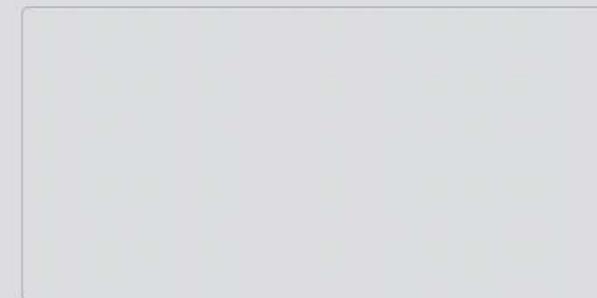


## Open type single stage Refrigeration Screw Compressor Package

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Version 1, January 2016

### **SRM****Sweden**

Subsidiary 100% owned by Snowman

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



Focus on screw technology  
for one hundred years

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



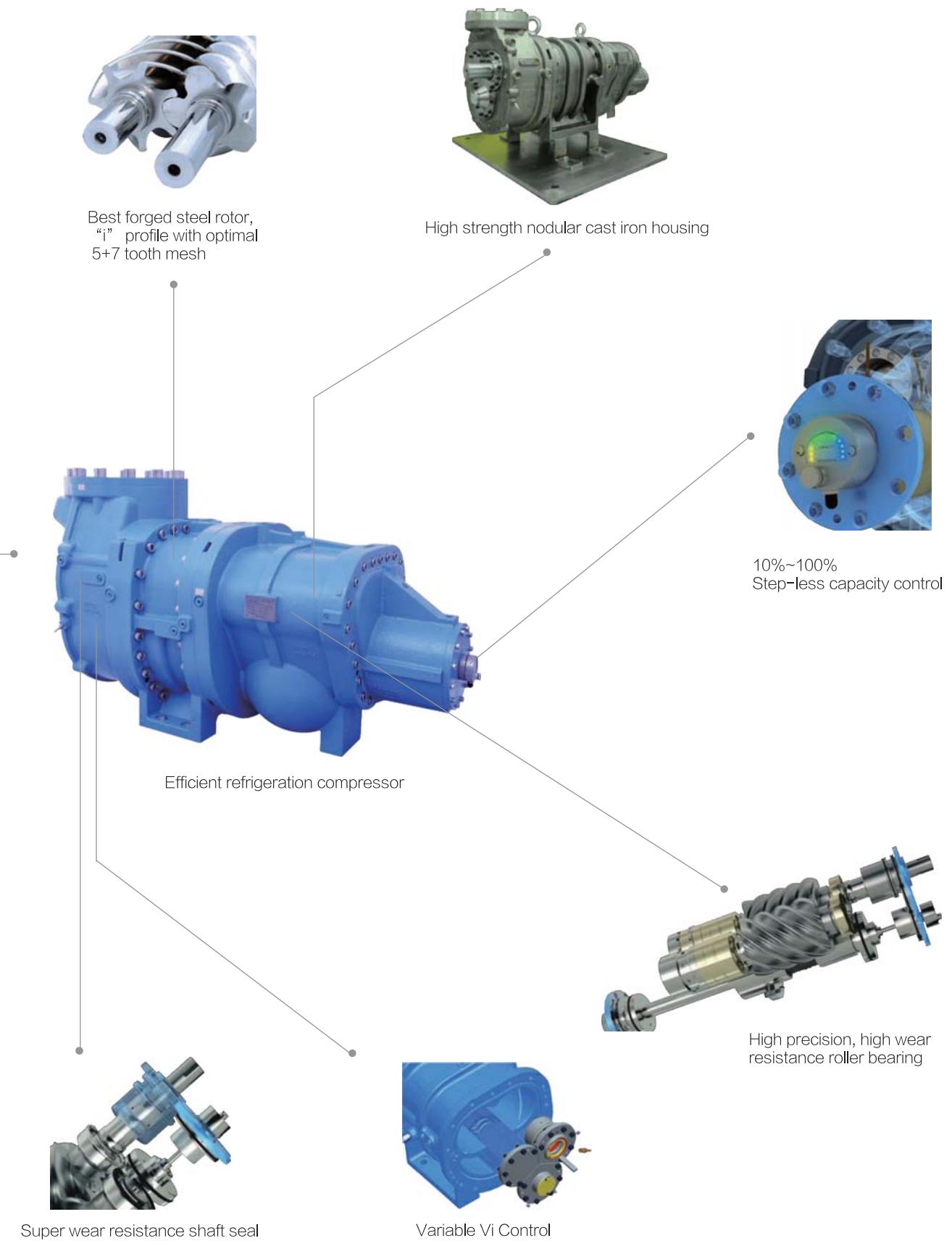
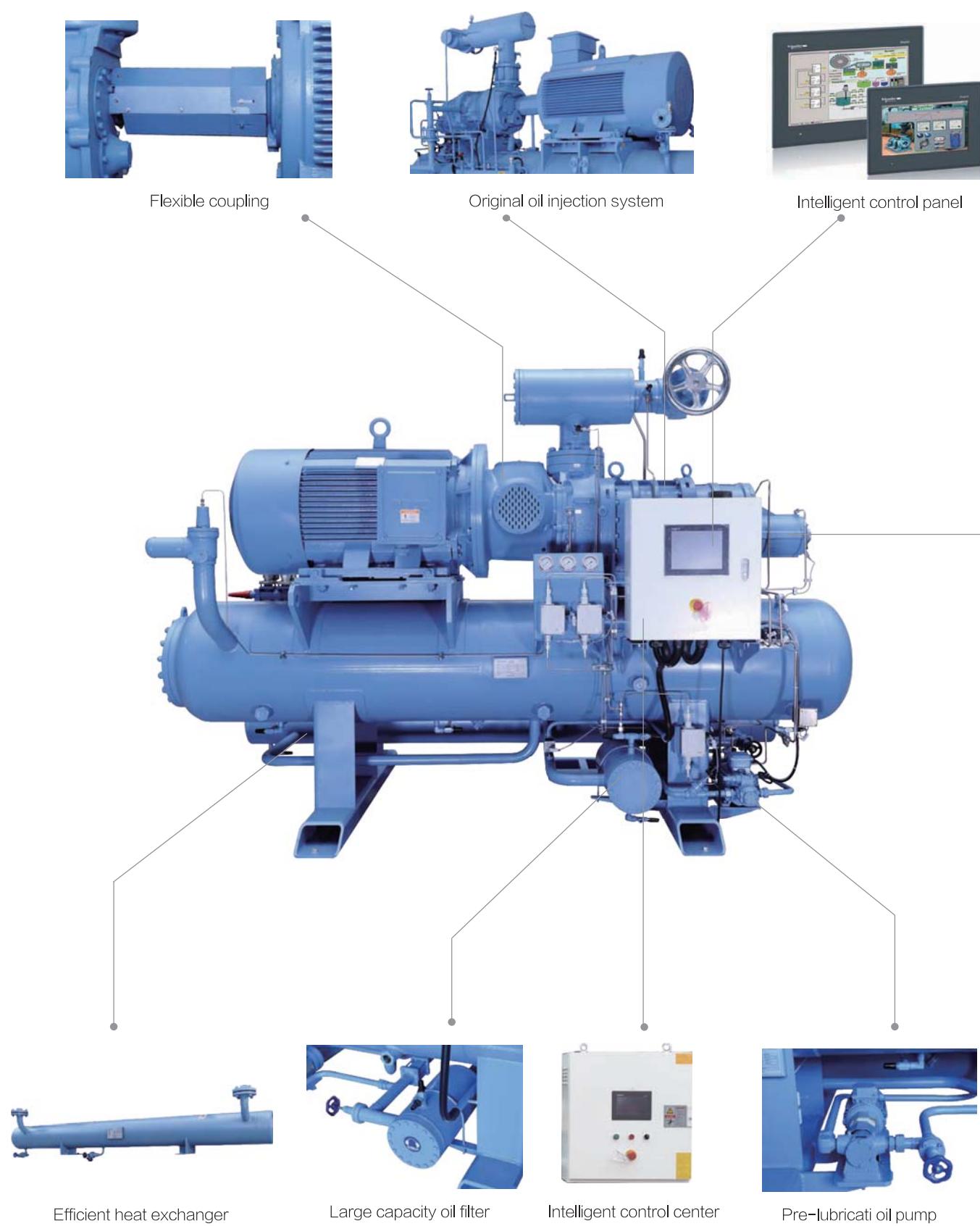
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## Srmtec Open Type Single Stage Refrigeration Screw Compressor Package

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



## Package Features

### Advanced Intelligent Control Center

- User Friendly Interface, one button start-up, easy operation and intelligent control;
- Real-time unit monitoring, the touch screen can indicate real-time system pressure, load capacity, running time, operation mode and running status. Historical data will be recorded and saved;
- Equipped with preventive security protection system, it's safe under unattended operation;
- Automatic capacity control allows package to run efficiently at different working conditions;
- Automatic oil temperature control in certain range ensures the efficient and stable operation of package;
- 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 save 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% steps 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°C, 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 cleanliness 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..

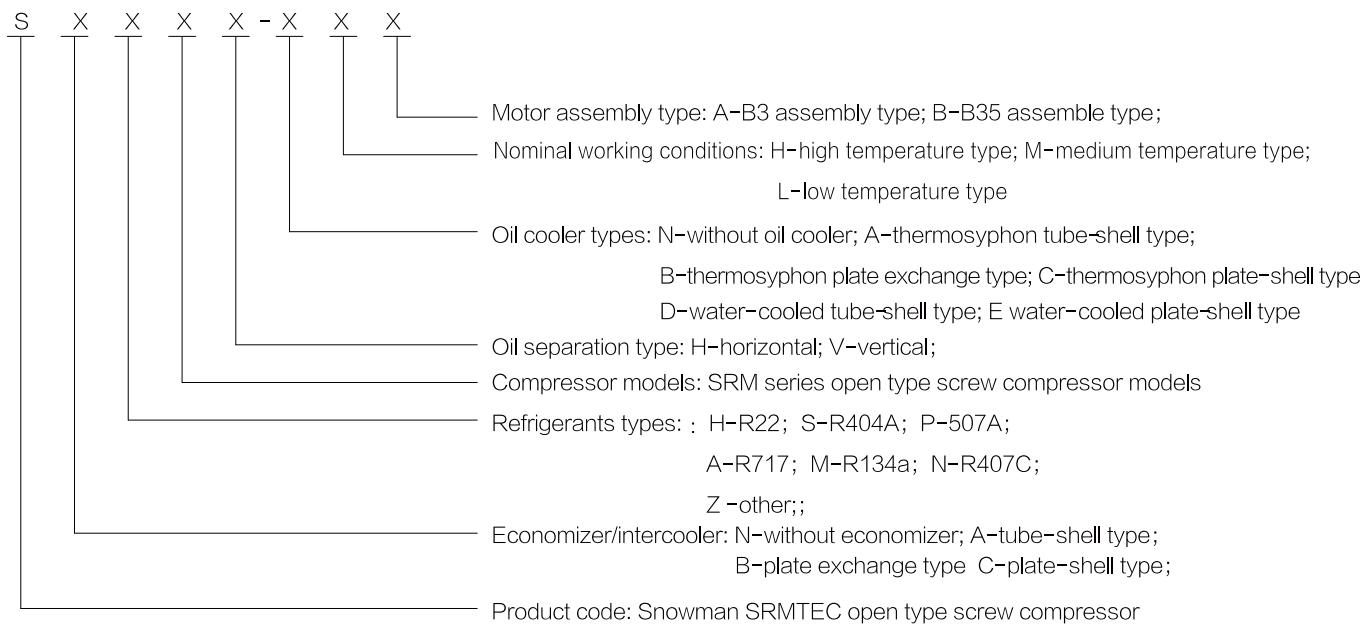
### Anti-Reverse Flow Design

- 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°C~20°C

Discharge temperature: ≤110°C

Oil supply temperature: 30°C~65°C

### Package nominal working conditions instructions

High temperature working conditions: +5°C/35°C

Medium temperature working conditions: -15°C/35°C

Low temperature working conditions: -35°C/35°C

### 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;

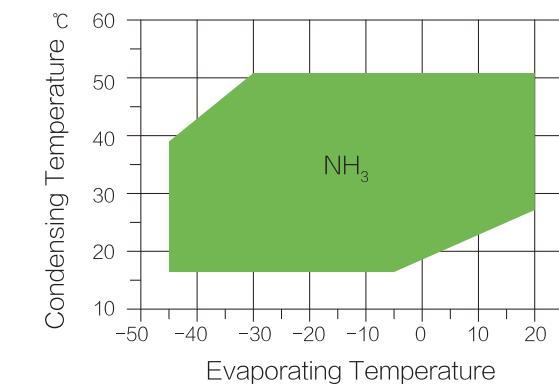
GB/T151 tube-shell heat exchanger;

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 chains  
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 to 10000rpm.

