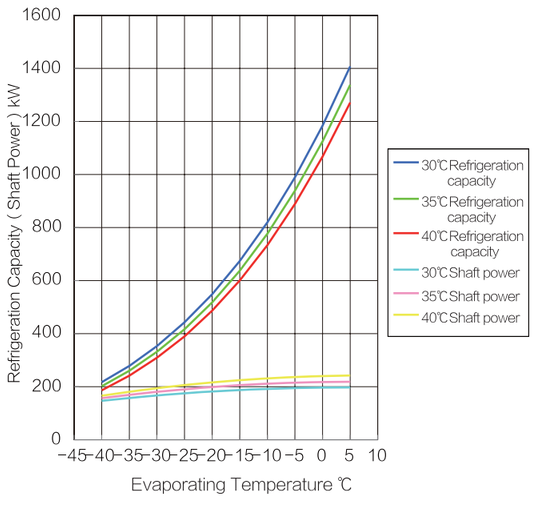


20L series single stage compressor package performance PARAMETERS and curve

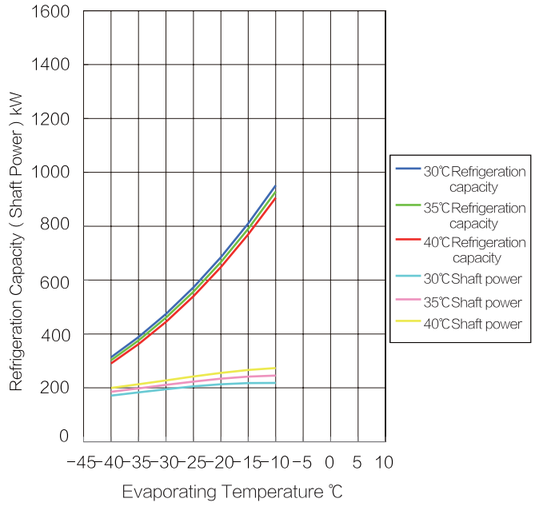
Tc / Te	SNH20L-HA(R22)						SAH20L-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	217.0	202.0	186.5	146.8	156.5	166.2	313.5	302.6	290.5	171.4	185.3	199.8
-35	278.5	260.4	241.7	157.6	169.4	181.2	388.1	375.7	361.9	183.2	197.9	213.1
-30	353.1	331.3	308.9	167.2	180.7	194.6	474.2	460.2	444.8	194.9	210.9	227.5
-25	442.6	416.5	389.8	175.4	190.6	206.3	572.8	557.1	539.9	205.3	223.3	241.9
-20	548.8	517.8	486.4	182.3	199.0	216.3	684.7	667.0	648.1	213.4	233.9	255.1
-15	673.9	637.3	600.4	187.9	205.9	224.8	810.5	790.6	769.6	217.8	241.5	266.0
-10	820.0	776.9	733.9	192.1	211.3	231.6	951.1	928.5	905.2	218.3	245.2	273.5
-5	989.3	938.8	888.8	195.1	215.2	236.7						
0	1184.3	1125.1	1067.2	196.7	217.7	240.2						
5	1407.3	1338.1	1271.1	197.0	218.7	242.1						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

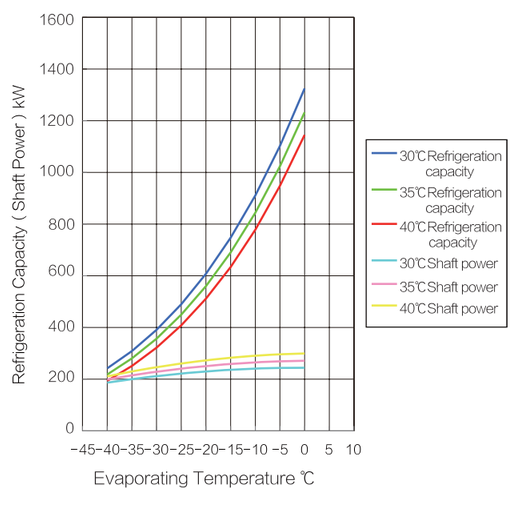


20L series single stage compressor package performance PARAMETERS and curve

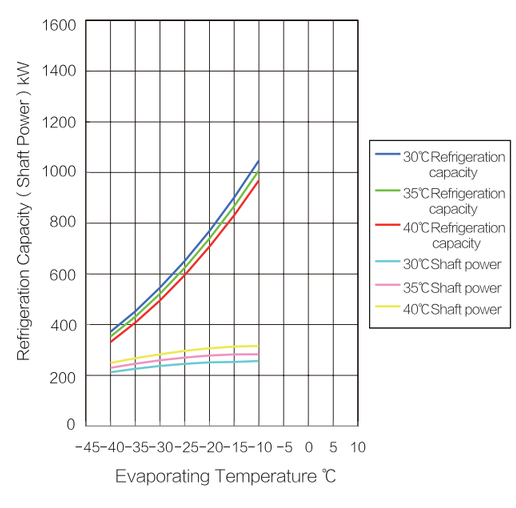
Tc / Te	SNP20L-HA(R507A)						SAP20L-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	241.7	218.0	193.6	186.1	198.5	211.1	371.5	352.6	331.2	212.3	229.8	248.8
-35	308.7	280.2	251.0	199.6	214.3	229.5	452.4	431.2	407.7	225.6	245.6	267.2
-30	390.7	356.6	321.8	211.4	228.4	245.9	545.9	521.8	495.2	236.8	259.2	283.2
-25	489.7	449.1	407.9	221.5	240.5	260.2	651.3	624.1	595.5	245.3	270.1	296.5
-20	607.7	559.5	511.2	229.7	250.6	272.5	769.7	739.8	707.7	250.9	278.0	306.7
-15	747.2	690.3	633.9	236.2	258.8	282.6	901.5	866.8	831.3	253.0	282.4	313.3
-10	910.9	844.0	778.4	240.7	265.0	290.5	1047.4	1008.1	968.9	256.3	282.8	315.9
-5	1102.1	1023.6	947.8	243.4	269.0	296.1						
0	1325.0	1232.8	1145.3	244.0	270.9	299.5						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

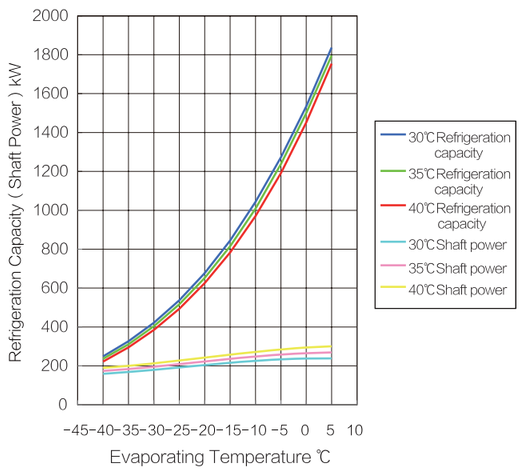


20LL series single stage compressor package performance PARAMETERS and curve

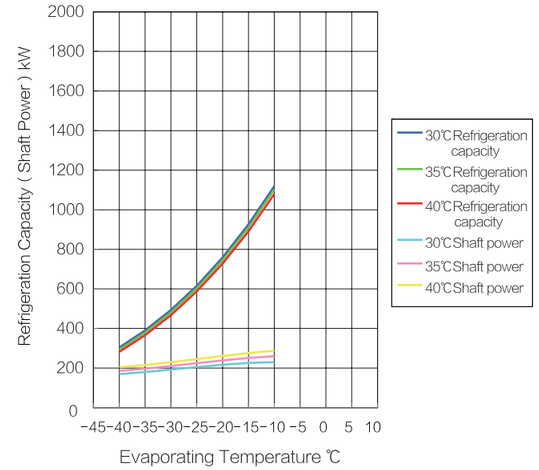
Tc \ Te	SNA20LL-HA(R717)						SAA20LL-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	249.0	236.0	222.2	159.1	173.9	189.8	303.7	293.1	281.4	169.7	185.9	204.6
-35	326.6	311.2	294.9	168.5	183.7	200.1	390.1	378.8	365.8	179.8	196.6	215.0
-30	421.8	403.8	384.4	179.6	195.7	213.0	493.4	481.2	467.0	192.2	210.1	229.2
-25	537.5	516.5	493.7	191.8	208.9	227.3	615.6	602.5	586.8	205.1	224.8	245.1
-20	677.1	652.5	625.3	204.0	222.5	242.4	759.0	744.8	727.4	216.9	239.0	261.4
-15	844.3	815.2	783.0	215.6	235.9	257.6	925.9	910.6	890.8	225.8	251.2	276.2
-10	1043.4	1008.8	970.1	225.8	248.0	271.8	1119.6	1102.1	1079.4	230.4	259.7	288.2
-5	1272.6	1238.0	1191.3	233.5	258.0	284.3						
0	1534.0	1499.6	1451.2	238.0	265.3	294.2						
5	1836.7	1795.7	1754.3	238.6	268.8	300.8						

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℃)

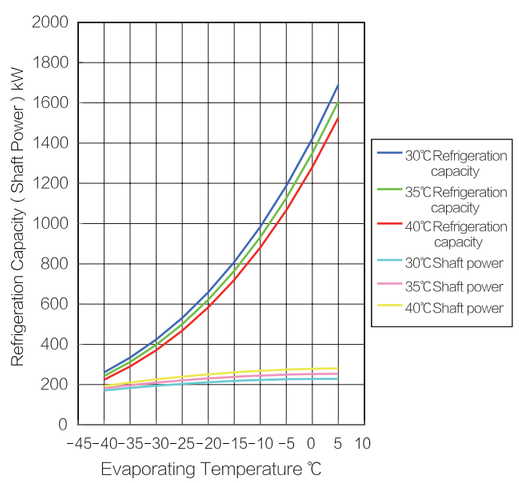


20LL series single stage compressor package performance PARAMETERS and curve

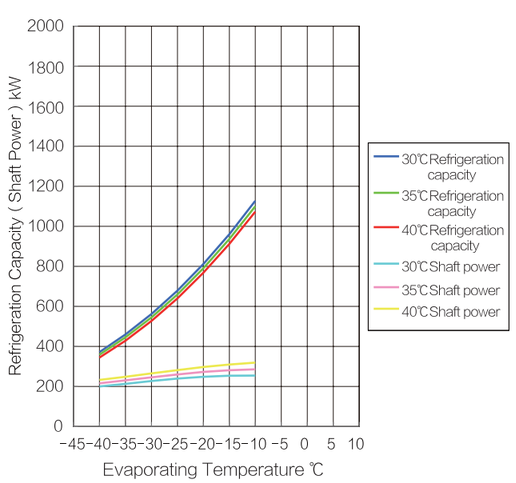
Tc \ Te	SNH20LL-HA(R22)						SAH20LL-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	260.4	242.4	223.8	170.3	181.5	192.8	371.5	358.6	344.2	199.7	215.9	232.8
-35	334.2	312.5	290.0	182.8	196.5	210.2	459.9	445.2	428.9	213.4	230.6	248.3
-30	423.7	397.6	370.7	194.0	209.6	225.7	561.9	545.3	527.1	227.1	245.7	265.0
-25	531.1	499.8	467.8	203.5	221.1	239.3	678.8	660.2	639.8	239.2	260.1	281.8
-20	658.6	621.4	583.7	211.5	230.8	250.9	811.4	790.4	768.0	248.6	272.5	297.2
-15	808.7	764.8	720.5	218.0	238.8	260.8	960.4	936.9	912.0	253.7	281.3	309.9
-10	984.0	932.3	880.7	222.8	245.1	268.7	1127.1	1100.3	1072.7	254.3	285.7	318.6
-5	1187.2	1126.6	1066.6	226.3	249.6	274.6						
0	1421.2	1350.1	1280.6	228.2	252.5	278.6						
5	1688.8	1605.7	1525.3	228.5	253.7	280.8						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

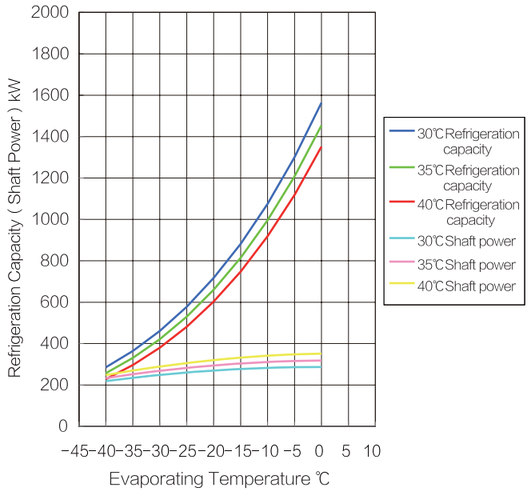


20LL series single stage compressor package performance PARAMETERS and curve

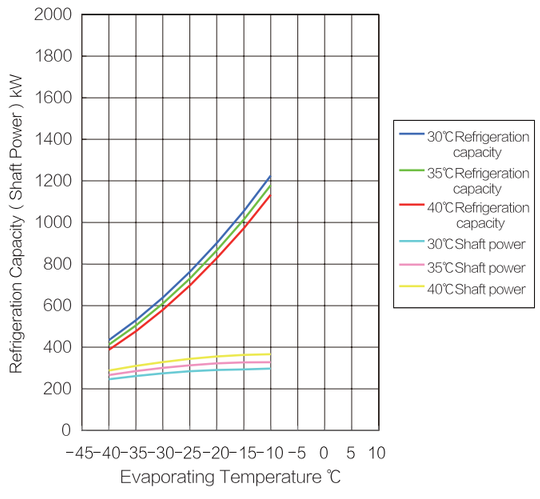
Tc / Te	SNP20LL-HA(R507A) Without Economizer						SAP20LL-HA(R507A) With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	285.2	257.2	228.4	218.7	233.2	248.0	434.7	412.5	387.5	246.3	266.6	288.6
-35	364.3	330.6	296.2	234.5	251.8	269.7	529.3	504.5	477.0	261.7	284.9	310.0
-30	461.0	420.8	379.7	248.4	268.4	288.9	638.7	610.5	579.4	274.7	300.7	328.5
-25	577.8	529.9	481.3	260.3	282.6	305.7	762.0	730.2	696.7	284.5	313.3	343.9
-20	717.1	660.2	603.2	269.9	294.5	320.2	900.5	865.6	828.0	291.0	322.5	355.8
-15	881.7	814.6	748.0	277.5	304.1	332.1	1054.8	1014.2	972.6	293.5	327.6	363.4
-10	1074.9	995.9	918.5	282.8	311.4	341.3	1225.5	1179.5	1133.6	297.3	328.0	366.4
-5	1300.5	1207.8	1118.4	286.0	316.1	347.9						
0	1563.5	1454.7	1351.5	286.7	318.3	351.9						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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: 0/35/40℃)