## 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% stepless 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 exclusive 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 system is running, which ensures reliability 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

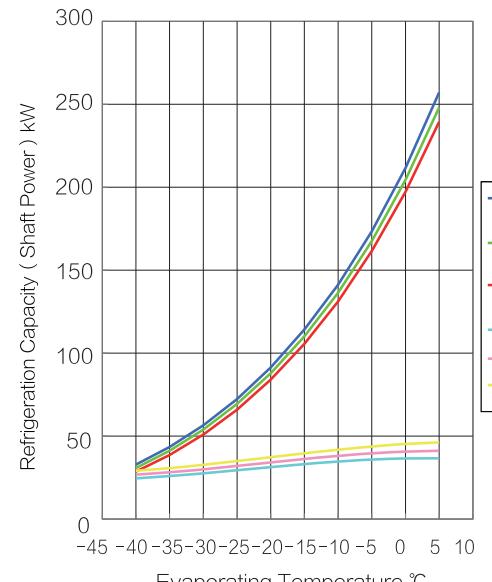
Item		Unit	12series								
	Model		SRM-12S		SRM-12M			SRM-12L			
Compressor	Theoretical displacement	m <sup>3</sup> /h	215		262			310			
	Capacity control range		Step-less capacity control: 10~100%								
Refrigerant	Type		R717	R22	R507A	R717	R22	R507A	R717	R22	R507A
Refrigeration Capacity	High temperature working condition	kW	248	216	-	289	260	-	352	308	-
	Medium temperature working condition	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	DN50		DN50		DN50				
		Low temperature	DN32		DN40		DN40				
	Economizer liquid in/out pipe	mm	DN32		DN32		DN32				
	Safety valve pipe	mm	DN32		DN32		DN32				
	Cooling method	Liquid inlet tube	mm	DN32	DN32	DN25	DN32	DN32	DN25	DN25	
		Gas outlet pipe	mm	DN50	DN50	DN40	DN50	DN50	DN40	DN40	
	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	DN32	DN40	DN32	
		Water outlet pipe	mm	DN40	DN40	DN32	DN40	DN32	DN40	DN32	
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

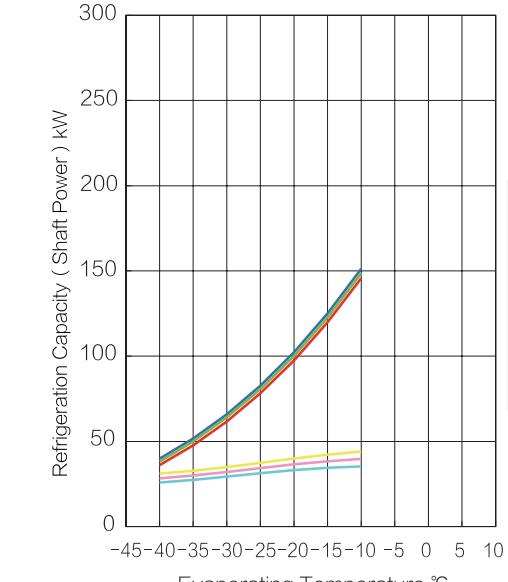
Tc Te	SNA12S-HA(R717)						SAA12S-HA(R717)					
	Without Economizer			With Economizer			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	32.8	30.8	28.6	24.5	26.7	29.1	39.8	38.1	36.0	25.9	28.3	31.1
-35	43.4	41.2	38.6	25.9	28.2	30.7	51.7	50.0	47.7	27.4	30.0	32.7
-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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



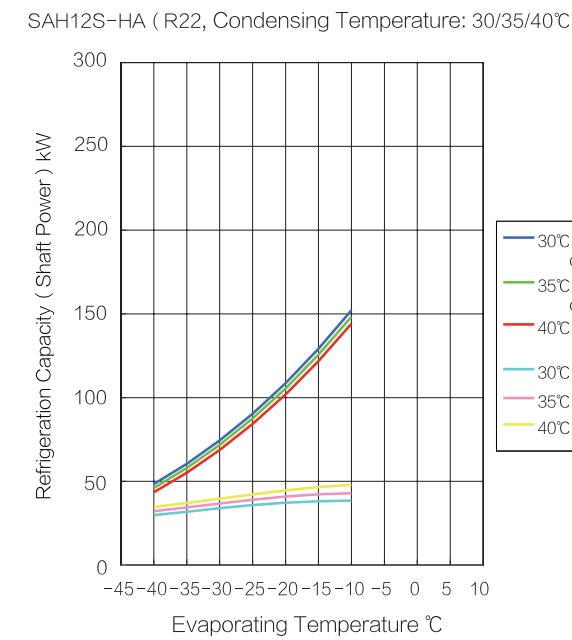
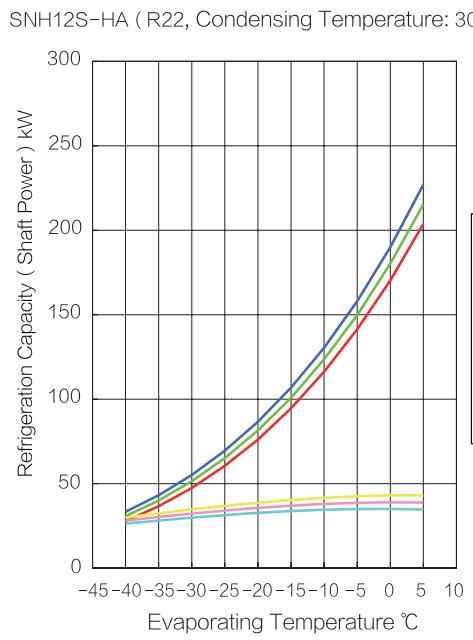
SAA12S-HA ( R717, Condensing Temperature: 30/35/40 °C )



## 12S series single stage compressor package performance PARAMETERS and curve

Tc \ Te	SNH12S-HA(R22)						SAH12S-HA(R22)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		
Te	+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							

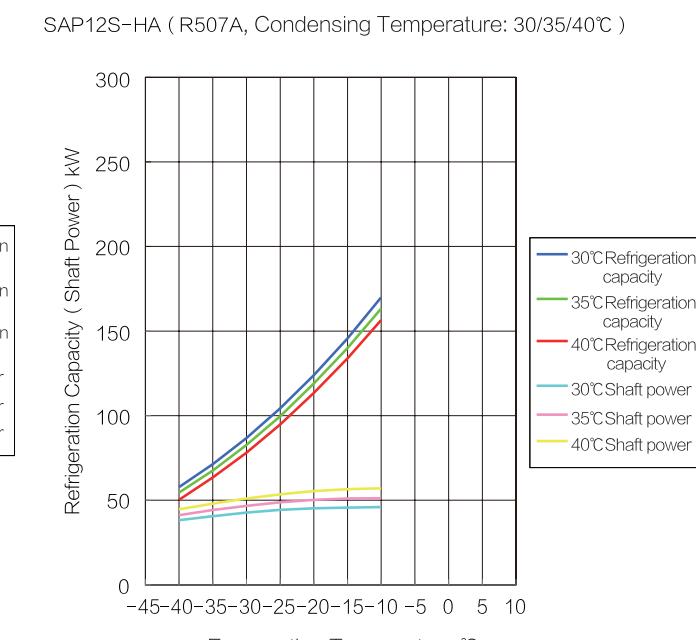
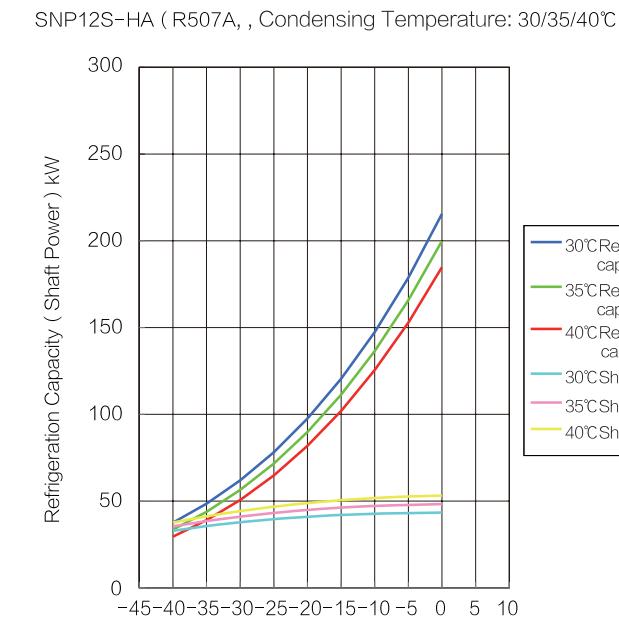
- Note: 1. Rotation speed 2960rpm;  
 2. Suction superheat 10°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.



## 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		
Te	+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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

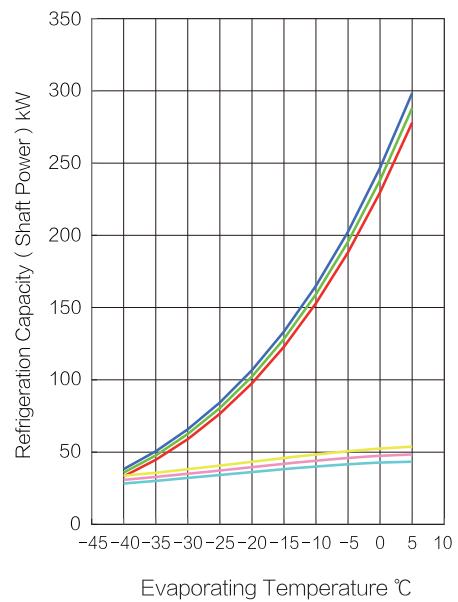


12M series single stage compressor package performance PARAMETERS and curve

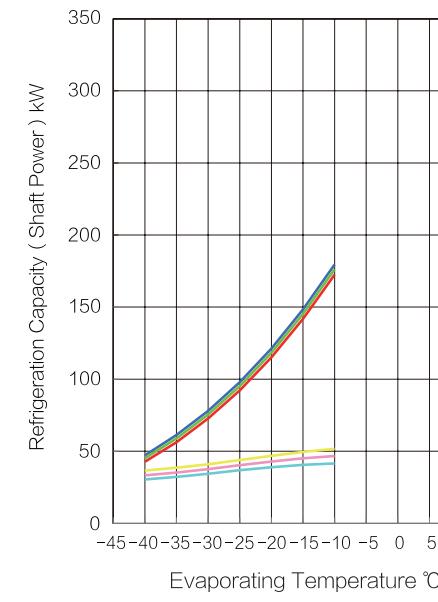
Tc	SNA12M-HA(R717)						SAA12M-HA(R717)					
	Without Economizer			With Economizer			Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power	
Te	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	38.2	35.8	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

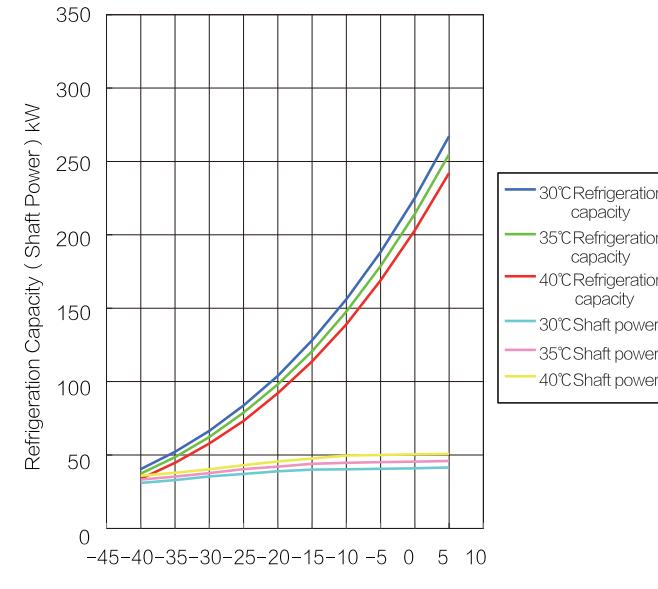


12M series single stage compressor package performance PARAMETERS and curve

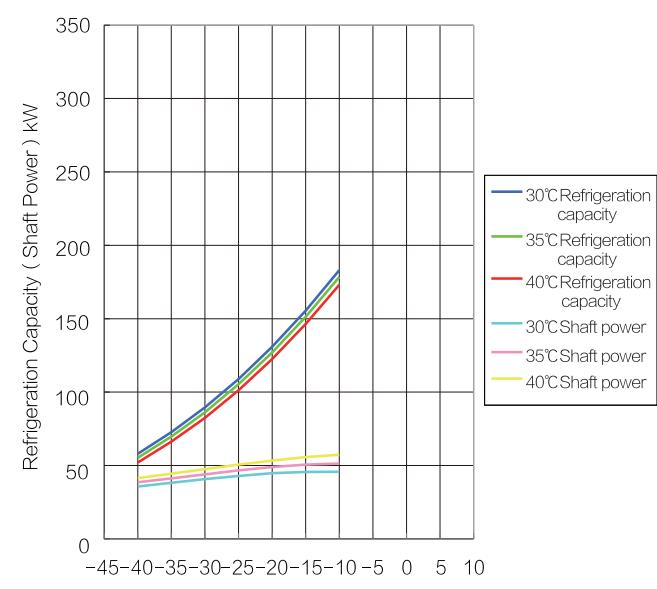
Tc	SNH12M-HA(R22)						SAH12M-HA(R22)					
	Without Economizer			With Economizer			Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power	
Te	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	40.0	36.8	33.3	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°C;  
 3. Tc—condensing temperature°C, Te—evaporating temperature°C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

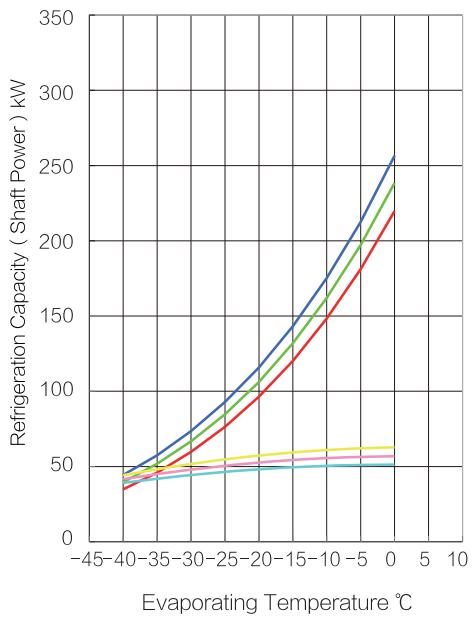


12M series single stage compressor package performance PARAMETERS and curve

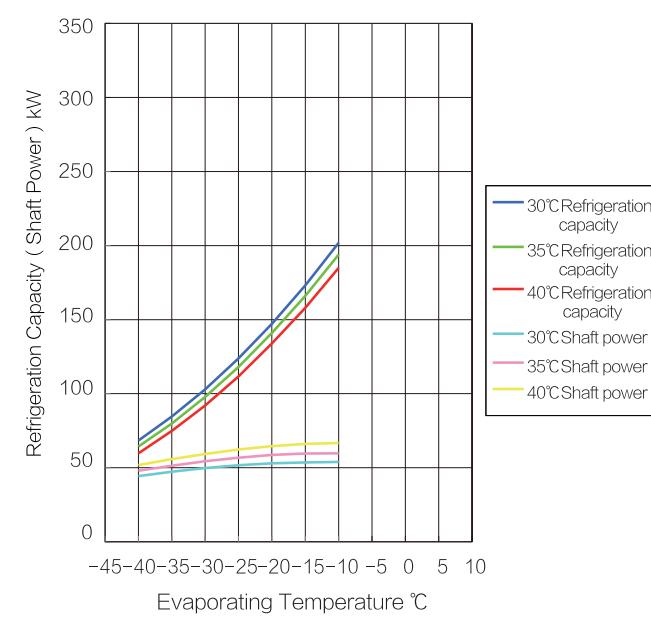
Tc \ Te	SNP12M-HA(R507A)						SAP12M-HA(R507A)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	
-40	44.4	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

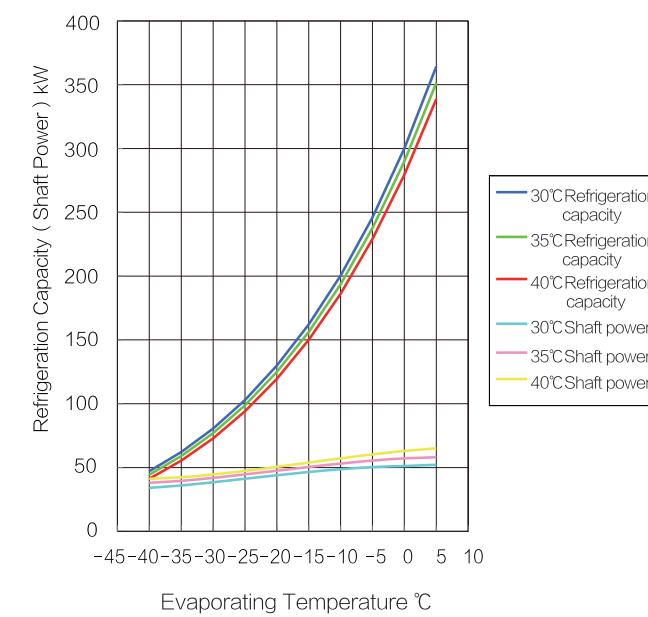


12L series single stage compressor package performance PARAMETERS and curve

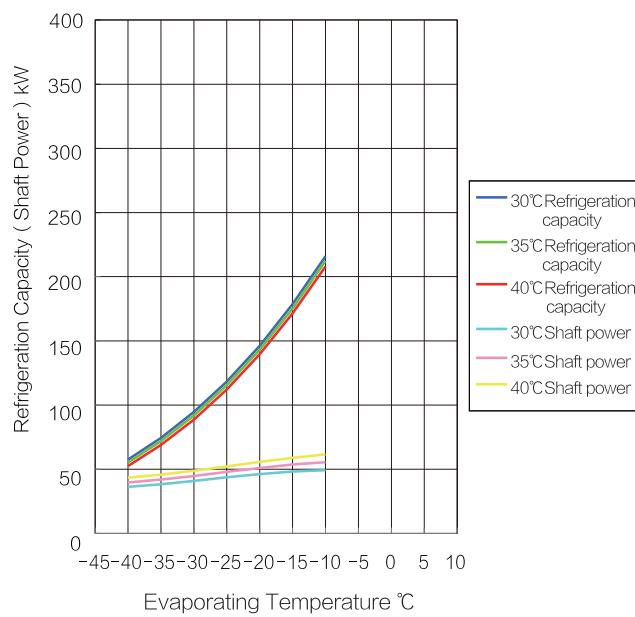
Tc \ Te	SNA12L-HA(R717)						SAA12L-HA(R717)							
	Without Economizer			With Economizer				Without Economizer				With Economizer		
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power			
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40		
-40	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

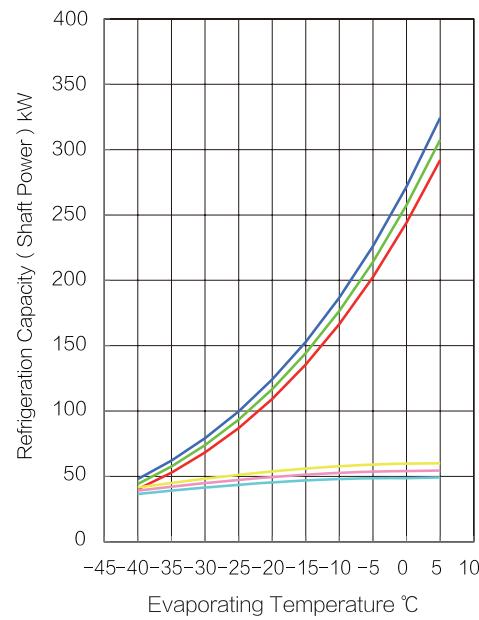


12L series single stage compressor package performance PARAMETERS and curve

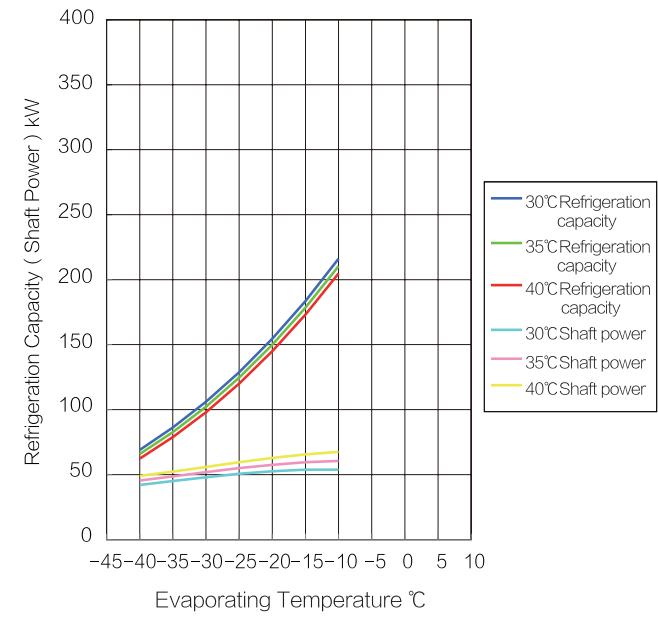
Tc \ Te	SNH12L-HA(R22)						SAH12L-HA(R22)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power	Refrigeration Capacity		Shaft Power
	+30	+35	+40	+30	+35	+40	+30	+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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

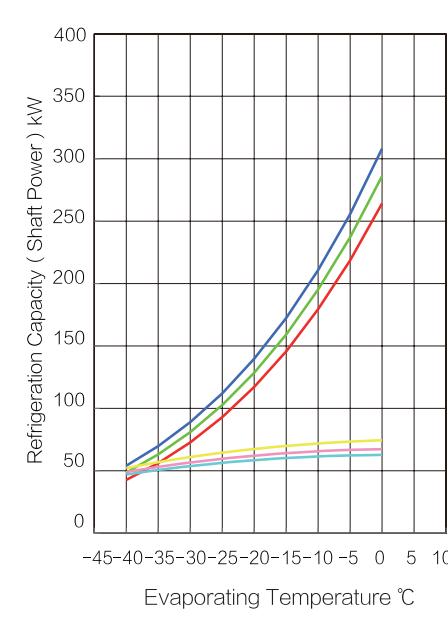


12L series single stage compressor package performance PARAMETERS and curve

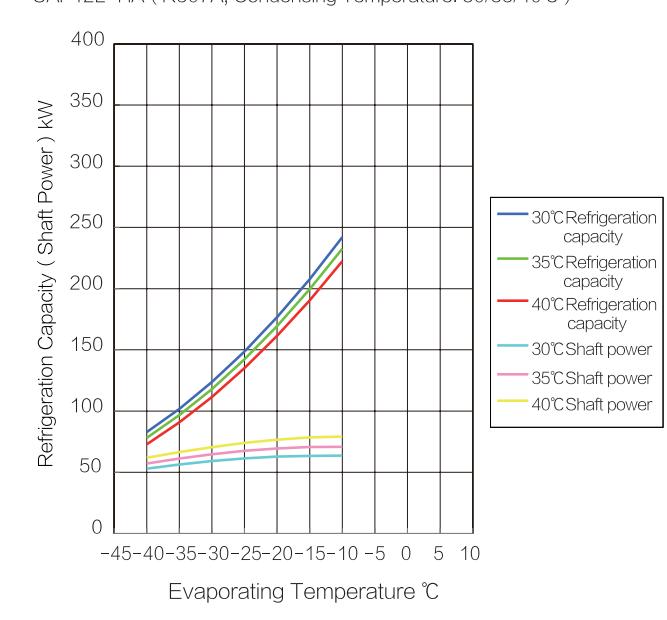
Tc \ Te	SNP12L-HA(R507A)						SAP12L-HA(R507A)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power	Refrigeration Capacity		Shaft Power
	+30	+35	+40	+30	+35	+40	+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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 16 series single stage compressor package PARAMETERS