26 series single stage compressor package PARAMETERS

Item			Unit	26 Series											
Compressor	Model			SRM-26S			SRM-26M			SRM-26L			SRM-26LL		
	Theoretical Displacement		m^3/h	1665			2081			2482			2944		
	Capacity Control Range			Step-Less Capacity Control: 10~100%											
Refrigerant	Type			R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	R717	R22	R507A
Refrigeration Capacity	High temperature working condition		kW	1970	1720	-	2463	2166	-	2932	2596	-	3504	3115	-
	Medium temperature working condition		kW	890	820	911	1110	1029	1143	1326	1235	1369	1585	1482	1633
	Low temperature working condition(ECO)		kW	424	484	570	533	626	713.9	644	745	862	768	893	1070
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			SUNISO4GS/3GS/SL-68S											
	Standard			GB/T16630《 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			DN125			DN125			DN150		
		Low temperature	mm	DN80			DN100			DN100			DN125		
	Economizer liquid in/out pipe		mm	DN50			DN50			DN50			DN50		
	Safety valve pipe		mm	2×DN32			2×DN32			2×DN32			2×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
		Working medium consumption amount	kg/h	903	4275	3056	903	4275	3056	903	4275	3056	903	4275	3056
	Cooling method: Water cooled	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	m^3/h	50	50	40	50	50	40	50	50	40	50	50	40
Overall Dimension	High temperature	L×W×H	mm	4400×2150×3100			4400×2150×3100			4400×2150×3100			4400×2150×3100		
	Low temperature	L×W×H	mm	4400×2150×3100			4400×2150×3100			4400×2150×3100			4400×2150×3100		
Package Weight	Net Weight		kg	9000			9500			10000			10500		
	Operation Weight		kg	10000			10500			11000			11500		

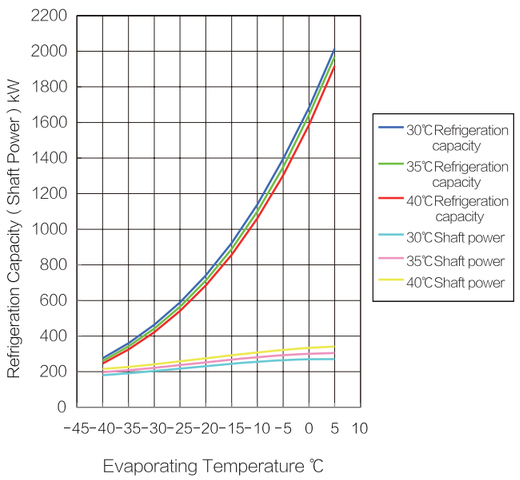
Note: 1. Motor power equipped for package shall be selected according to shaft power under actual running conditions, shaft power parameters shall be obtained according to compressor selection software.
2. Due to the differences of package real working conditions, the overall dimension and weight of 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

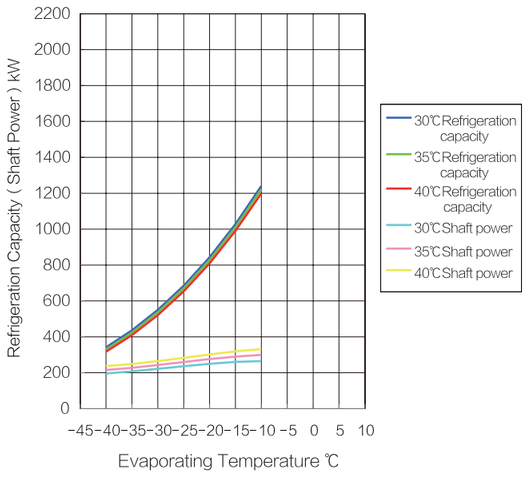
Tc / Te	SNA26S-HA(R717)						SAA26S-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	275.5	260.4	245.7	180.3	197.2	215.2	341.7	329.1	316.8	196.0	215.1	236.8
-35	359.7	342.0	324.7	190.9	208.3	226.9	436.9	423.2	409.7	207.8	227.3	248.8
-30	463.1	442.4	422.1	203.6	221.9	241.4	550.7	535.9	521.4	221.9	242.7	265.0
-25	588.9	564.7	540.9	217.4	236.8	257.7	685.4	669.6	653.8	236.7	259.6	283.2
-20	740.6	712.4	684.6	231.4	252.3	274.9	843.5	826.5	809.5	250.1	275.9	301.8
-15	922.4	889.3	856.6	244.5	267.4	292.0	1027.8	1009.3	990.6	260.3	289.8	318.8
-10	1138.8	1099.8	1061.1	256.0	281.2	308.2	1241.2	1220.6	1199.7	265.4	299.4	332.3
-5	1395.2	1348.8	1302.5	264.8	292.6	322.3						
0	1682.9	1641.9	1586.0	269.9	300.7	333.6						
5	2014.9	1969.9	1917.4	270.6	304.7	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℃)

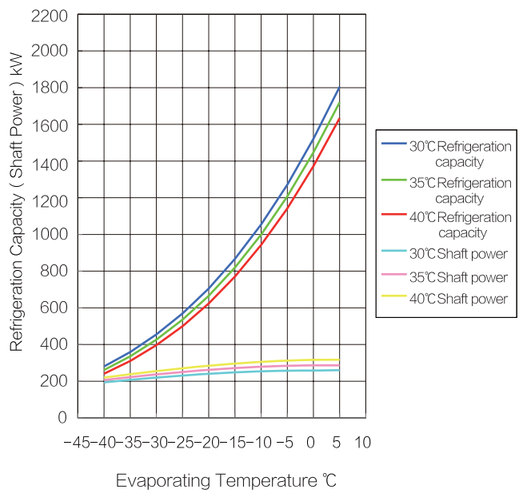


26S series single stage compressor package performance PARAMETERS and curve

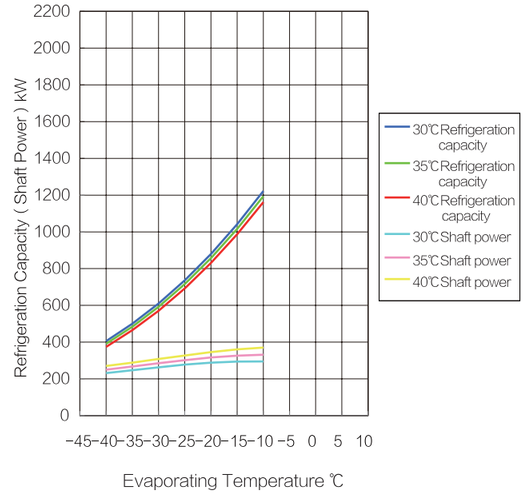
Tc / Te	SNH26S-HA(R22)						SAH26S-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	280.4	261.1	240.5	193.1	206.4	219.7	405.2	391.2	374.4	231.3	250.2	270.1
-35	358.9	335.5	310.5	206.8	222.2	237.9	500.0	484.0	464.9	247.3	267.2	288.3
-30	454.3	426.1	396.2	219.4	236.9	254.9	609.9	591.8	570.3	263.2	284.9	307.9
-25	568.9	535.3	499.7	230.6	250.1	270.4	736.1	715.8	692.0	277.3	301.7	327.5
-20	705.3	665.5	623.6	240.2	261.7	284.1	879.7	857.0	830.6	288.2	316.1	345.4
-15	866.1	819.3	770.3	248.0	271.3	295.8	1041.4	1016.1	987.1	294.3	326.5	360.3
-10	1053.9	999.2	942.4	253.6	278.7	305.2	1222.1	1193.9	1162.1	295.3	331.4	370.4
-5	1271.3	1207.7	1142.1	256.8	283.6	312.1						
0	1520.7	1447.1	1372.0	257.5	285.9	316.2						
5	1804.4	1719.6	1633.9	259.6	286.5	317.2						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

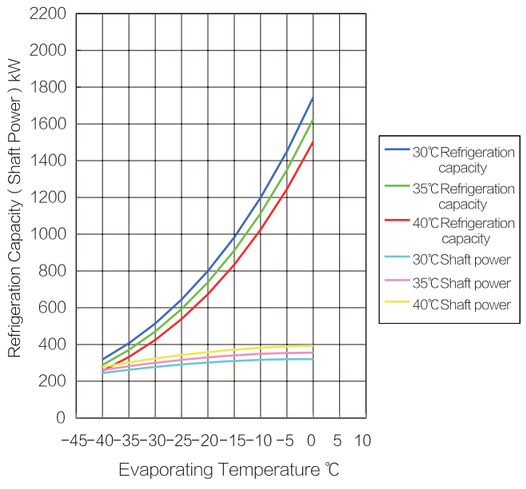


26S series single stage compressor package performance PARAMETERS and curve

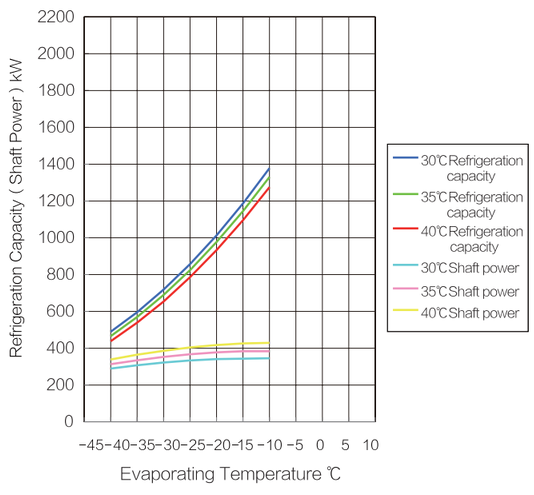
Tc / Te	SNP26S-HA(R507A)						SAP26S-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	318.2	288.0	255.8	244.8	261.0	277.6	489.3	465.9	437.7	288.8	312.7	338.8
-35	406.4	370.1	331.4	262.4	281.7	301.7	595.6	569.5	538.5	307.0	334.5	364.2
-30	514.2	470.9	424.7	277.8	300.1	323.2	718.5	689.1	653.8	322.0	352.9	386.0
-25	644.4	592.9	538.0	291.1	316.1	342.1	857.2	824.1	785.6	333.3	367.4	403.9
-20	799.6	738.6	673.8	302.1	329.6	358.3	1013.0	976.8	933.0	340.5	377.7	417.3
-15	983.1	911.0	834.8	310.6	340.5	371.6	1186.5	1144.2	1095.0	343.1	383.2	425.9
-10	1198.7	1113.4	1024.1	316.6	348.6	382.0	1378.6	1330.2	1274.9	345.2	383.5	429.0
-5	1450.6	1349.9	1245.4	320.0	353.8	389.3						
0	1744.3	1625.2	1502.9	320.5	356.0	393.3						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

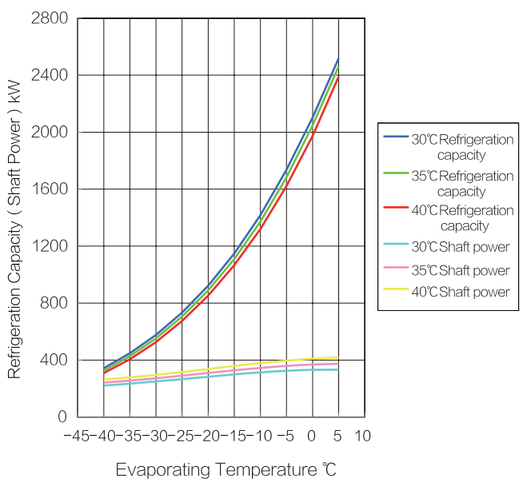


26M series single stage compressor package performance PARAMETERS and curve

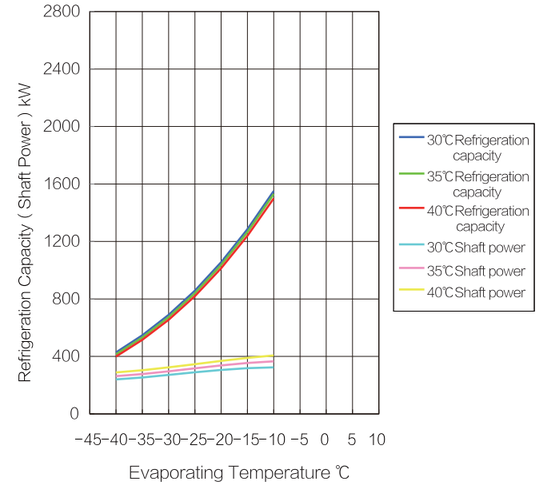
Tc / Te	SNA26M-HA(R717)						SAA26M-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	343.2	326.2	308.3	221.3	242.0	264.1	427.6	414.3	399.4	239.4	262.6	289.0
-35	448.2	428.0	406.4	234.4	255.7	278.5	546.8	532.2	515.3	253.8	277.5	303.8
-30	577.0	553.2	527.4	249.9	272.3	296.3	689.1	673.3	654.4	271.2	296.5	323.6
-25	733.6	705.6	674.9	266.9	290.7	316.4	857.5	840.4	819.4	289.3	317.2	346.1
-20	922.4	889.6	853.1	284.0	309.8	337.5	1055.0	1036.6	1013.2	305.8	337.2	368.9
-15	1148.4	1110.0	1066.7	300.2	328.3	358.5	1285.1	1265.2	1239.0	318.3	354.3	389.8
-10	1417.4	1372.4	1320.9	314.2	345.2	378.3	1551.3	1529.6	1499.8	324.5	366.1	406.3
-5	1736.0	1682.8	1621.4	325.0	359.2	395.8						
0	2103.6	2048.8	1975.1	331.4	369.3	409.6						
5	2518.6	2462.4	2389.8	332.2	374.2	418.8						

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℃)

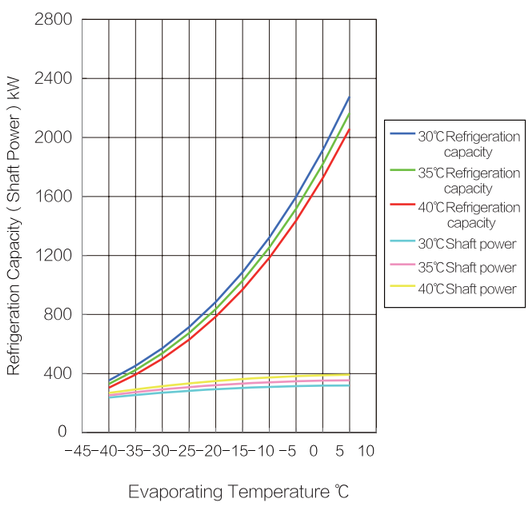


26M series single stage compressor package performance PARAMETERS and curve

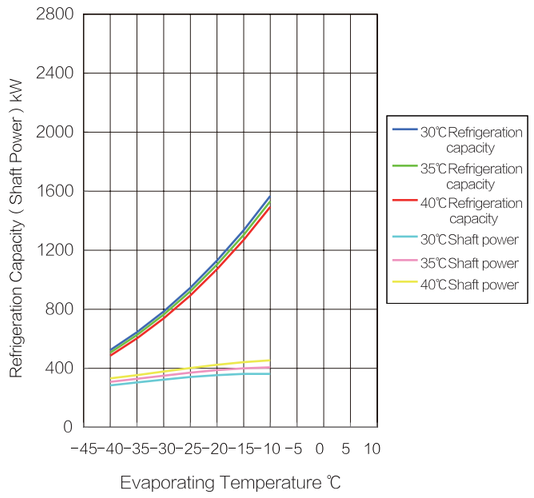
Tc / Te	SNH26M-HA(R22)						SAH26M-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	353.1	329.6	303.9	236.8	252.5	268.3	522.4	505.8	485.0	283.9	307.2	331.2
-35	451.9	423.4	392.4	254.6	273.4	292.6	644.1	625.3	601.8	303.5	328.0	353.5
-30	571.5	537.2	500.3	270.0	291.8	314.2	784.7	763.5	737.4	322.8	349.5	377.4
-25	714.9	673.9	630.2	283.3	307.6	333.0	946.0	921.9	893.1	340.1	369.9	401.1
-20	885.5	836.7	785.4	294.3	321.1	349.1	1129.2	1102.0	1070.3	353.5	387.3	422.8
-15	1086.8	1029.0	969.0	303.2	332.1	362.6	1335.6	1304.7	1269.9	361.2	400.0	440.9
-10	1322.4	1254.1	1184.4	310.0	340.8	373.5	1567.1	1531.7	1493.3	361.5	406.3	453.3
-5	1596.6	1516.0	1435.3	314.7	347.3	381.9						
0	1913.5	1818.6	1725.2	317.6	351.5	387.9						
5	2277.8	2166.0	2058.3	318.5	353.6	391.4						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

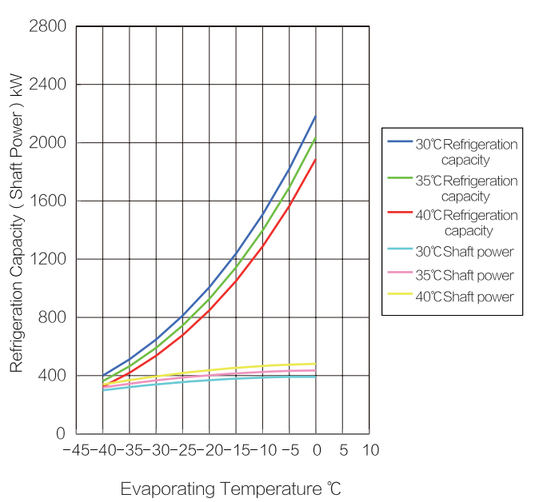


26M series single stage compressor package performance PARAMETERS and curve

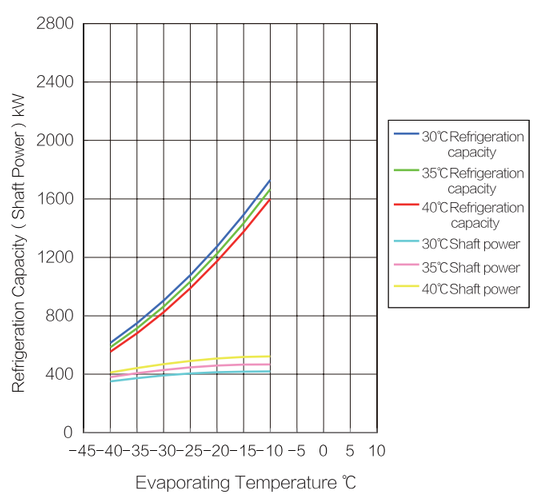
Tc / Te	SNP26M-HA(R507A)						SAP26M-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	400.4	361.4	324.2	298.9	318.8	339.0	614.7	583.7	554.0	351.6	380.6	412.4
-35	511.7	464.5	419.2	320.6	344.3	368.6	749.1	713.9	680.1	373.5	406.8	442.8
-30	647.8	591.1	536.2	339.5	366.8	394.9	904.1	863.8	824.2	391.7	429.1	469.2
-25	811.7	744.1	678.1	355.7	386.2	417.9	1078.5	1033.0	988.9	405.5	446.9	491.0
-20	1006.9	926.8	848.1	369.0	402.5	437.6	1273.9	1224.1	1172.9	414.4	459.5	507.4
-15	1236.9	1142.9	1049.7	379.3	415.7	453.8	1490.8	1433.6	1375.1	417.7	466.4	518.0
-10	1506.2	1396.5	1286.9	386.6	425.6	466.5	1730.2	1666.2	1600.0	419.3	467.0	522.0
-5	1820.0	1692.6	1564.4	390.9	432.1	475.6						
0	2184.6	2037.2	1887.8	391.9	435.2	481.0						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

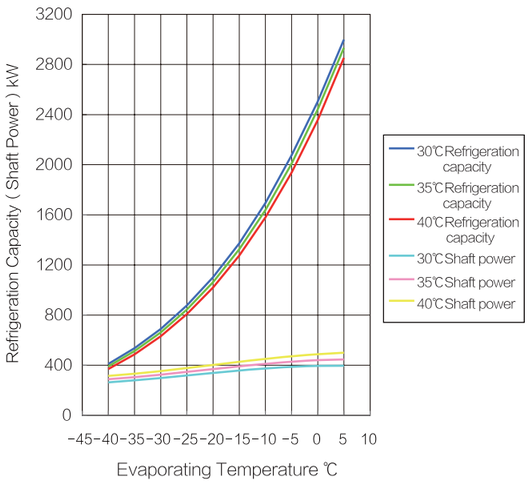


26L series single stage compressor package performance PARAMETERS and curve

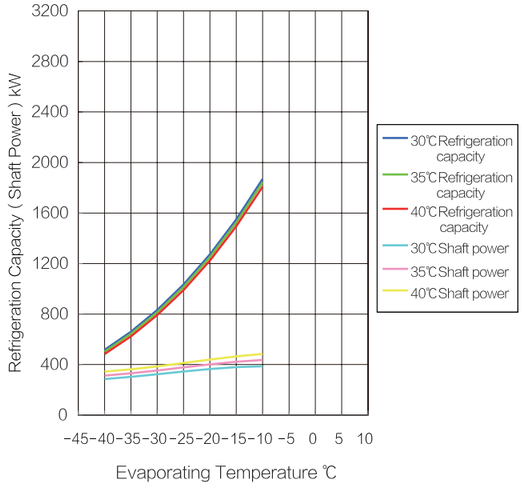
Tc \ Te	SNA26L-HA(R717)						SAA26L-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	410.8	391.3	369.8	264.2	288.9	315.3	516.6	501.7	483.9	285.5	313.1	344.7
-35	536.2	512.9	487.2	279.8	305.2	332.5	660.1	643.7	623.8	302.6	330.9	362.2
-30	690.0	662.3	631.8	298.3	325.0	353.7	831.6	813.5	791.5	323.4	353.5	385.8
-25	877.0	844.1	808.0	318.5	346.9	377.5	1034.4	1014.5	990.2	345.0	378.2	412.6
-20	1102.5	1063.4	1020.8	338.9	369.7	402.7	1272.3	1250.3	1223.5	364.7	402.0	439.8
-15	1372.5	1326.0	1275.6	358.2	391.8	427.8	1549.4	1524.7	1494.9	379.6	422.4	464.7
-10	1693.9	1638.3	1578.6	375.0	411.9	451.4	1870.2	1842.0	1808.5	387.1	436.5	484.5
-5	2074.9	2007.8	1936.8	387.9	428.6	472.2						
0	2504.8	2443.4	2358.2	395.5	440.6	488.7						
5	2998.9	2932.0	2852.4	396.4	446.5	499.7						

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℃)

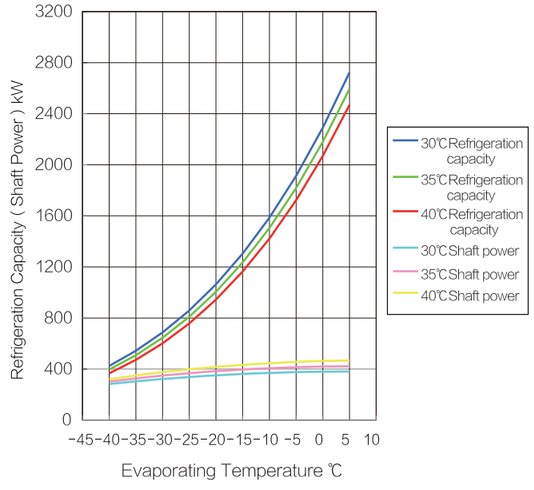


26L series single stage compressor package performance PARAMETERS and curve

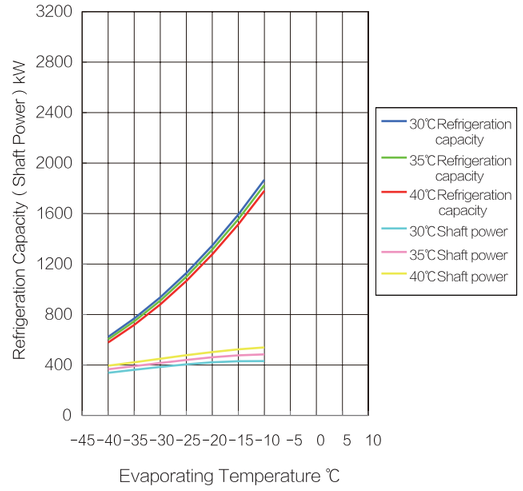
Tc \ Te	SNH26L-HA(R22)						SAH26L-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	424.0	395.6	365.2	282.4	301.2	320.0	622.5	602.3	578.0	338.2	365.9	394.2
-35	542.7	508.2	471.6	303.7	326.2	349.1	768.0	745.0	717.5	361.3	390.5	420.7
-30	686.3	644.9	601.0	322.2	348.1	374.8	935.9	909.9	879.3	384.1	415.9	449.0
-25	858.4	809.0	757.1	337.9	367.0	397.3	1128.3	1099.0	1065.1	404.6	440.0	477.1
-20	1062.9	1004.3	943.3	351.1	383.1	416.5	1346.6	1313.8	1276.4	420.6	460.6	502.9
-15	1303.8	1234.7	1163.5	361.7	396.2	432.6	1592.2	1555.4	1514.5	430.0	475.8	524.2
-10	1585.6	1504.5	1421.9	369.8	406.6	445.6	1867.3	1825.9	1781.0	430.9	483.4	539.0
-5	1912.8	1818.0	1722.6	375.5	414.3	455.6						
0	2290.4	2179.9	2070.2	378.9	419.3	462.7						
5	2723.7	2595.1	2469.3	380.0	421.8	467.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

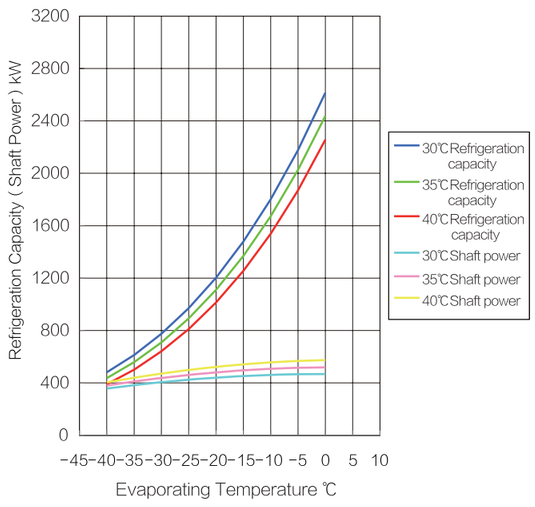


26L series single stage compressor package performance PARAMETERS and curve

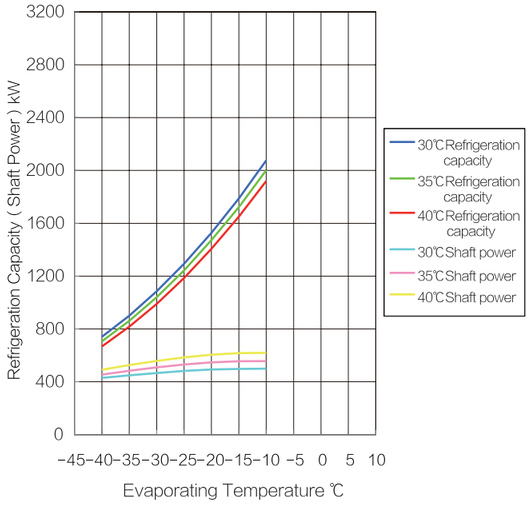
Tc / Te	SNP26L-HA(R507A)						SAP26L-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	481.0	435.8	389.0	356.7	380.3	404.5	741.1	706.5	667.3	429.5	455.2	490.9
-35	613.3	558.6	502.0	382.5	410.7	439.7	900.9	861.5	817.6	449.0	483.3	526.0
-30	775.2	709.5	641.4	405.1	437.6	471.1	1085.6	1040.5	989.6	467.1	508.9	557.7
-25	970.6	892.1	810.8	424.4	460.8	498.6	1293.9	1242.8	1186.5	482.1	530.7	584.5
-20	1203.6	1110.4	1013.9	440.3	480.3	522.1	1527.9	1471.6	1407.0	492.8	546.9	604.8
-15	1478.8	1368.7	1254.9	452.6	496.0	541.4	1788.3	1722.7	1649.5	497.4	556.1	617.1
-10	1801.5	1672.0	1538.6	461.4	507.8	556.6	2076.2	2001.7	1919.3	499.3	556.9	619.9
-5	2177.8	2026.1	1870.3	466.4	515.6	567.4						
0	2615.2	2437.7	2256.3	467.6	519.3	573.8						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
3. Tc—condensing temperature ℃, Te-evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