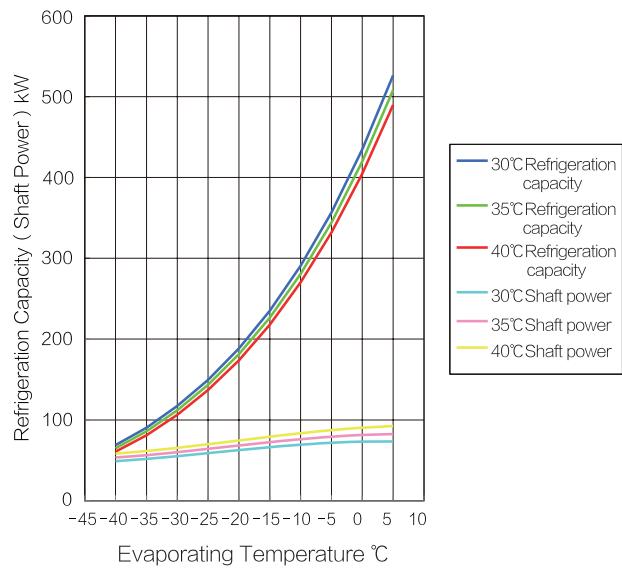
Item		Unit	16series												
Compressor	Model		SRM-16S		SRM-16M			SRM-16L							
	Theoretical displacement	m³/h	435		544			652							
	Capacity control range		Step-less capacity control: 10~100%												
Refrigerant	Type		R717	R22	R507A	R717	R22	R507A	R717	R22	R507A				
Refrigeration capacity	High 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												
Oil pump	Model		GG4195		GG4195			GG4195							
	Motor power	kW	0.75		0.75			0.75							
	Grade		SUNISO4GS/3GS/SL-68S												
Refrigeration oil	Standard		GB/T16630 «Refrigeration Oil»												
	Charge volume	kg	180		180			180							
	Suction pipe	mm	DN125		DN125			DN125							
External connecting pipe size	Discharge pipe	High/medium temperature	DN65		DN80			DN80							
		Low temperature	DN50		DN50			DN50							
	Economizer liquid in/out pipe	mm	DN50		DN50			DN50							
	Safety valve pipe	mm	DN32		DN32			DN32							
	Cooling method	Liquid inlet tube	mm	DN40	DN40	DN32	DN40	DN40	DN32	DN40					
	Working medium cooled	Gas outlet pipe	mm	DN65	DN65	DN50	DN65	DN65	DN65	DN50					
	Working medium consumption amount	kg/h	246	1325	1430	246	1325	1430	246	1325	1430				
	Water cooled	Water inlet pipe	mm	DN50	DN50	DN40	DN50	DN40	DN50	DN40					
	Water cooled	Water outlet pipe	mm	DN50	DN50	DN40	DN50	DN40	DN50	DN40					
	Cooling water amount	m³/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							
<p>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.</p> <p>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.</p> <p>3. Oil cooling method can be either water cooling or working medium cooling, Snowman recommends to use water cooling.</p> <p>4. ECO means the package with economizer</p>															

## 16S series single stage compressor package performance PARAMETERS and curve

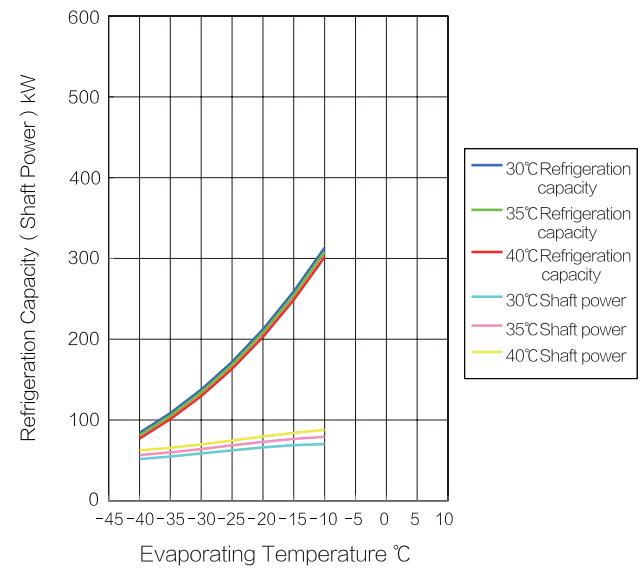
Tc	SNA16S-HA(R717)						SAA16S-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
Te	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	68.7	64.9	60.7	48.9	53.4	58.3	84.1	80.9	77.2	51.7	56.7	62.4
-35	90.5	86.0	81.1	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ), unit kW.

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



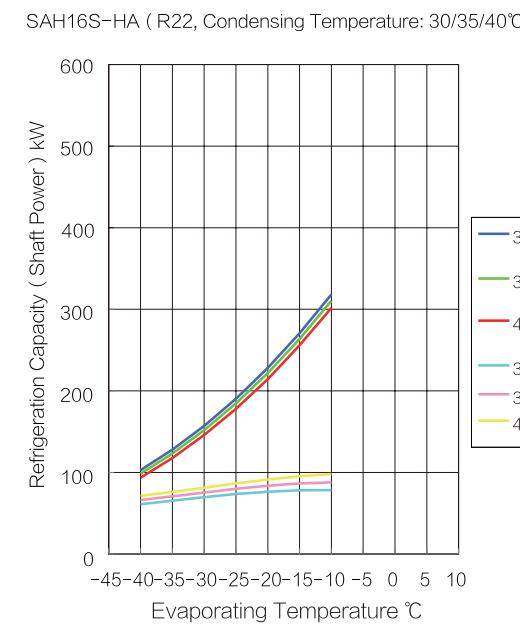
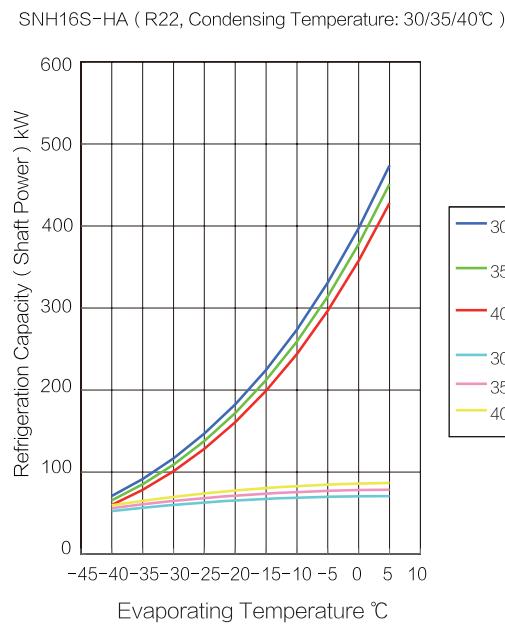
SAA16S-HA ( R717, Condensing Temperature: 30/35/40°C )



16S series single stage compressor package performance PARAMETERS and curve

Tc	SNH16S-HA(R22)						SAH16S-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
Te	+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						

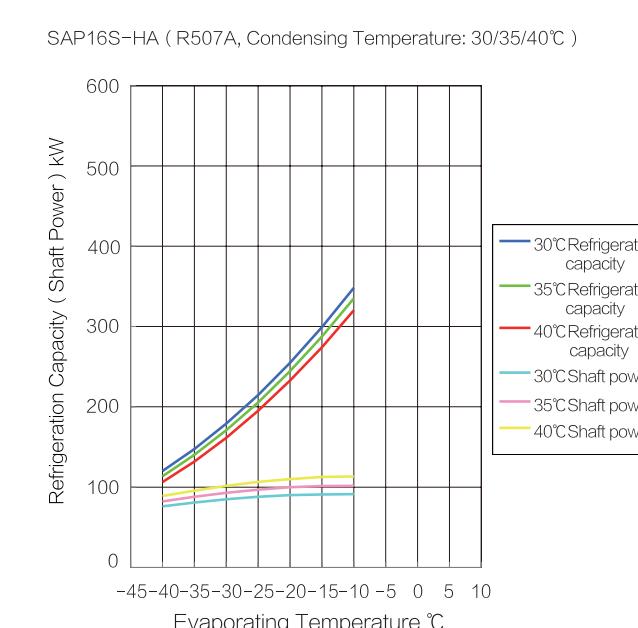
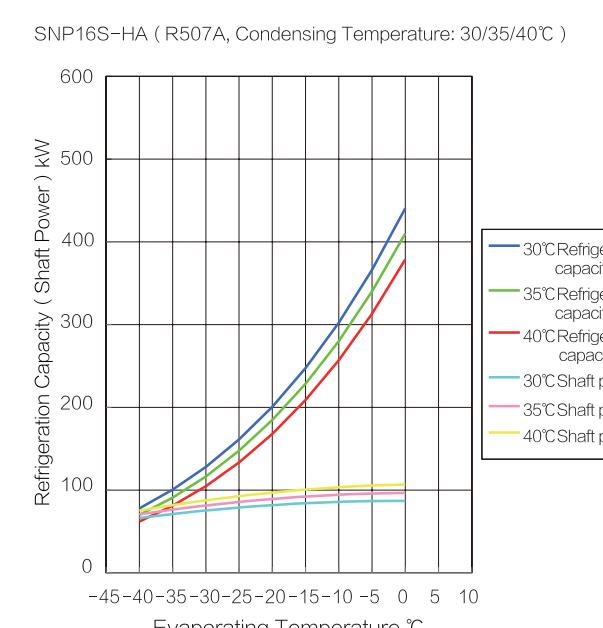
- Note: 1. Rotation speed 2960rpm;  
 2. Suction superheat 10°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.



16S series single stage compressor package performance PARAMETERS and curve

Tc	SNP16S-HA(R507A)						SAP16S-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
Te	+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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

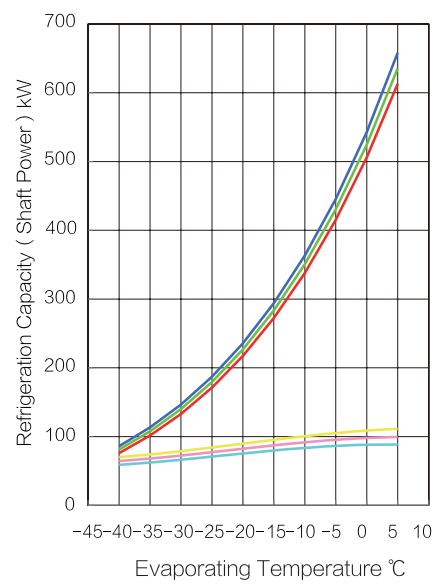


16M series single stage compressor package performance PARAMETERS and curve

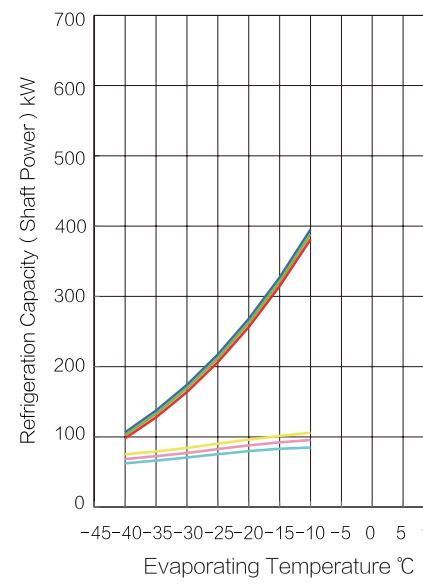
Tc Te	SNA16M-HA(R717)						SAA16M-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	
-40	86.1	81.3	76.0	58.8	64.3	70.2	106.5	102.5	97.8	62.4	68.4	75.2
-35	113.3	107.6	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

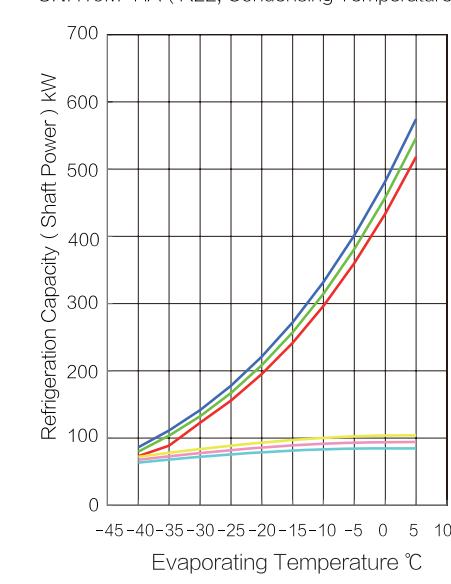


16M series single stage compressor package performance PARAMETERS and curve

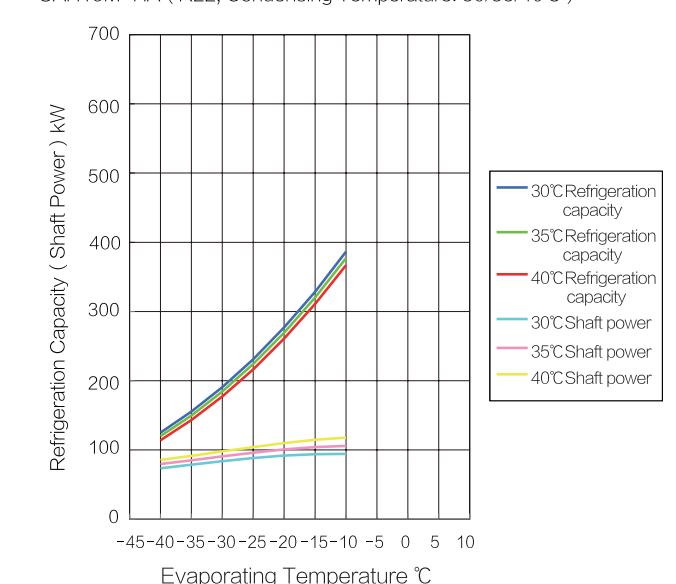
Tc Te	SNH16M-HA(R22)						SAH16M-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	
-40	86.2	79.7	72.9	63.3	67.6	72.0	125.0	119.9	114.0	73.6	79.6	85.8
-35	111.2	103.4	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 16M series single stage compressor package performance PARAMETERS and curve

Tc \ Te	SNP16M-HA(R507A)						SAP16M-HA(R507A)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		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	-	-	-	-	-	-							

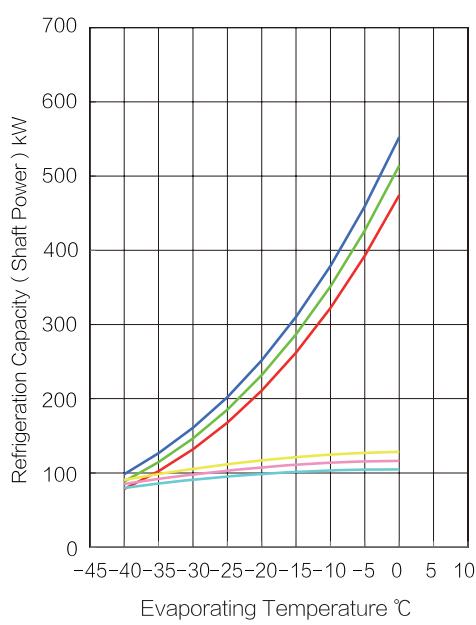
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 10°C;

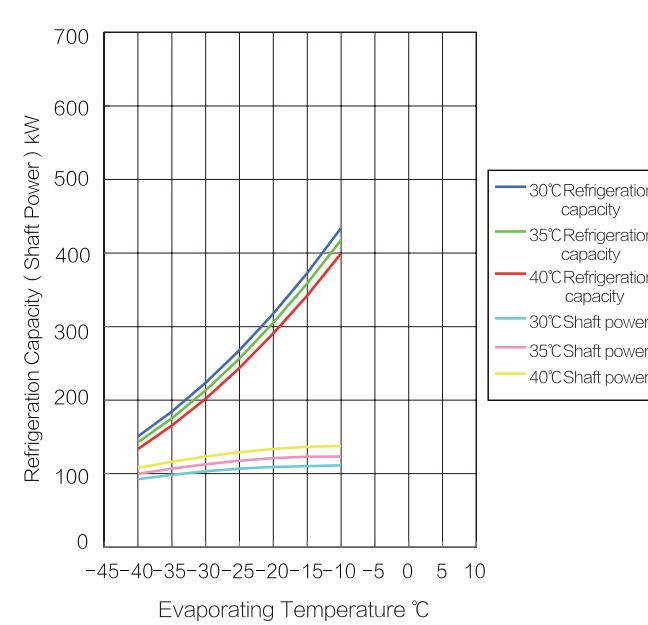
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 16L series single stage compressor package performance PARAMETERS and curve

Tc \ Te	SNA16L-HA(R717)						SAA16L-HA(R717)								
	Without Economizer			With Economizer				Without Economizer				With Economizer			
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity			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									

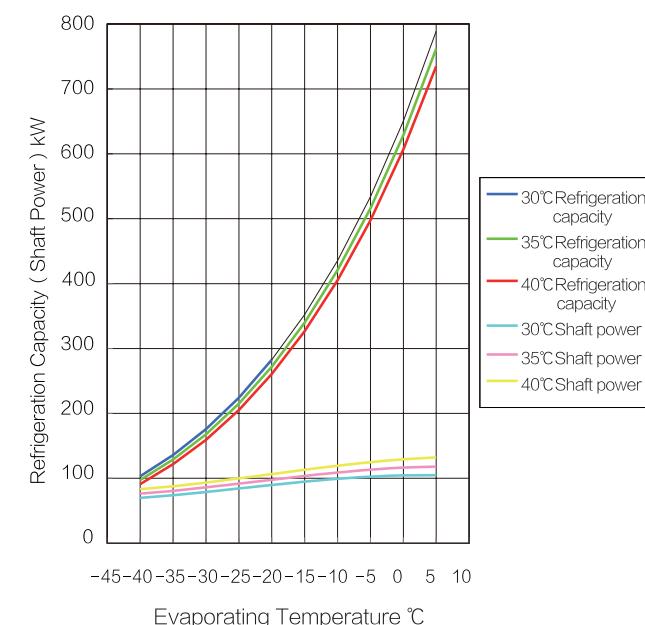
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 5°C;

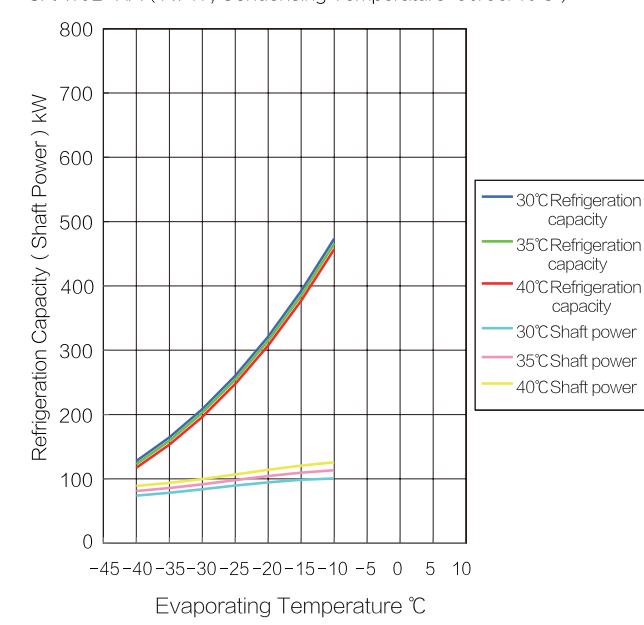
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

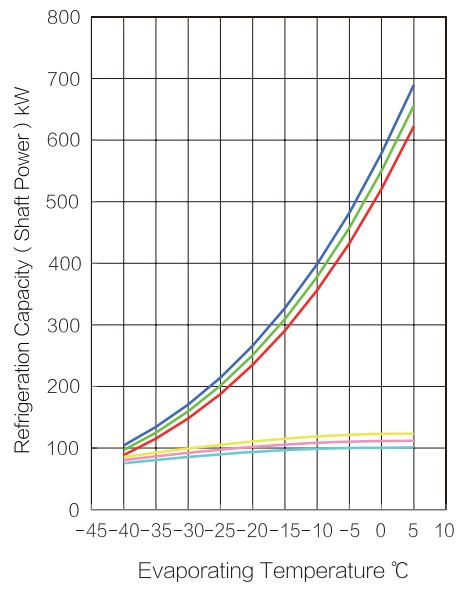


## 16L series single stage compressor package performance PARAMETERS and curve

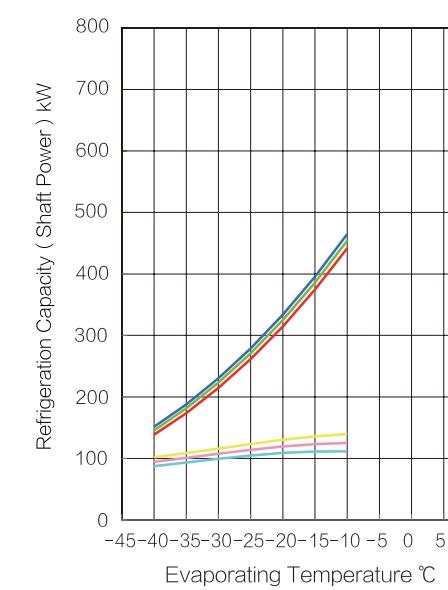
Tc \ Te	SNH16L-HA(R22)						SAH16L-HA(R22)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power	Refrigeration Capacity		Shaft Power
	+30	+35	+40	+30	+35	+40	+30	+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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