SNP26L-HA (R507A, Condensing Temperature: 30/35/40℃)



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

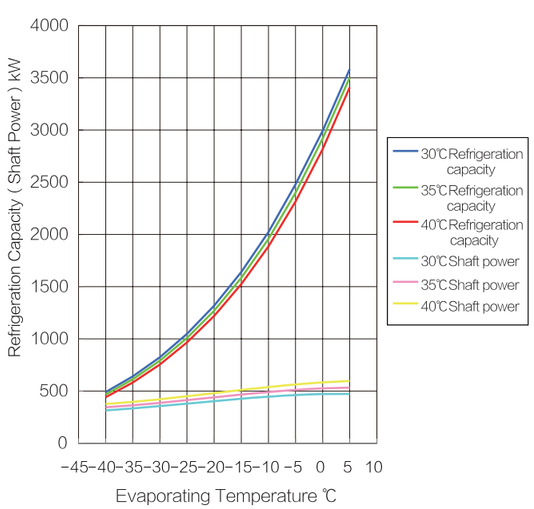


26LL series single stage compressor package performance PARAMETERS and curve

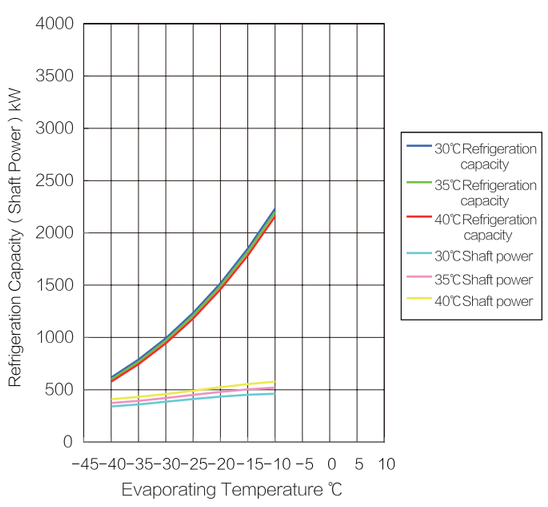
Tc / Te	SNA26LL-HA(R717)						SAA26LL-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	490.9	467.6	441.9	315.2	344.7	376.2	616.3	598.5	577.3	340.3	373.2	410.9
-35	640.8	612.9	582.2	333.8	364.1	396.7	787.5	767.9	744.2	360.7	394.4	431.7
-30	824.6	791.4	755.0	355.9	387.7	422.0	992.1	970.5	944.3	385.5	421.4	459.9
-25	1048.0	1008.7	965.6	380.0	413.9	450.4	1234.0	1210.3	1181.3	411.2	450.8	491.8
-20	1317.5	1270.8	1219.9	404.3	441.1	480.4	1517.9	1491.6	1459.6	434.7	479.2	524.2
-15	1640.1	1584.6	1524.3	427.3	467.4	510.4	1848.4	1819.0	1783.4	452.5	503.5	553.9
-10	2024.2	1957.8	1886.4	447.4	491.4	538.5	2231.1	2197.5	2157.5	461.4	520.3	577.5
-5	2479.5	2399.3	2314.5	462.8	511.3	563.3						
0	2993.2	2919.9	2818.0	471.8	525.6	583.0						
5	3583.7	3503.7	3408.6	472.9	532.7	596.1						

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℃)

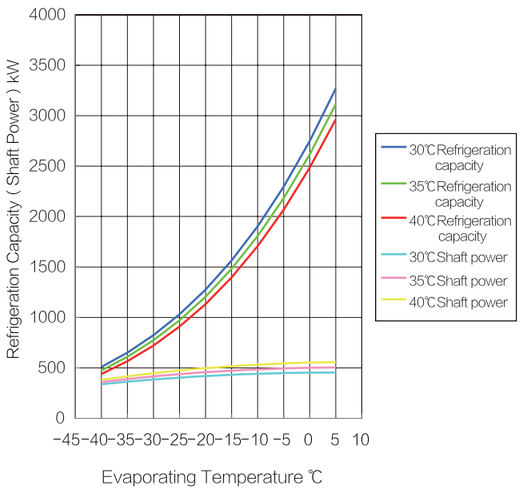


26LL series single stage compressor package performance PARAMETERS and curve

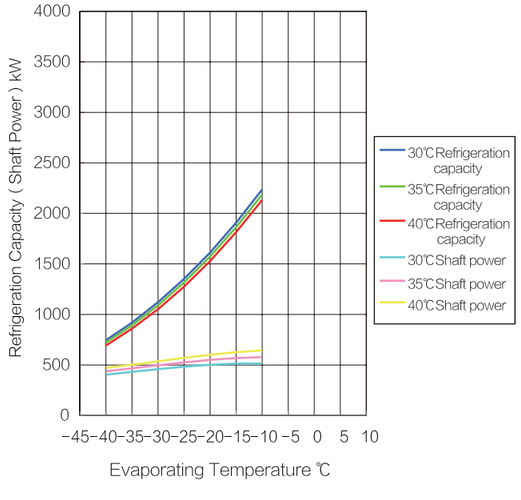
Tc / Te	SNH26LL-HA(R22)						SAH26LL-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	508.8	474.7	438.2	336.9	359.3	381.8	745.8	721.6	692.5	404.1	437.3	471.1
-35	651.2	609.8	565.9	362.3	389.2	416.5	920.1	892.5	859.6	431.8	466.6	502.7
-30	823.6	773.9	721.2	384.4	415.3	447.1	1121.2	1090.1	1053.4	459.0	497.0	536.6
-25	1030.1	970.8	908.5	403.1	437.8	474.0	1351.7	1316.6	1276.0	483.5	525.8	570.1
-20	1275.5	1205.2	1132.0	418.9	457.0	496.9	1613.3	1574.0	1529.2	502.6	550.4	601.0
-15	1564.6	1481.6	1396.2	431.5	472.7	516.1	1907.5	1863.4	1814.4	513.9	568.6	626.4
-10	1902.7	1805.4	1706.3	441.2	485.1	531.6	2237.1	2187.5	2133.7	514.9	577.7	644.1
-5	2295.4	2181.6	2067.1	448.0	494.3	543.5						
0	2748.5	2615.9	2484.2	452.0	500.2	552.0						
5	3268.4	3114.1	2963.2	453.3	503.2	557.1						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

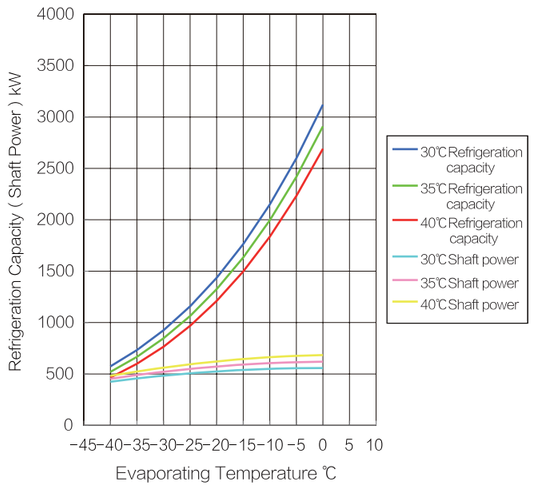


26LL series single stage compressor package performance PARAMETERS and curve

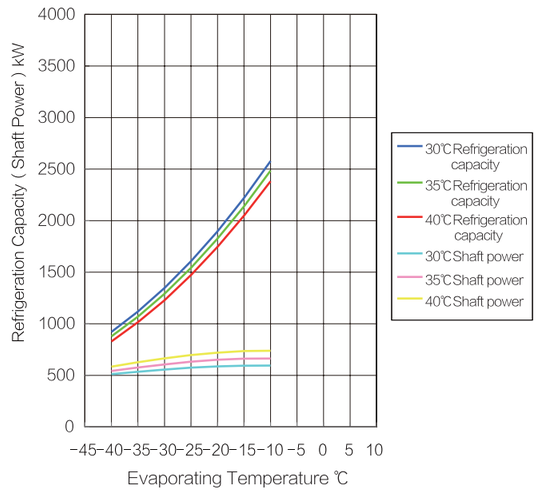
Tc / Te	SNP26LL-HA(R507A)						SAP26LL-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	573.8	519.9	464.1	425.2	453.3	482.2	919.9	877.0	828.3	511.5	542.1	584.7
-35	731.7	666.4	598.9	455.9	489.6	524.1	1118.3	1069.4	1014.9	534.8	575.6	626.5
-30	924.8	846.4	765.2	482.9	521.6	561.6	1347.6	1291.6	1228.4	556.3	606.1	664.2
-25	1157.9	1064.3	967.3	505.9	549.3	594.3	1606.1	1542.7	1472.8	574.2	632.1	696.1
-20	1435.9	1324.7	1209.6	524.8	572.5	622.3	1896.6	1826.7	1746.5	586.9	651.4	720.3
-15	1764.2	1632.9	1497.1	539.5	591.2	645.3	2219.9	2138.4	2047.6	592.4	662.3	735.0
-10	2149.2	1994.7	1835.5	550.0	605.3	663.5	2577.2	2484.8	2382.5	594.7	663.3	738.3
-5	2598.1	2417.1	2231.3	555.9	614.6	676.3						
0	3119.9	2908.2	2691.8	557.4	619.0	684.0						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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		
	Theoretical Displacement		m^3/h	3360			4280			5084			5938		
	Capacity Control Range			Step-Less Capacity Control: 10~100%											
Refrigerant	Type			R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	R717	R22	R507A
Refrigeration Capacity	High Temperature Working Condition		kW	3968	3578	-	5047	4550	-	6010	5364	-	7014	6258	-
	Medium Temperature Working Condition		kW	1810	1699	1851	2299	2187	2402	2746	2550	2817	3205	2975	3288
	Low Temperature Working Condition(Eco)		kW	863	1022	1164	1118	1303	1481	1308	1526	1731	1530	1761	2104
Motor	High Temperature Working Condition		kW	630	710	-	800	900	-	1000	1000	-	1120	1120	-
	Medium Temperature Working Condition		kW	560	630	800	710	800	1000	900	900	1120	1000	1120	1250
	Low Temperature Working Condition(Eco)		kW	500	630	800	630	800	900	800	900	1000	900	1000	1250
	Power Supply			High pressure power supply: 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			SUNISO4GS/3GS/SL-68S											
	Standard			Gb/t16630《Refrigeration Oil》											
	Charge Volume		kg	1900			1900			1900			1900		
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/out 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
		Working Medium Consumption Amount	kg/h	2188	10500	9733	2188	10500	9733	2188	10500	9733	2188	10500	9733
	Cooling Method: Water Cooled	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	m^3/h	120	120	50	120	120	50	120	120	50	120	120	50
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	5600×2350×4200			5600×2350×4200			5600×2350×4200			5600×2350×4200		
Package Weight	Net Weight		kg	14000			14500			15000			15500		
	Operation Weight		kg	15500			16000			16500			17000		

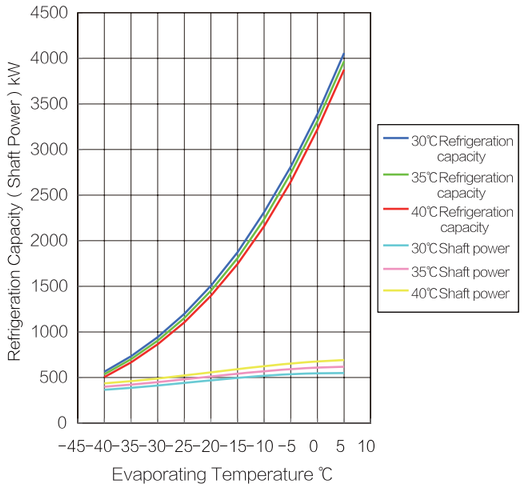
Note: 1. Motor power equipped for package shall be selected according to shaft power under actual running conditions, shaft power parameters shall be obtained according to compressor selection software.
2. Due to the differences of package real working conditions, the overall dimension and weight of 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

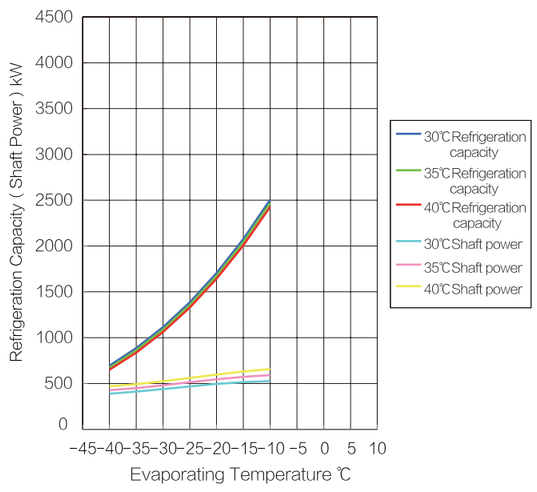
Tc \ Te	SNA34S-HA(R717) Without Economizer						SAA34S-HA(R717) With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	562.9	535.1	505.7	365.4	399.5	436.0	694.3	672.7	648.4	387.9	425.5	468.4
-35	733.6	700.7	666.2	387.0	422.1	459.8	886.2	862.7	836.3	411.0	449.6	492.2
-30	943.0	904.3	864.0	412.6	449.5	489.2	1115.4	1089.9	1061.6	439.0	480.1	524.1
-25	1197.7	1152.1	1105.0	440.5	479.9	522.3	1386.7	1359.1	1328.6	468.1	513.3	560.2
-20	1505.0	1451.1	1396.0	468.8	511.3	557.1	1705.4	1674.9	1642.1	494.6	545.5	596.9
-15	1873.4	1809.2	1744.4	495.5	541.9	591.8	2077.0	2042.7	2006.8	514.7	572.9	630.3
-10	2312.4	2235.2	2158.4	518.7	569.7	624.4	2507.8	2468.0	2427.9	524.7	591.8	656.9
-5	2811.9	2739.3	2647.3	536.5	592.9	653.1						
0	3389.7	3313.7	3221.8	547.0	609.4	676.0						
5	4058.5	3967.9	3876.4	548.3	617.5	691.1						

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℃)

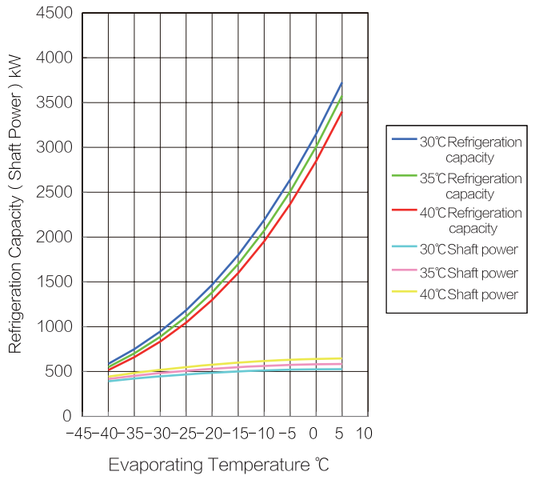


34S series single stage compressor package performance PARAMETERS and curve

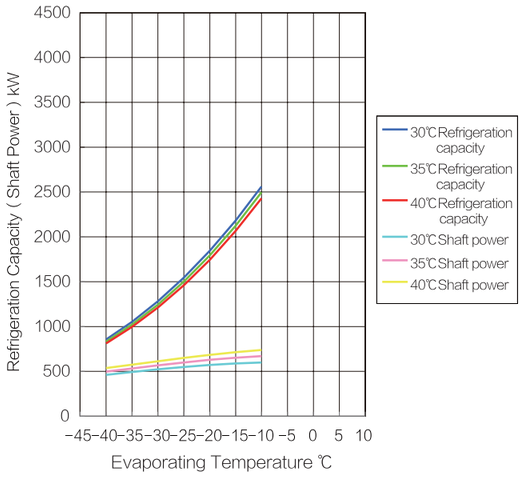
Tc / Te	SNH34S-HA(R22)						SAH34S-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	585.7	549.0	516.0	390.7	416.7	442.7	854.1	830.0	811.1	460.9	496.7	536.1
-35	748.3	701.7	659.1	420.1	451.3	483.0	1051.7	1021.4	995.8	492.5	532.3	574.6
-30	945.7	887.7	833.6	445.7	481.6	518.6	1280.9	1244.0	1211.1	522.5	567.1	613.1
-25	1183.2	1112.2	1044.7	467.5	507.8	549.6	1544.5	1500.6	1459.6	549.5	599.7	650.1
-20	1466.1	1380.6	1297.7	485.7	530.0	576.2	1844.7	1793.7	1744.0	572.1	628.6	684.2
-15	1799.8	1698.7	1598.5	500.4	548.2	598.5	2183.0	2125.3	2066.4	588.8	652.4	713.9
-10	2189.8	2072.2	1953.0	511.6	562.5	616.5	2561.6	2497.8	2429.5	598.2	669.7	737.9
-5	2641.4	2507.0	2367.3	519.5	573.2	630.3						
0	3149.5	3008.7	2847.6	524.1	580.1	640.1						
5	3726.6	3577.4	3400.0	525.7	583.6	646.0						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

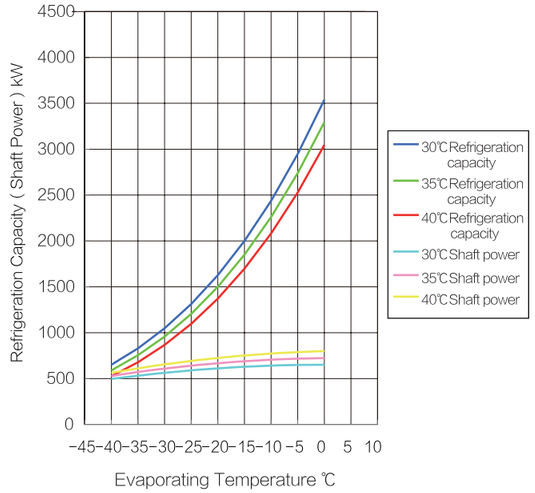


34S series single stage compressor package performance PARAMETERS and curve

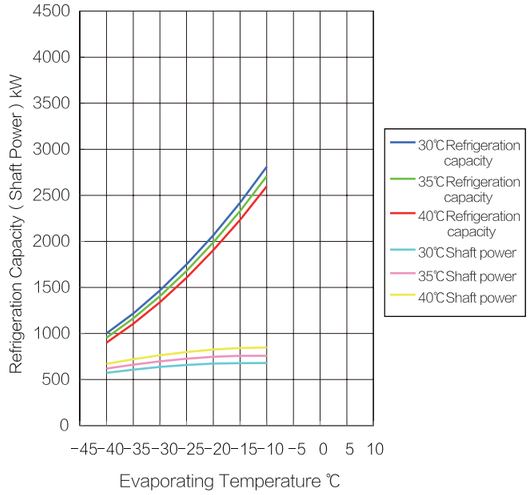
Tc / Te	SNP34S-HA(R507A)						SAP34S-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	650.1	588.0	525.2	495.4	528.5	562.0	1002.3	953.9	901.4	571.9	619.2	671.0
-35	828.5	753.9	678.2	531.9	571.2	611.5	1217.8	1163.4	1105.1	607.6	662.0	720.9
-30	1047.2	957.9	867.0	563.4	608.6	655.2	1467.3	1405.6	1338.4	637.1	698.2	763.9
-25	1311.5	1205.0	1096.5	590.0	640.6	693.2	1749.4	1679.6	1605.6	659.3	726.8	799.0
-20	1626.9	1500.6	1371.8	611.8	667.4	725.5	2066.5	1989.8	1904.7	673.4	747.0	825.4
-15	1999.8	1850.4	1698.2	628.8	689.0	752.2	2419.7	2330.1	2233.4	678.5	757.8	842.1
-10	2437.1	2260.8	2081.6	640.9	705.4	773.3	2810.2	2707.9	2598.1	678.8	758.4	848.3
-5	2946.8	2739.1	2528.6	648.4	716.6	788.9						
0	3538.3	3293.6	3046.8	651.1	722.8	799.0						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

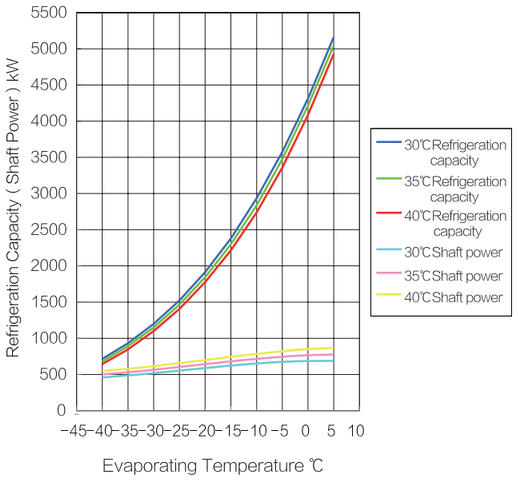


34M series single stage compressor package performance PARAMETERS and curve

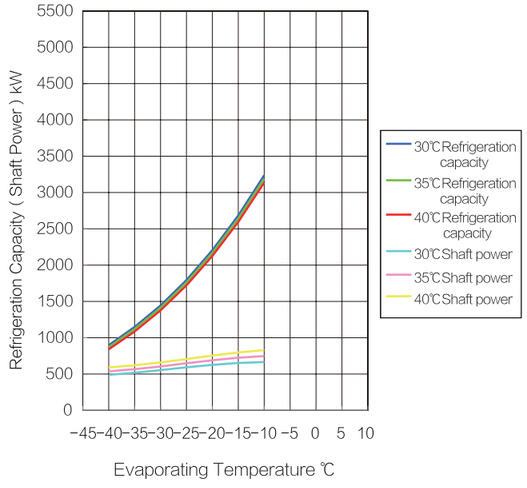
Tc \ Te	SNA34M-HA(R717)						SAA34M-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	714.6	679.5	642.5	459.0	501.9	547.7	897.8	870.6	839.9	488.7	536.5	590.6
-35	932.5	891.2	847.6	486.0	530.2	577.6	1147.0	1117.6	1084.3	517.8	566.3	620.0
-30	1199.2	1150.7	1099.6	518.3	564.7	614.5	1443.9	1412.2	1376.3	553.8	605.0	660.3
-25	1522.8	1465.8	1406.0	553.4	602.9	656.0	1794.4	1760.2	1721.6	591.7	647.6	706.6
-20	1912.5	1845.2	1775.1	588.9	642.4	699.8	2205.2	2167.6	2125.7	626.2	688.8	753.5
-15	2379.0	2298.8	2216.1	622.5	680.8	743.4	2683.4	2641.2	2595.0	652.3	723.7	796.1
-10	2934.8	2838.2	2739.8	651.6	715.8	784.5	3237.6	3188.6	3136.2	664.9	747.0	829.1
-5	3576.2	3477.0	3358.3	674.0	744.9	820.6						
0	4311.1	4214.4	4086.3	687.2	765.7	849.3						
5	5161.7	5046.5	4930.1	688.8	775.8	868.3						

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℃)

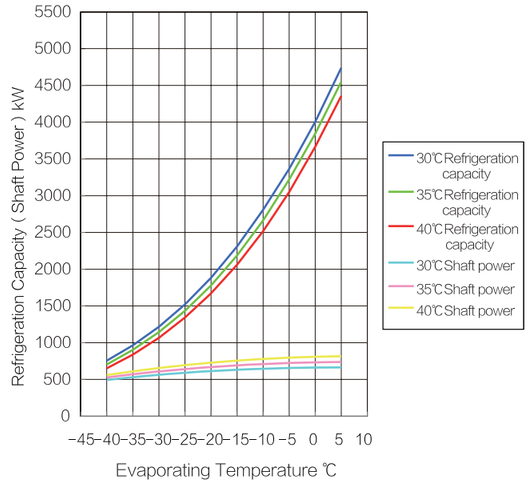


34M series single stage compressor package performance PARAMETERS and curve

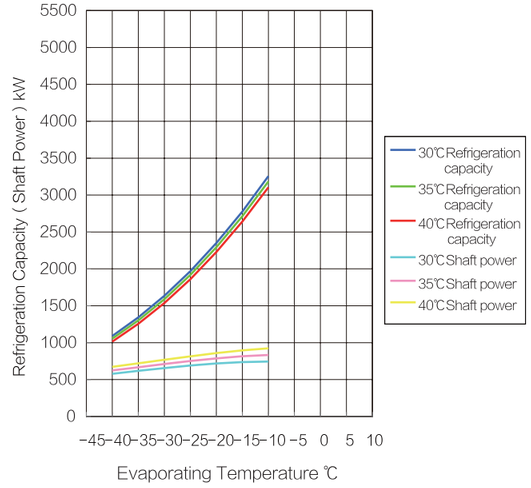
Tc \ Te	SNH34M-HA(R22)						SAH34M-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	754.1	703.6	650.5	493.3	526.2	559.0	1090.3	1054.7	1013.5	578.4	624.3	673.2
-35	963.7	902.6	838.5	530.5	569.8	609.8	1343.1	1302.9	1256.1	617.8	667.6	719.8
-30	1217.2	1144.0	1067.3	562.8	608.1	654.8	1634.9	1589.6	1537.5	656.1	711.1	768.0
-25	1521.1	1433.9	1342.9	590.4	641.2	694.0	1969.2	1918.5	1860.5	690.5	752.0	815.1
-20	1882.3	1779.0	1671.8	613.3	669.2	727.6	2348.9	2292.1	2227.9	718.4	787.9	858.4
-15	2308.4	2186.5	2060.8	631.8	692.1	755.6	2776.8	2712.9	2642.1	737.0	815.9	895.3
-10	2807.5	2664.1	2517.5	646.0	710.3	778.4	3257.0	3184.6	3105.9	743.9	833.5	923.2
-5	3365.4	3220.0	3049.6	655.9	723.7	795.9						
0	4005.6	3843.0	3665.5	661.8	732.5	808.3						
5	4739.6	4549.9	4356.6	663.7	736.8	815.7						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

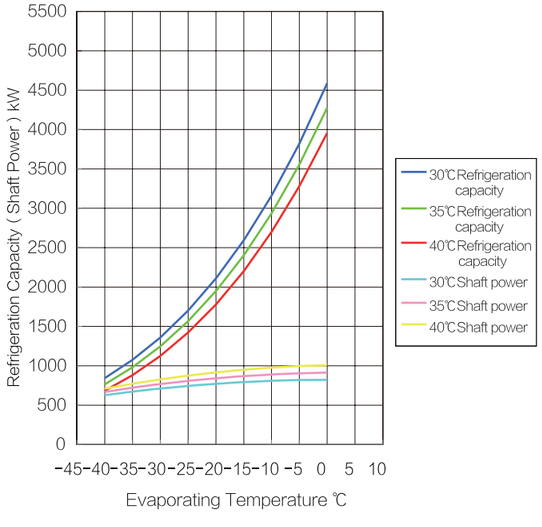


34M series single stage compressor package performance PARAMETERS and curve

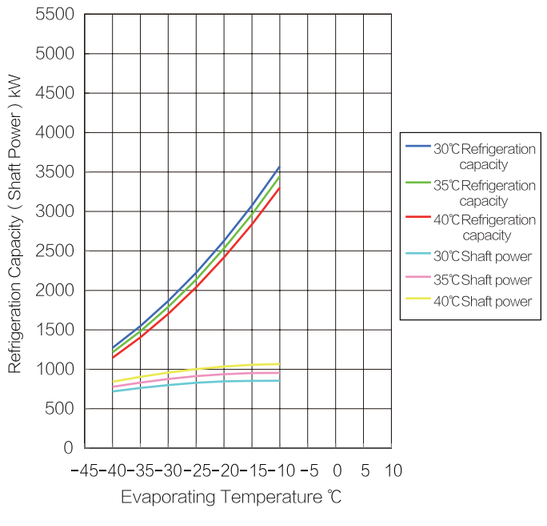
Tc / Te	SNP34M-HA(R507A)						SAP34M-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	843.0	765.0	682.7	625.6	667.3	709.7	1272.0	1213.8	1145.4	718.4	777.8	842.7
-35	1075.2	980.7	881.3	671.6	721.2	772.0	1547.2	1481.0	1404.4	763.0	831.0	904.5
-30	1359.3	1245.6	1126.0	711.4	768.4	827.2	1865.3	1789.4	1700.7	800.1	876.3	958.2
-25	1702.1	1566.1	1423.2	745.0	808.9	875.2	2224.2	2137.7	2039.9	828.4	912.6	1002.4
-20	2110.9	1949.0	1779.4	772.5	842.8	916.0	2627.2	2531.7	2419.3	846.6	938.4	1036.0
-15	2593.7	2402.0	2202.0	793.9	870.0	949.8	3075.8	2963.8	2836.7	853.4	952.6	1057.6
-10	3159.9	2933.8	2699.2	809.3	890.7	976.4	3571.8	3443.9	3300.8	855.2	953.9	1065.9
-5	3820.5	3554.6	3280.4	818.6	904.9	996.1						
0	4588.6	4276.3	3956.8	821.9	912.6	1008.7						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