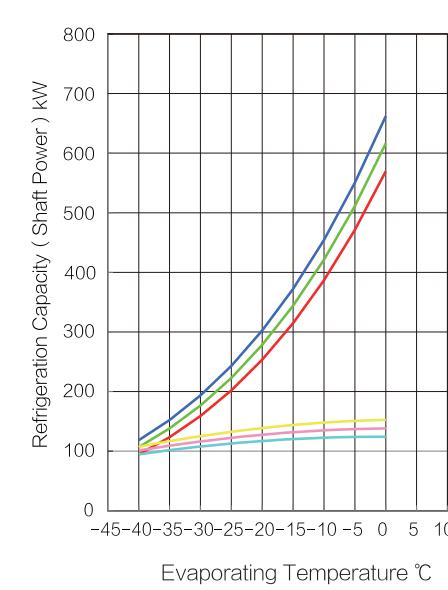


## 16L series single stage compressor package performance PARAMETERS and curve

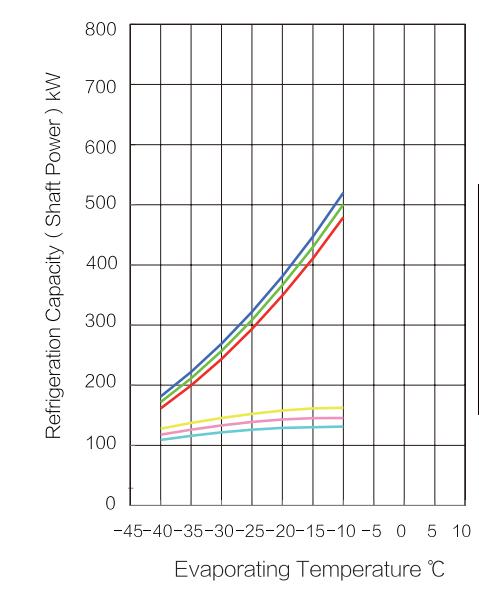
Tc \ Te	SNP16L-HA(R507A)						SAP16L-HA(R507A)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power	Refrigeration Capacity		Shaft Power
	+30	+35	+40	+30	+35	+40	+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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 20 series single stage compressor package PARAMETERS

Item		Unit	20 Series																	
Compressor	Model		SRM-20S		SRM-20M		SRM-20L		SRM-20LL											
	Theoretical Displacement	m³/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											
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										
<p>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.</p> <p>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.</p> <p>3. Oil cooling method can be either water cooling or working medium cooling, Snowman recommends to use water cooling.</p> <p>4. ECO means the package with economizer</p>																				

## 20S series single stage compressor package performance PARAMETERS and curve

Tc Te	SNA20S-HA(R717)						SAA20S-HA(R717)											
	Without Economizer			With Economizer			Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	+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												

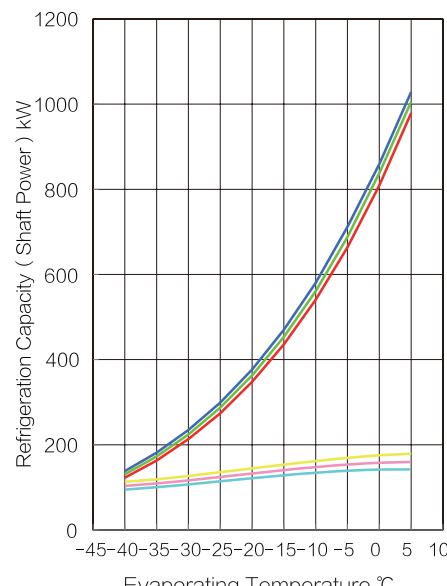
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 5°C;

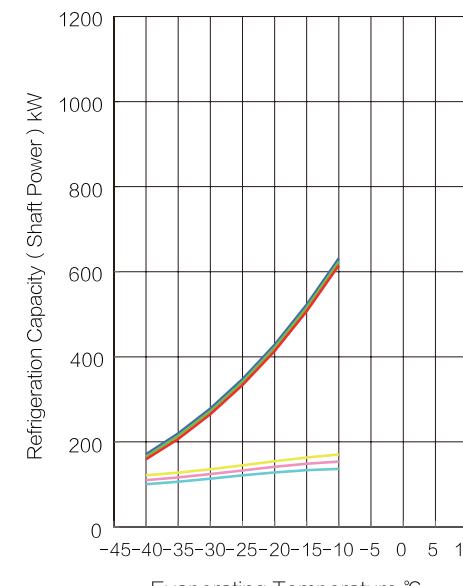
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



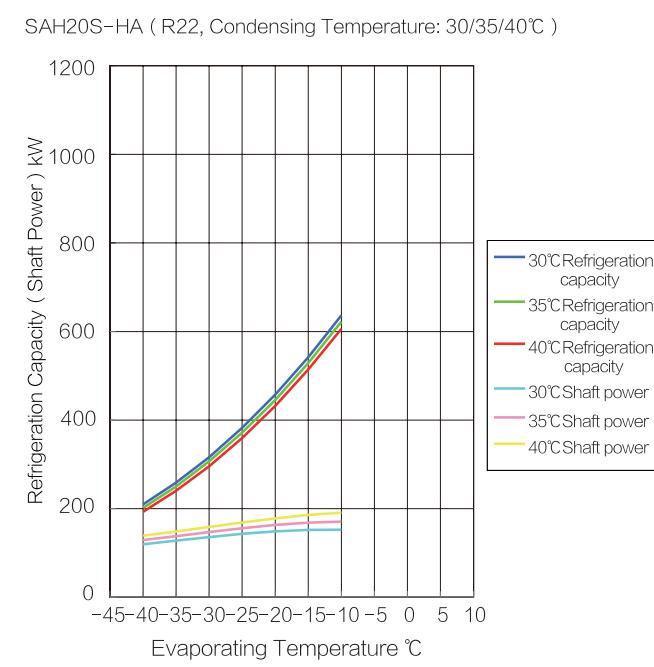
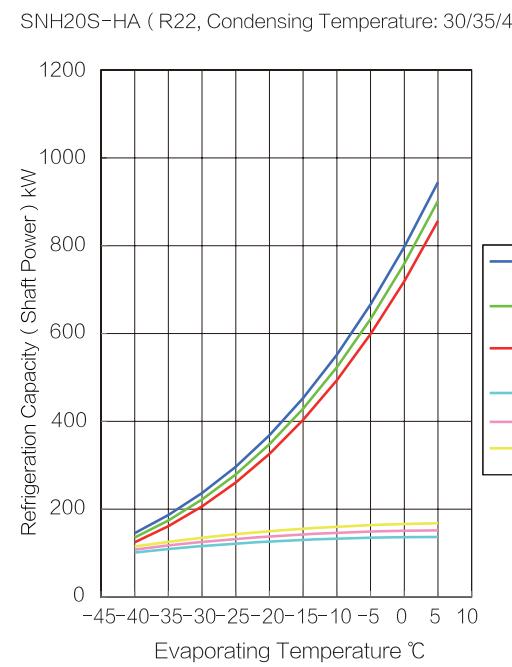
SAA20S-HA ( R717, Condensing Temperature: 30/35/40°C )



20S series single stage compressor package performance PARAMETERS and curve

Tc		SNH20S-HA(R22)						SAH20S-HA(R22)					
		Without Economizer			With Economizer								
		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power					
Tc	Te	+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							

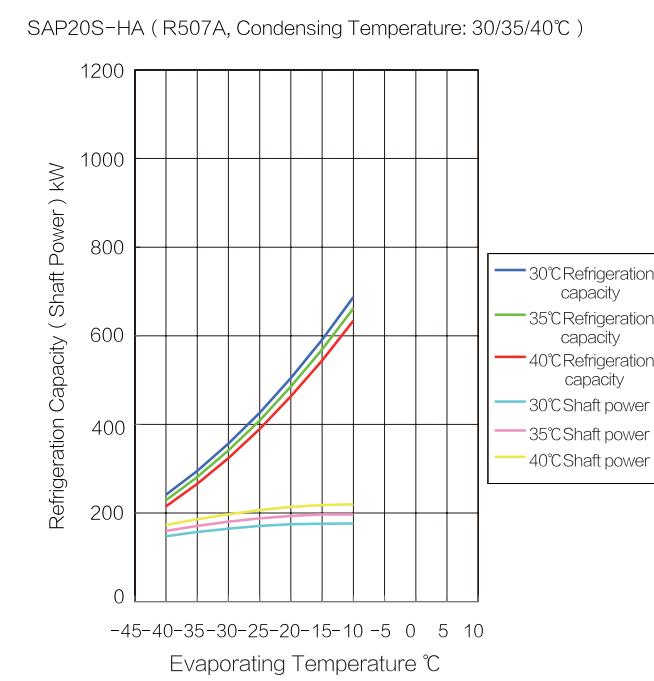
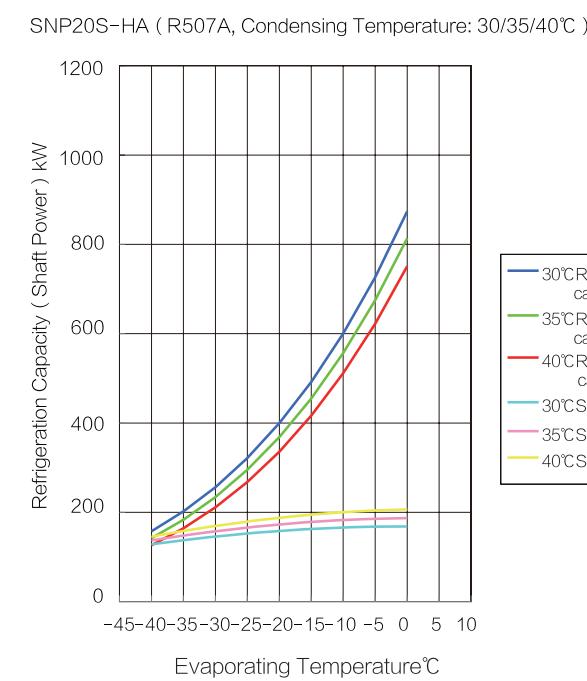
Note: 1. Rotation speed 2960rpm;  
 2. Suction superheat 10°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.



20S series single stage compressor package performance PARAMETERS and curve

Tc		SNP20S-HA(R507A)						SAP20S-HA(R507A)					
		Without Economizer			With Economizer								
		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power	
Tc	Te	+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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.



## 20M series single stage compressor package performance PARAMETERS and curve

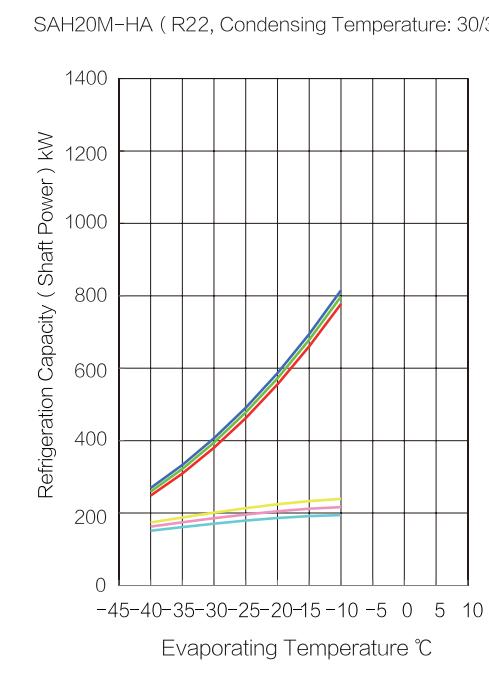
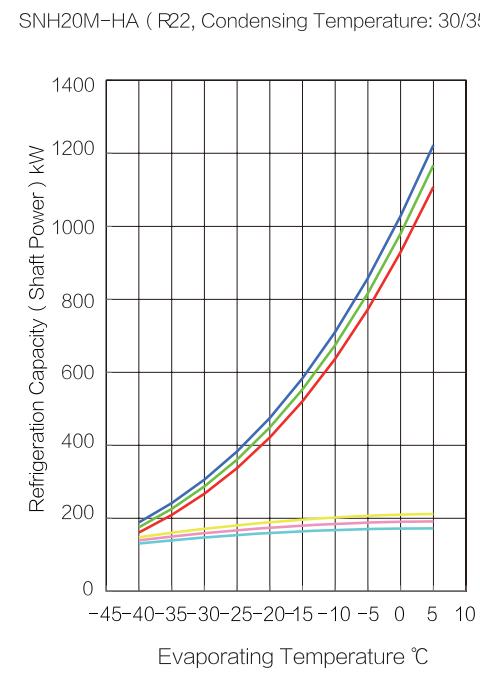
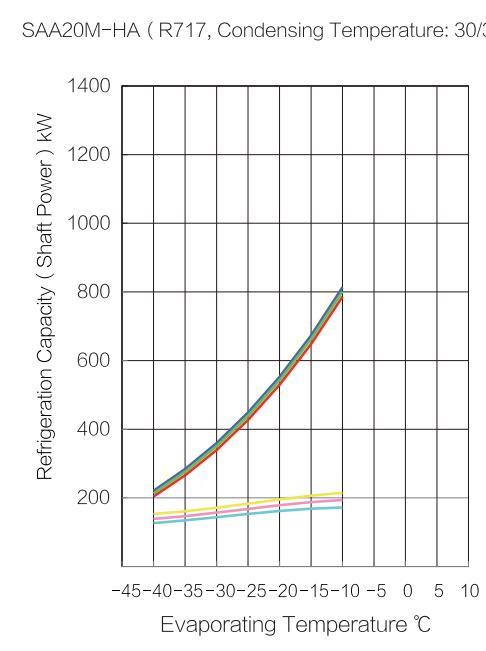
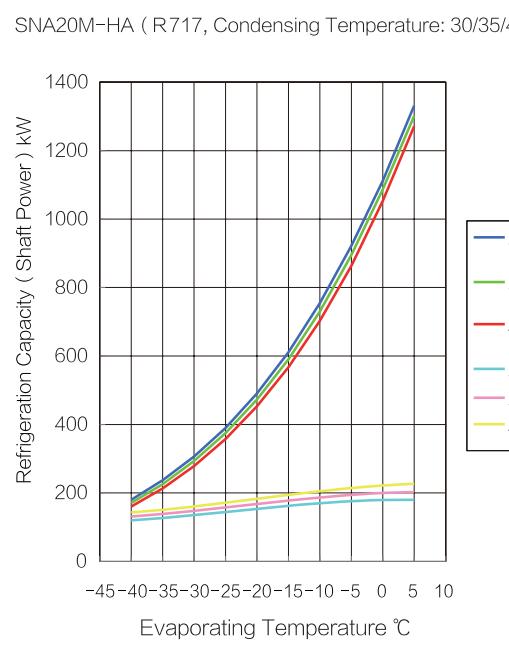
Tc Te	SNA20M-HA(R717)						SAA20M-HA(R717)					
	Without Economizer			With Economizer			Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power	
+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30
-40	180.3	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