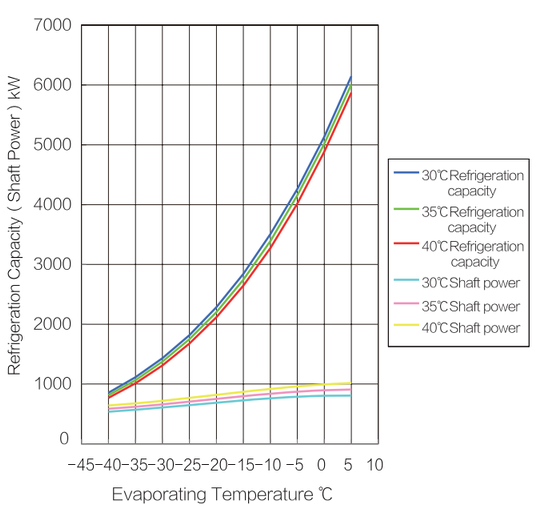


34L series single stage compressor package performance PARAMETERS and curve

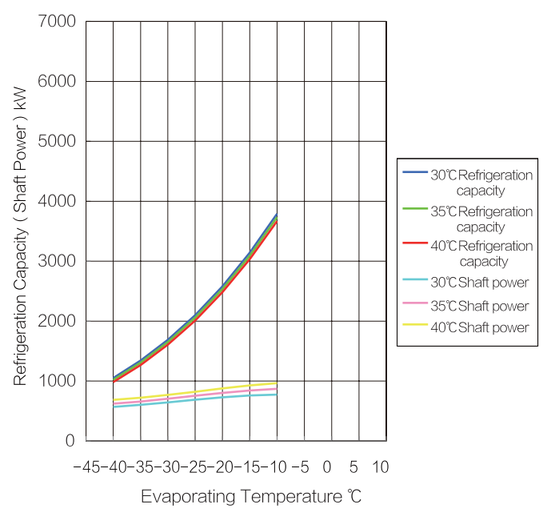
Tc / Te	SNA34L-HA(R717)						SAA34L-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	854.4	813.8	768.8	537.5	587.7	641.4	1050.4	1019.7	982.1	568.1	623.7	686.5
-35	1113.7	1065.3	1012.0	569.2	620.9	676.4	1341.0	1307.2	1266.0	602.2	658.5	720.8
-30	1431.8	1374.3	1311.6	607.0	661.3	719.7	1688.1	1650.9	1606.1	644.4	703.7	768.0
-25	1818.3	1750.1	1676.7	648.1	706.0	768.3	2098.6	2057.7	2009.3	688.6	753.5	822.0
-20	2284.4	2203.3	2117.4	689.7	752.3	819.6	2580.3	2534.9	2482.5	729.1	801.8	876.9
-15	2842.6	2745.7	2645.1	729.0	797.3	870.7	3141.6	3090.2	3033.2	759.7	842.6	926.7
-10	3507.4	3390.8	3272.6	763.1	838.3	918.7	3791.7	3732.3	3669.4	774.5	870.0	965.4
-5	4258.7	4154.1	4014.1	789.3	872.3	961.0						
0	5133.9	5018.8	4886.1	804.8	896.7	994.6						
5	6146.8	6009.7	5871.1	806.7	908.6	1016.9						

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℃)

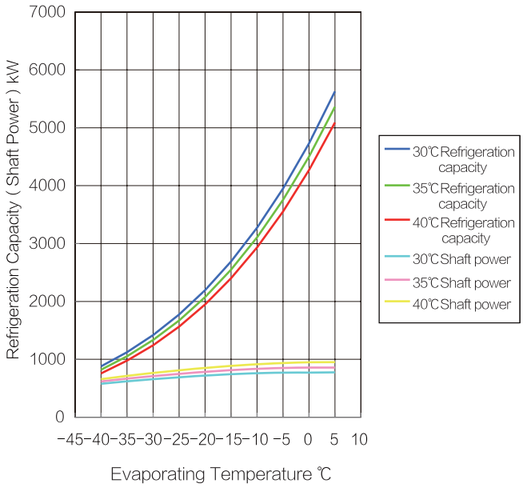


34LL series single stage compressor package performance PARAMETERS and curve

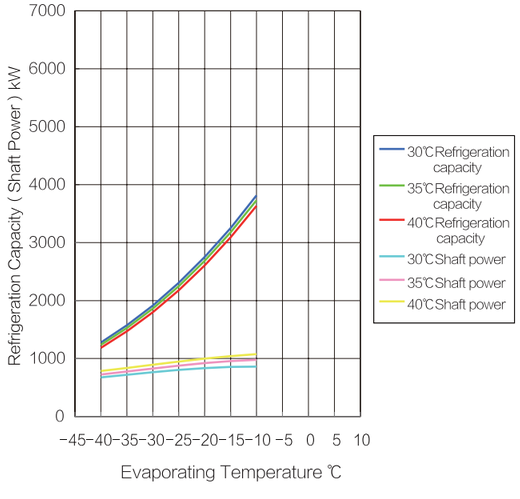
Tc / Te	SNH34L-HA(R22)						SAH34L-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	878.4	819.8	756.9	578.7	618.4	658.2	1276.0	1234.7	1184.9	674.0	724.6	785.5
-35	1123.0	1052.2	976.2	619.7	666.0	713.0	1572.6	1525.9	1469.2	719.5	775.9	837.5
-30	1418.8	1333.8	1242.9	657.4	709.9	764.0	1914.7	1862.3	1798.9	763.6	828.0	892.5
-25	1773.3	1672.0	1564.1	691.1	749.6	810.4	2306.6	2247.8	2177.3	803.1	877.5	947.0
-20	2194.5	2074.5	1947.4	719.9	784.2	851.5	2751.5	2685.6	2607.5	834.5	921.2	997.8
-15	2691.0	2549.6	2400.6	743.1	813.0	886.5	3252.5	3178.6	3092.2	854.8	955.8	1041.7
-10	3272.3	3106.2	2932.3	759.9	835.1	914.7	3814.4	3730.9	3634.9	860.5	977.9	1075.2
-5	3948.5	3753.8	3551.7	769.7	850.0	935.2						
0	4730.4	4502.6	4268.4	771.6	856.7	947.5						
5	5630.0	5363.8	5092.9	776.1	857.3	950.6						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

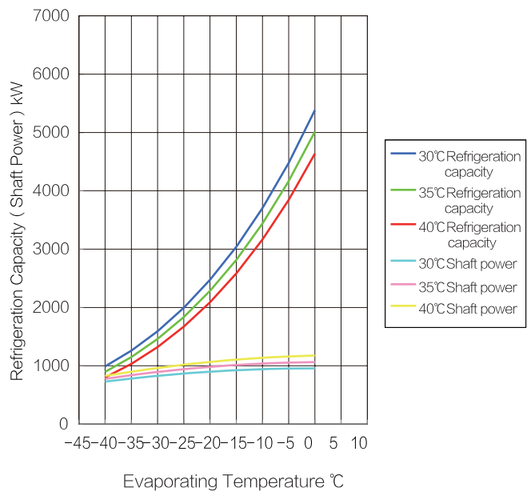


34LL series single stage compressor package performance PARAMETERS and curve

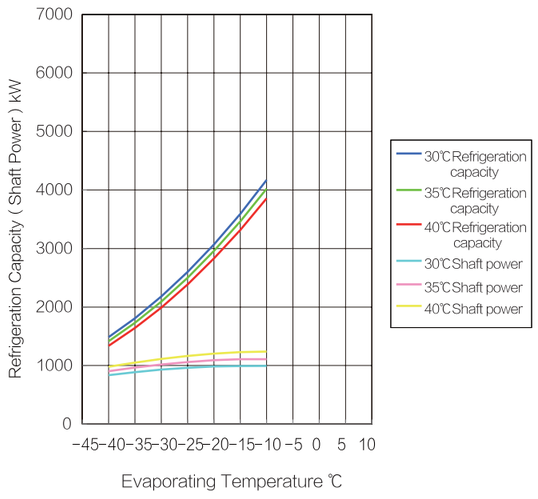
Tc / Te	SNP34L-HA(R507A)						SAP34L-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	989.2	896.6	800.5	729.2	777.6	827.1	1486.6	1416.9	1337.3	834.6	903.5	978.9
-35	1261.6	1150.3	1034.4	782.8	840.5	899.9	1808.5	1730.2	1641.8	886.4	965.3	1050.5
-30	1594.7	1461.3	1322.3	829.2	895.6	964.2	2179.9	2091.1	1989.3	929.7	1018.1	1112.9
-25	1996.2	1837.2	1671.3	868.4	942.8	1020.0	2598.7	2498.3	2386.3	962.8	1060.5	1164.5
-20	2474.8	2286.0	2089.1	900.4	982.3	1067.6	3068.6	2958.3	2829.6	984.3	1090.9	1203.9
-15	3040.1	2816.7	2584.1	925.3	1014.0	1106.9	3591.8	3462.5	3316.4	992.5	1107.7	1229.3
-10	3703.5	3439.6	3165.8	943.1	1038.2	1137.9	4170.9	4022.8	3857.0	993.3	1109.5	1239.3
-5	4478.7	4167.2	3845.4	954.0	1054.8	1160.8						
0	5382.1	5014.1	4636.2	958.0	1063.9	1175.6						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

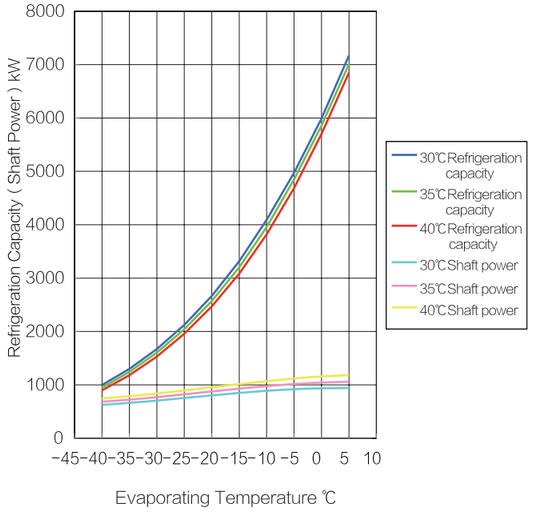


34LL series single stage compressor package performance PARAMETERS and curve

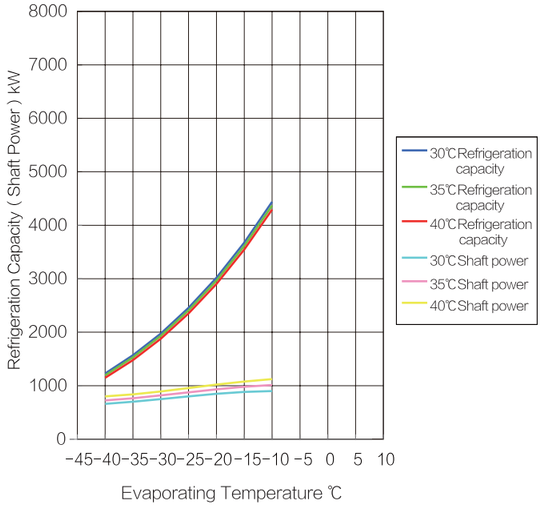
Tc / Te	SNA34LL-HA(R717)						SAA34LL-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	997.1	949.7	897.2	626.2	684.7	747.2	1229.0	1193.0	1149.1	661.3	726.0	799.1
-35	1299.7	1243.2	1181.0	663.1	723.3	788.0	1569.0	1529.4	1481.2	701.0	766.5	839.0
-30	1670.9	1603.8	1530.6	707.2	770.4	838.5	1975.1	1931.6	1879.1	750.1	819.1	894.0
-25	2122.0	2042.4	1956.7	755.0	822.5	895.1	2455.4	2407.5	2350.9	801.5	877.1	956.8
-20	2665.9	2571.3	2471.0	803.5	876.4	954.8	3019.0	2965.8	2904.5	848.7	933.3	1020.7
-15	3317.3	3204.2	3086.8	849.3	928.9	1014.4	3675.7	3615.5	3548.8	884.3	980.8	1078.7
-10	4093.1	3957.1	3819.1	889.0	976.6	1070.3	4436.3	4366.8	4293.2	901.5	1012.7	1123.7
-5	4969.9	4847.8	4684.5	919.5	1016.2	1119.6						
0	5991.3	5856.9	5702.1	937.6	1044.7	1158.7						
5	7173.3	7013.3	6851.6	939.8	1058.5	1184.7						

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℃)

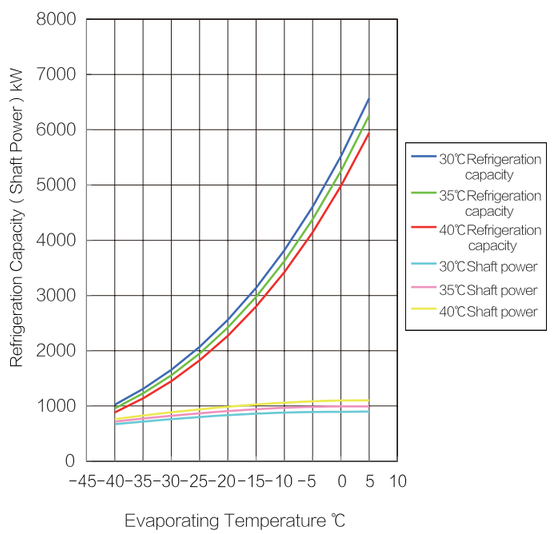


34LL series single stage compressor package performance PARAMETERS and curve

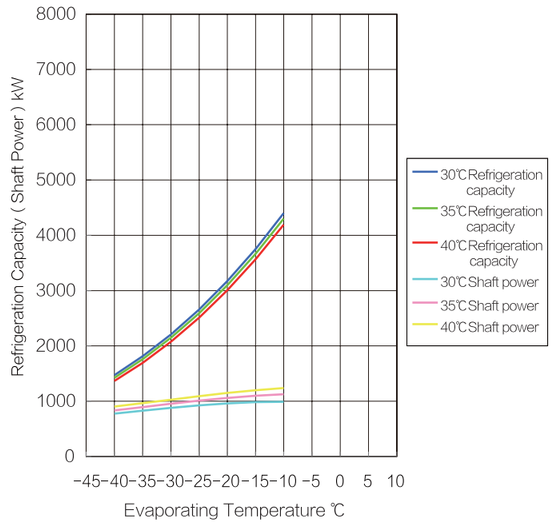
Tc / Te	SNH34LL-HA(R22)						SAH34LL-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	1024.8	956.5	883.1	671.3	717.3	763.5	1471.8	1424.2	1366.7	776.4	834.7	904.9
-35	1310.2	1227.6	1138.9	718.9	772.6	827.1	1813.9	1760.1	1694.7	828.9	893.8	964.8
-30	1655.3	1556.1	1450.1	762.6	823.5	886.2	2208.5	2148.1	2075.0	879.7	953.9	1028.2
-25	2068.9	1950.7	1824.8	801.7	869.5	940.1	2660.6	2592.8	2511.4	925.2	1010.9	1090.9
-20	2560.3	2420.3	2272.0	835.1	909.7	987.7	3173.8	3097.7	3007.7	961.3	1061.2	1149.5
-15	3139.6	2974.6	2800.8	862.0	943.1	1028.3	3751.6	3666.4	3566.7	984.7	1101.1	1200.0
-10	3817.8	3624.0	3421.1	881.5	968.7	1061.1	4399.8	4303.5	4192.7	991.3	1126.5	1238.6
-5	4606.7	4379.5	4143.7	892.9	986.0	1084.8						
0	5518.9	5253.1	4979.9	895.1	993.8	1099.1						
5	6568.5	6257.9	5941.8	900.3	994.5	1102.7						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
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℃)

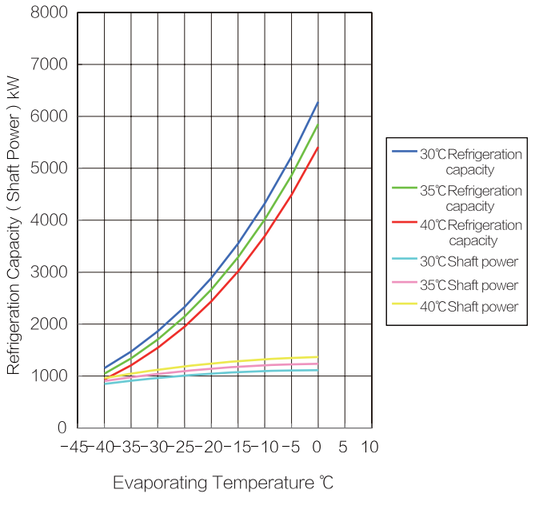


34LL series single stage compressor package performance PARAMETERS and curve

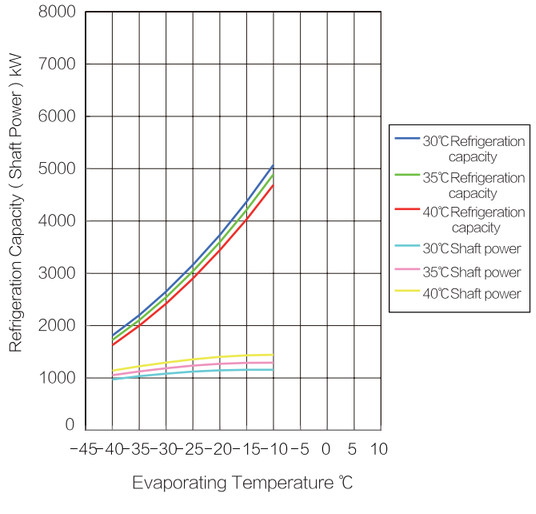
Tc / Te	SNP34LL-HA(R507A)						SAP34LL-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	1154.4	1046.3	934.2	847.6	903.9	961.4	1807.8	1723.0	1626.2	971.3	1051.5	1139.2
-35	1472.3	1342.4	1207.1	909.9	977.0	1046.0	2199.2	2104.0	1996.5	1031.6	1123.4	1222.5
-30	1861.0	1705.3	1543.1	963.9	1041.0	1120.8	2650.9	2542.9	2419.1	1081.9	1184.8	1295.1
-25	2329.6	2144.0	1950.4	1009.4	1095.9	1185.6	3160.2	3038.1	2901.9	1120.5	1234.2	1355.2
-20	2888.1	2667.8	2438.0	1046.6	1141.8	1241.0	3731.6	3597.5	3441.0	1145.5	1269.5	1401.0
-15	3547.8	3287.1	3015.6	1075.6	1178.7	1286.7	4367.9	4210.6	4032.9	1155.0	1289.1	1430.6
-10	4322.0	4014.0	3694.5	1096.3	1206.8	1322.7	5072.1	4892.0	4690.4	1156.0	1291.2	1442.2
-5	5226.6	4863.1	4487.6	1108.9	1226.1	1349.3						
0	6280.9	5851.5	5410.4	1113.6	1236.7	1366.5						
5	-	-	-	-	-	-						

Note: 1. Rotation speed 2960rpm;
2. Suction superheat 10℃;
3. Tc—condensing temperature ℃, Te-evaporating temperature ℃;
4. Refrigeration capacity (shaft power) , unit kW.

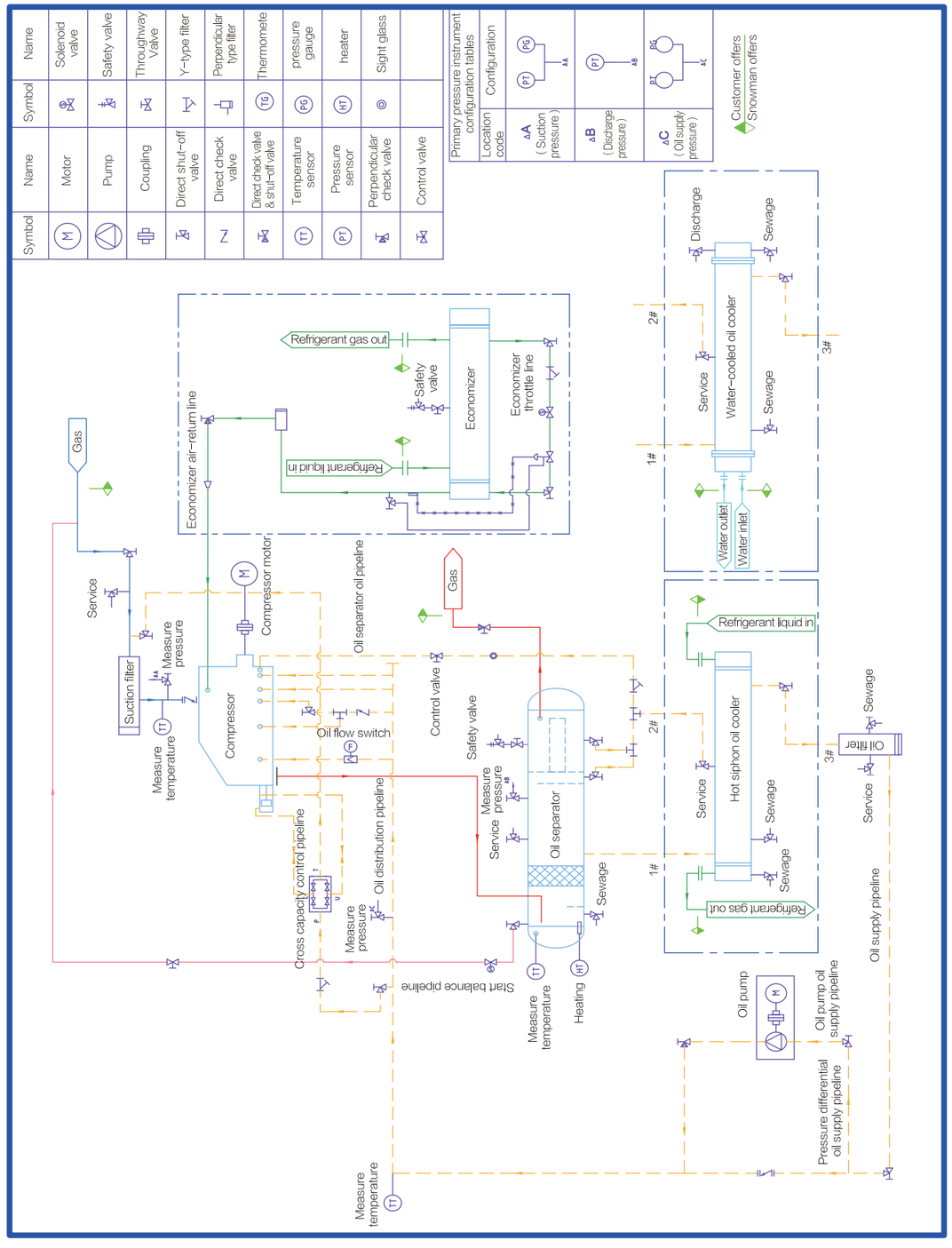
SNP34LL-HA (R507A, Condensing Temperature: 30/35/40℃)



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

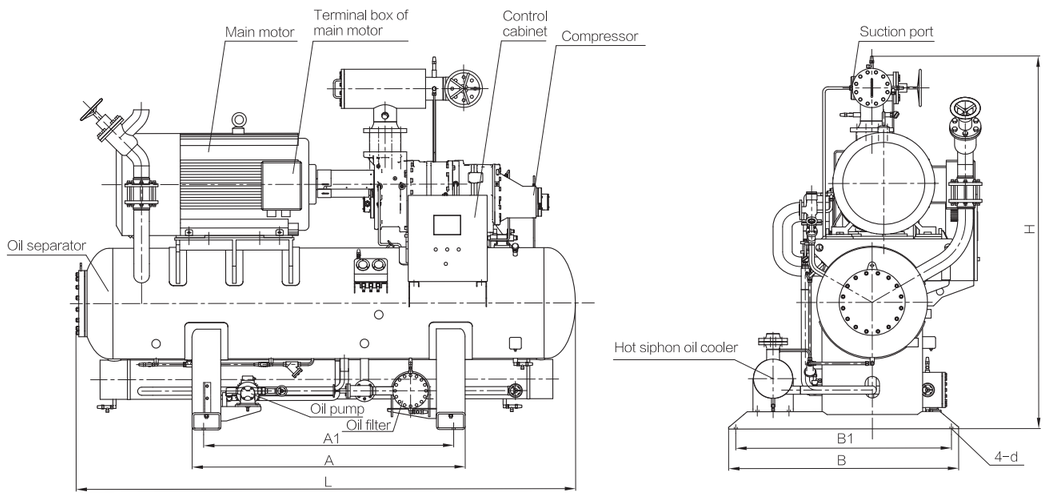


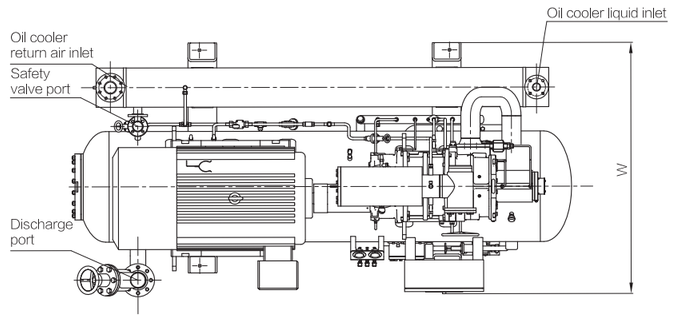
Single stage compressor package system diagram



Note: underlined sections are compressor economizer kits. The package shall choose whether equipping with economizer kits or not according to actual running conditions.

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

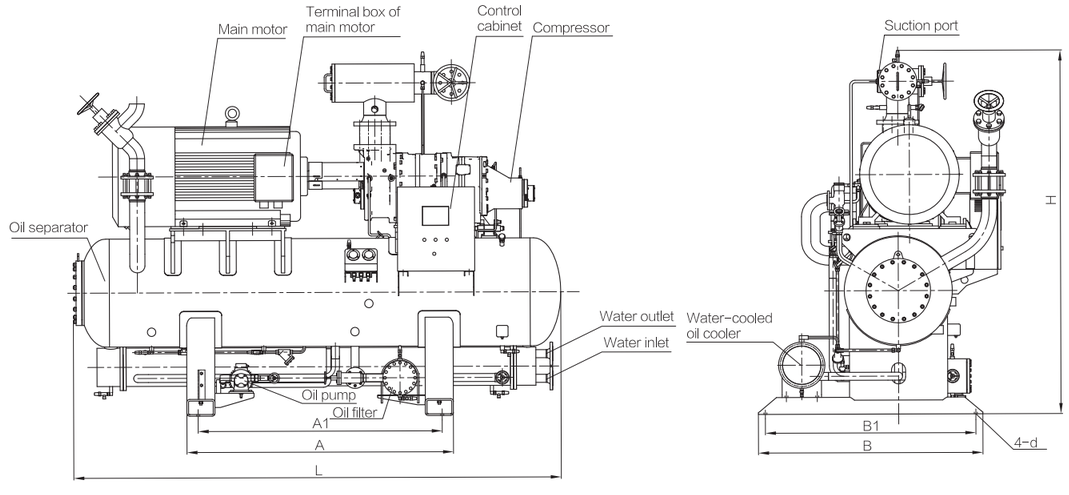


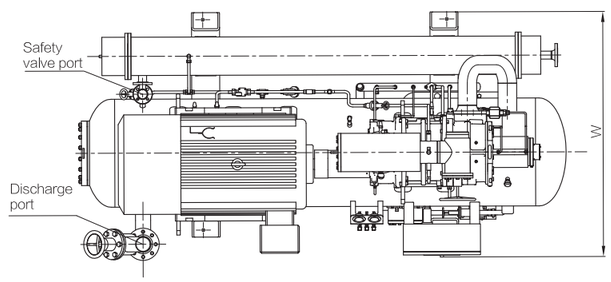


Dimension \ Model		12 Series	16 Series	20 Series	26 Series	34 Series
Appearance	L	2800	3200	3500	4400	5600
	W	1300	1500	1800	2150	2350
	H	1800	2300	2600	3100	4200
Support	A	1650	1800	1900	2200	2650
	A1	1490	1640	1740	2040	2450
	B	1300	1400	1600	1900	2220
	B1	1200	1300	1500	1800	2100
	d	ϕ 22	ϕ 22	ϕ 22	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 acoording to our company's standard.