## 20M series single stage compressor package performance PARAMETERS and curve

Tc Te	SNH20M-HA(R22)						SAH20M-HA(R22)					
	Without economizer			With economizer			Without economizer			With economizer		
	Refrigeration capacity		Shaft power		Refrigeration capacity		Shaft power		Refrigeration capacity		Shaft power	
+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30
-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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.



20M series single stage compressor package performance PARAMETERS and curve

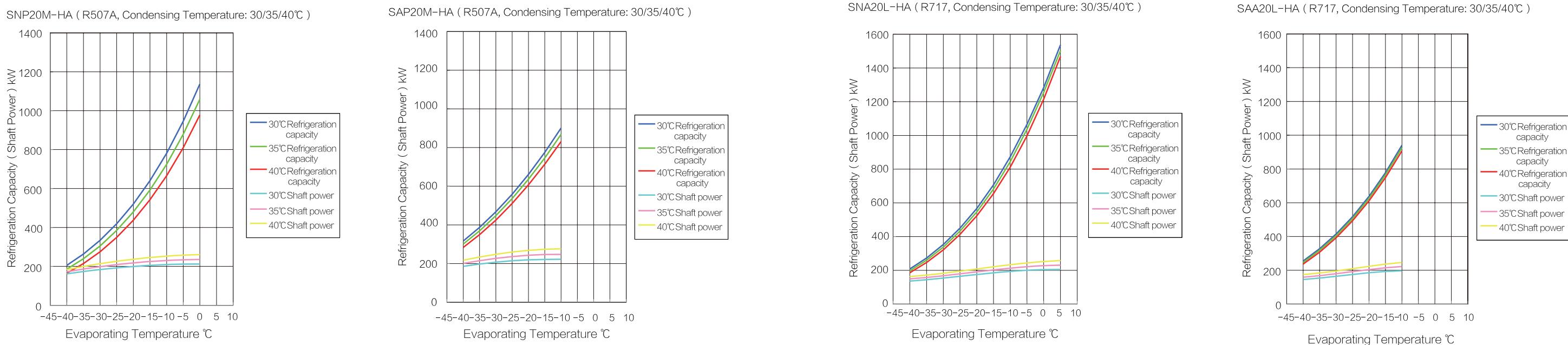
Tc Te	SNP20M-HA(R507A)						SAP20M-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	
-40	205.7	185.7	165.2	161.9	172.6	183.6	317.0	301.3	283.4	185.7	200.9	217.6
-35	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	Without Economizer					
0	1136.9	1058.6	978.2	212.3	235.6	260.4	With Economizer					
5	-	-	-	-	-	-	Without Economizer					

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

20L series single stage compressor package performance PARAMETERS and curve

Tc Te	SNA20L-HA(R717)						SAA20L-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	
-40	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	Without Economizer					
0	1283.7	1254.9	1214.4	204.3	227.7	252.5	With Economizer					
5	1537.0	1502.7	1468.0	204.8	230.7	258.2	Without Economizer					

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

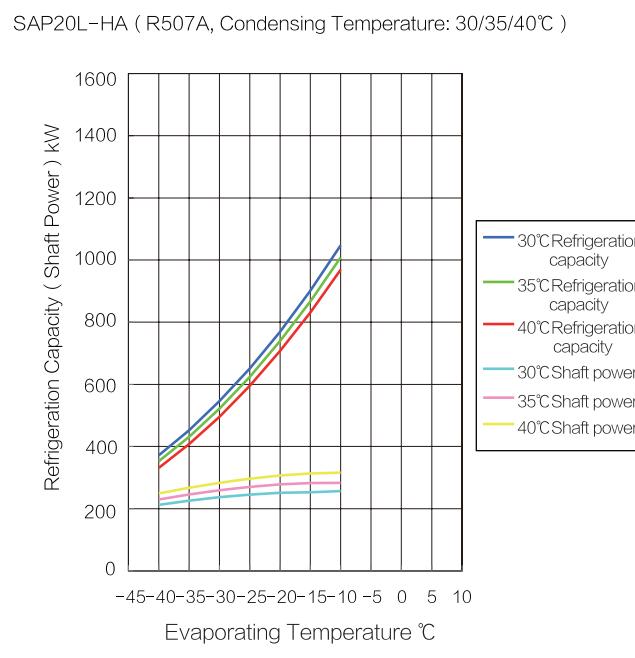
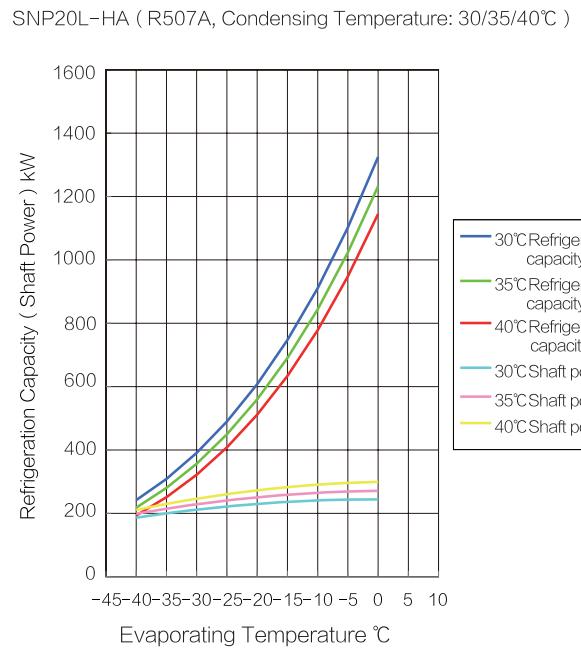
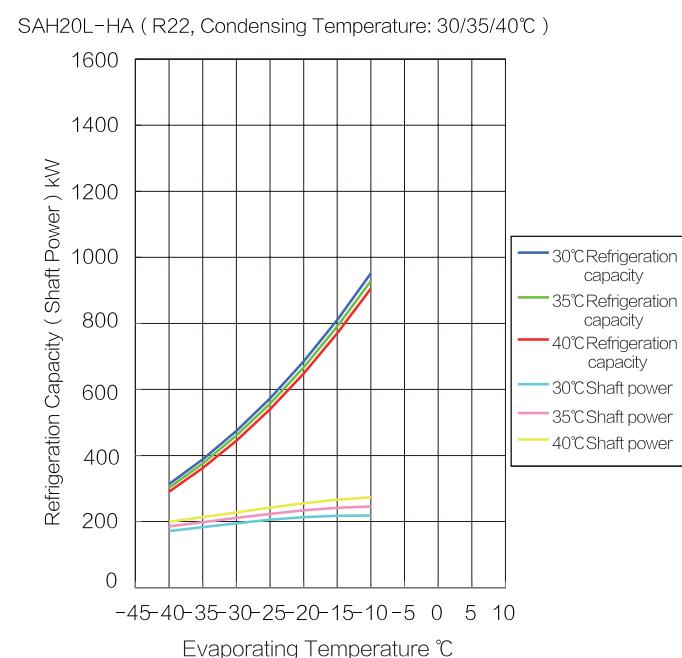
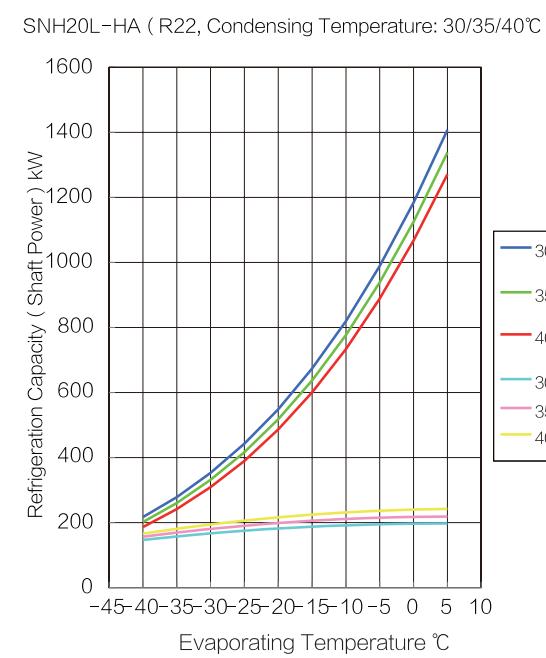


20L series single stage compressor package performance PARAMETERS and curve

Note: 1. Rotation speed 2960rpm;  
2. Suction superheat 10°C;  
3.  $T_c$ —condensing temperature °C,  $T_e$ —evaporating temperature °C  
4. Refrigeration capacity ( shaft power ), unit kW.

20L series single stage compressor package performance PARAMETERS and curve

Note: 1. Rotation speed 2960rpm;  
2. Suction superheat 10°C;  
3.  $T_c$ —condensing temperature °C,  $T_e$ —evaporating temperature °C;  
4. Refrigeration capacity ( shaft power ), unit kW.