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

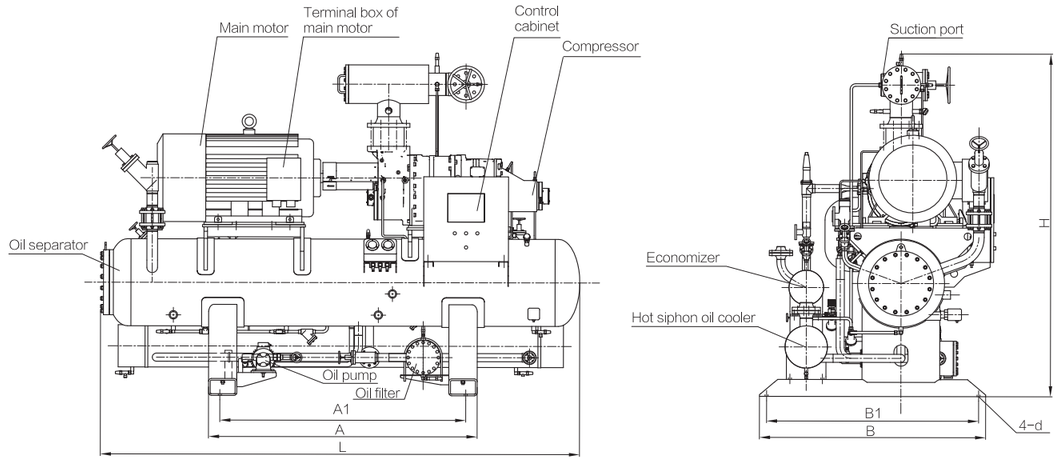


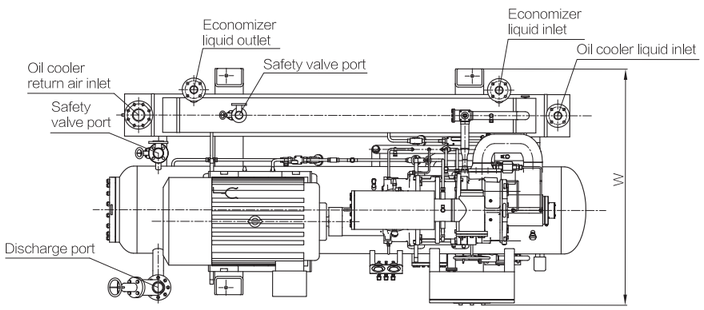


Dimension \ Model		12 Series	16 Series	20 Series	26 Series	34 Series
Appearance	L	2800	3200	3500	4400	5600
	W	1300	1500	1800	2150	2350
	H	1800	2300	2600	3100	4200
Support	A	1650	1800	1900	2200	2650
	A1	1490	1640	1740	2040	2450
	B	1300	1400	1600	1900	2220
	B1	1200	1300	1500	1800	2100
	d	ϕ 22	ϕ 22	ϕ 22	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 acoording to our company's standard.

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

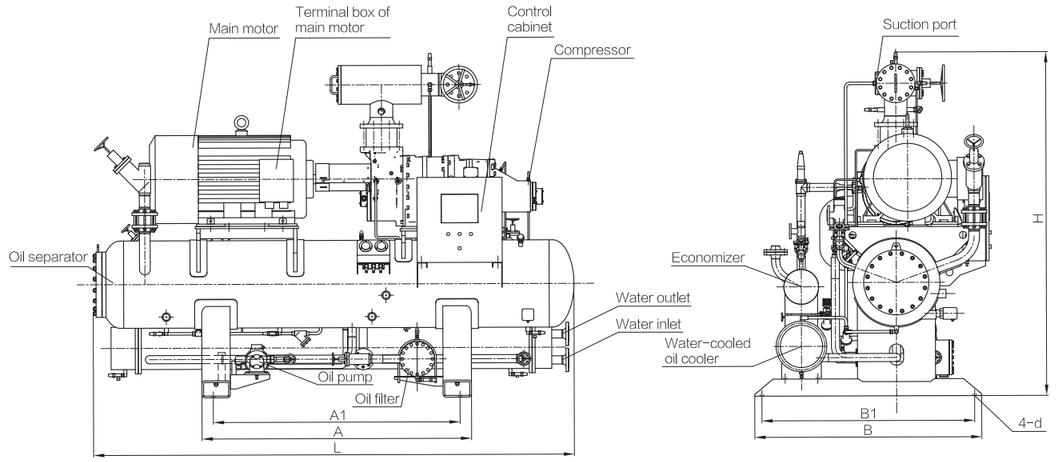


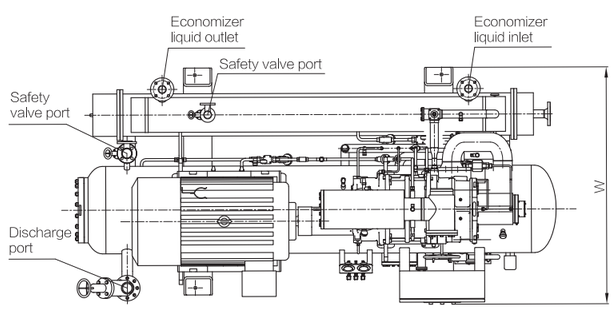


Dimension \ Model		12 Series	16 Series	20 Series	26 Series	34 Series
Appearance	L	2800	3200	3500	4400	5600
	W	1300	1500	1800	2150	2350
	H	1800	2300	2600	3100	4200
Support	A	1650	1800	1900	2200	2650
	A1	1490	1640	1740	2040	2450
	B	1300	1400	1600	1900	2220
	B1	1200	1300	1500	1800	2100
	d	ϕ22	ϕ 22	ϕ22	ϕ22	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 acoording to our company's standard.

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

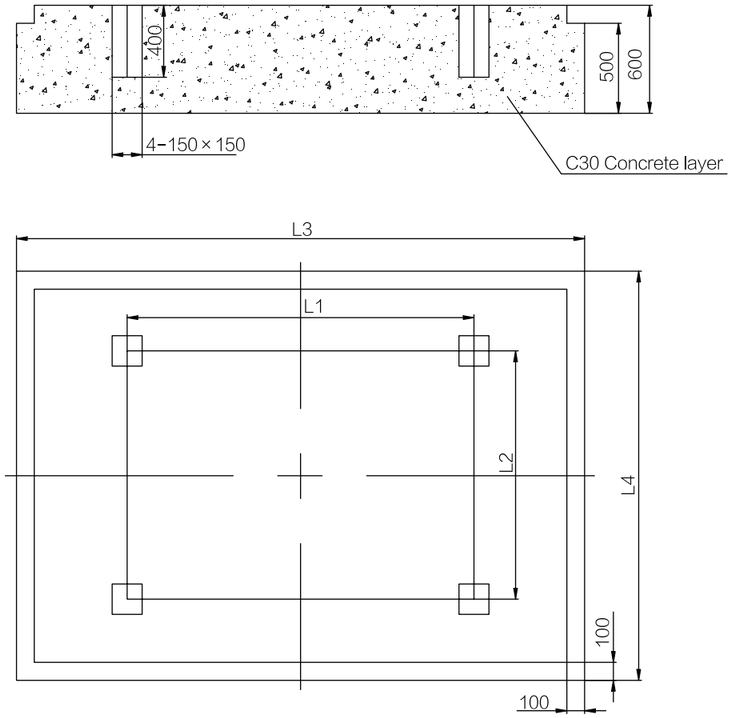




Dimension \ Model		12 Series	16 Series	20 Series	26 Series	34Series
Appearance	L	2800	3200	3500	4400	5600
	W	1300	1500	1800	2150	2350
	H	1800	2300	2600	3100	4200
Support	A	1650	1800	1900	2200	2650
	A1	1490	1640	1740	2040	2450
	B	1300	1400	1600	1900	2220
	B1	1200	1300	1500	1800	2100
	d	ϕ 22	ϕ 22	ϕ 22	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 acoording to our company's standard.

Compressor Package Foundation Schematic Diagram



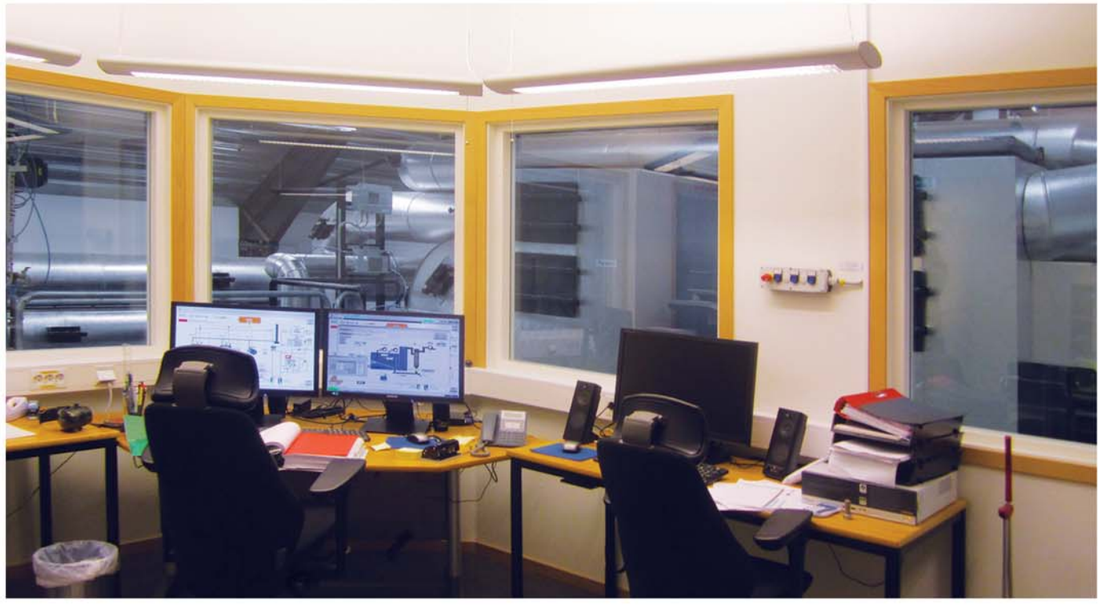
Package Model	L1	L2	L3	L4
12 Series	1490	1200	1940	1650
16 Series	1640	1300	2100	1750
20 Series	1740	1500	2200	1950
26 Series	2040	1800	2500	2250
34 Series	2450	2100	2900	2550

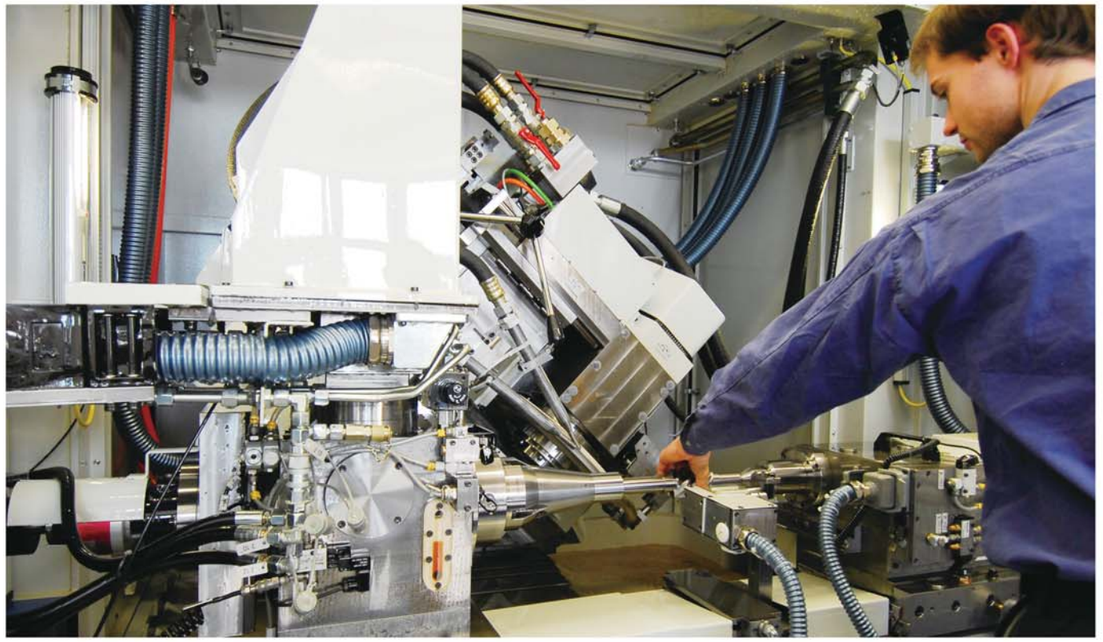
Note: Ensure the foundation settlement of compressor package is no more than 2 mm.

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.

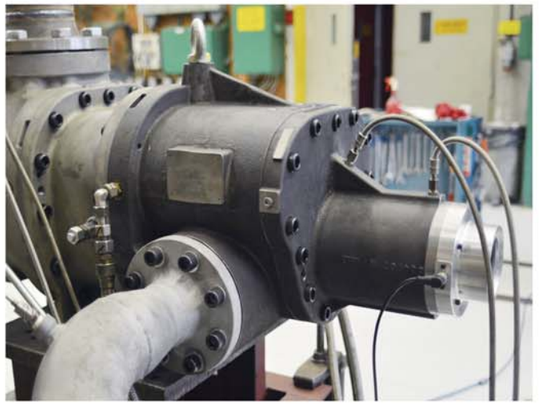




Compressor manufacture technology

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℃ 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.

0.5℃ Concrete cooling

When prouring 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.

-10℃ 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 .

-15℃ Lce 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.

-25℃ Pharmaceutical and chemicals industry

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

-35℃ 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.