## 20LL series single stage compressor package performance PARAMETERS and curve

Tc	SNA20LL-HA(R717)						SAA20LL-HA(R717)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
Te	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		
Te	+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							

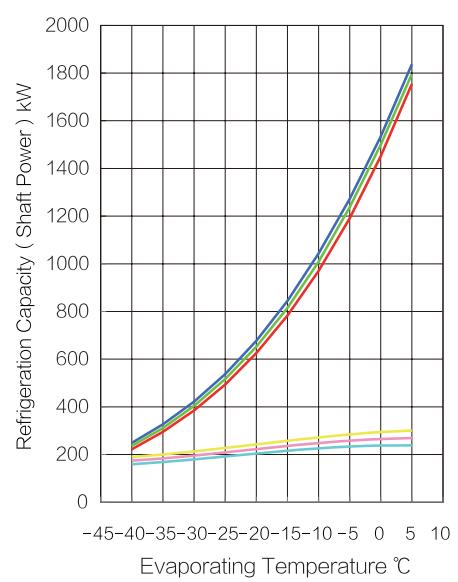
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 5°C;

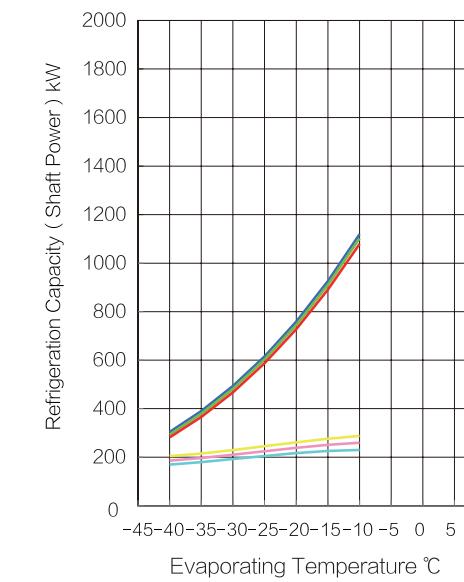
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 20LL series single stage compressor package performance PARAMETERS and curve

Tc	SNH20LL-HA(R22)						SAH20LL-HA(R22)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
Te	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		
Te	+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							

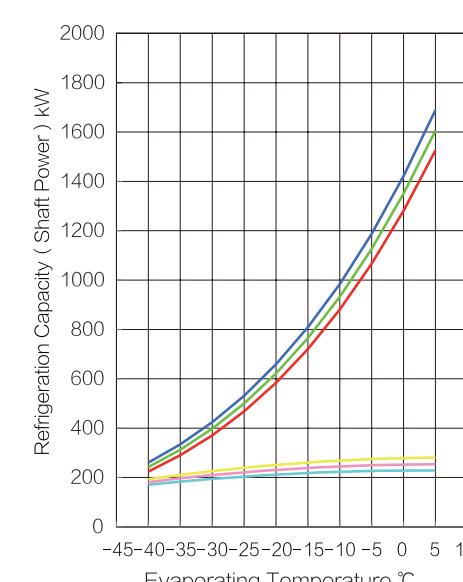
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 10°C;

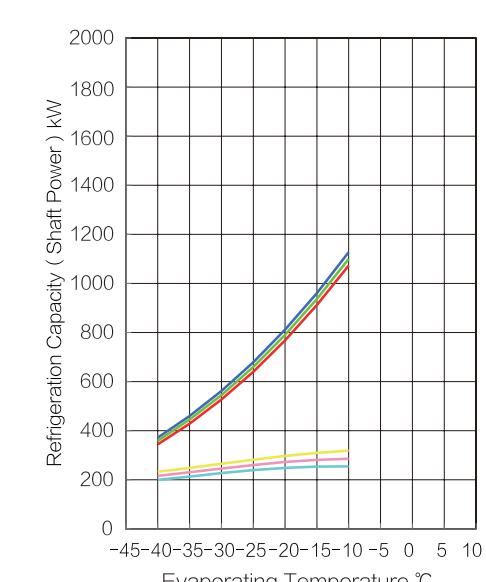
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

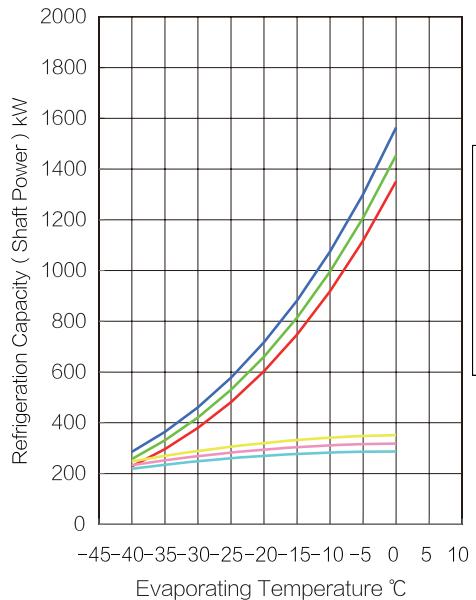


## 20LL series single stage compressor package performance PARAMETERS and curve

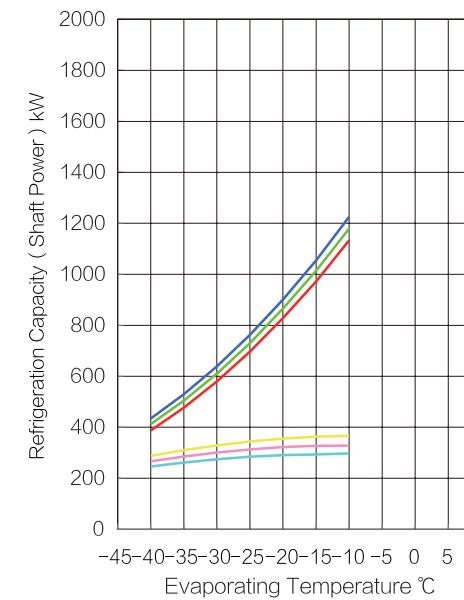
Tc	SNP20LL-HA(R507A)						SAP20LL-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
Te	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	285.2	257.2	228.4	218.7	233.2	248.0	434.7	412.5	387.5	246.3	266.6	288.6
-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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



SAP20LL-HA ( R507A, Condensing Temperature: 0/35/40°C )



## 26 series single stage compressor package PARAMETERS and curve

Compressor	Item		Unit	26 Series																
	Model	SRM-26S		SRM-26M				SRM-26L		SRM-26LL										
				Theoretical Displacement	m³/h	1665	2081	2482	2944											
Refrigerant	Type	R717	R22	R507A	R717	R22	R507A	R717	R22	R507A	R717	R22								
Refrigeration Capacity	High temperature working condition	kW	1970	1720	-	2463	2166	-	2932	2596	-	3504								
	Medium temperature working condition	kW	890	820	911	1110	1029	1143	1326	1235	1369	1585								
	Low temperature working condition(ECO)	kW	424	484	570	533	626	713.9	644	745	862	768	893							
Motor	High temperature working condition	kW	315	315	-	400	400	-	500	500	-	560								
	Medium temperature working condition	kW	315	315	400	355	400	500	450	450	560	500	710							
	Low temperature working condition(ECO)	kW	250	280	400	315	400	450	355	450	560	450	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		HJ4195									
	Motor Power	kW	1.5		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		540									
External Connecting Pipe Size	Suction Pipe	mm	DN250		DN250		DN250		DN250		DN250									
	Discharge pipe	mm	DN125		DN125		DN125		DN125		DN150									
	High/medium temperature	mm	DN80		DN100		DN100		DN100		DN125									
	Low temperature	mm																		

26S series single stage compressor package performance PARAMETERS and curve

Tc \ Te	SNA26S-HA(R717)						SAA26S-HA(R717)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		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°C;

3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

26S series single stage compressor package performance PARAMETERS and curve

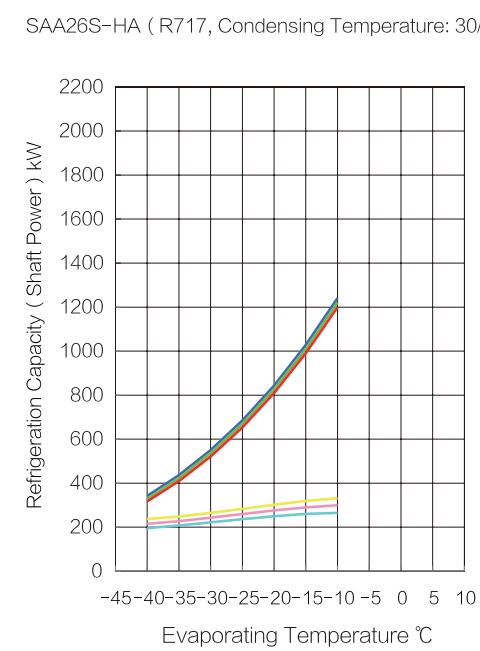
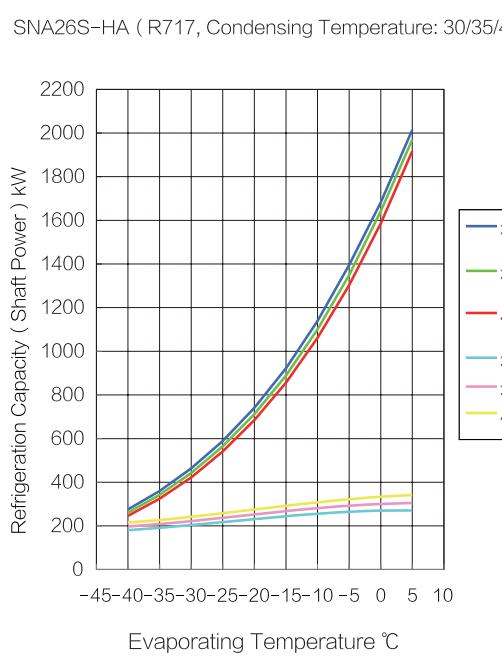
Tc \ Te	SNH26S-HA(R22)						SAH26S-HA(R22)									
	Without Economizer			With Economizer				Without Economizer				With Economizer				
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power	
	+30	+35	+40	+30	+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°C;

3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

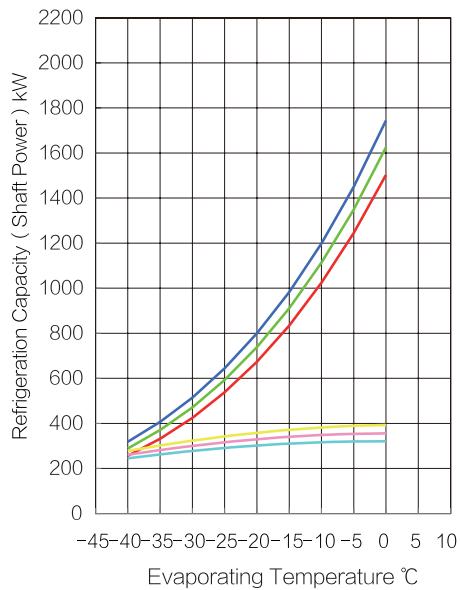


26S series single stage compressor package performance PARAMETERS and curve

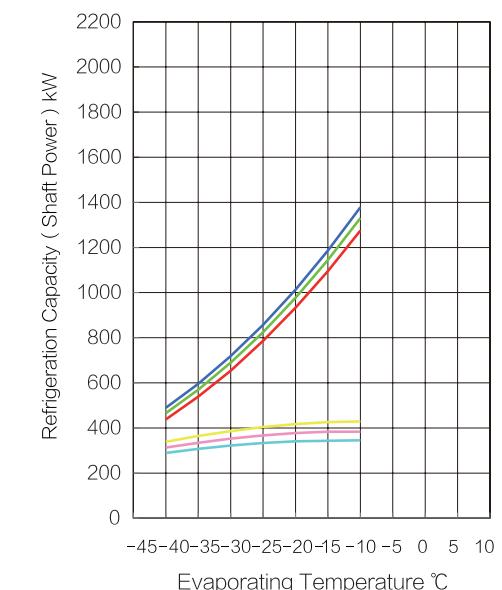
Tc \ Te	SNP26S-HA(R507A)						SAP26S-HA(R507A)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	
-40	318.2	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

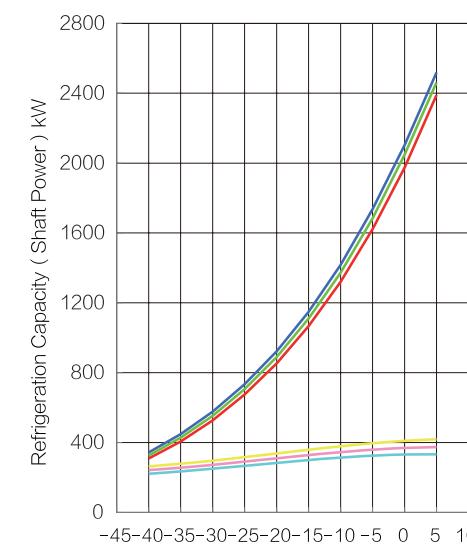


26M series single stage compressor package performance PARAMETERS and curve

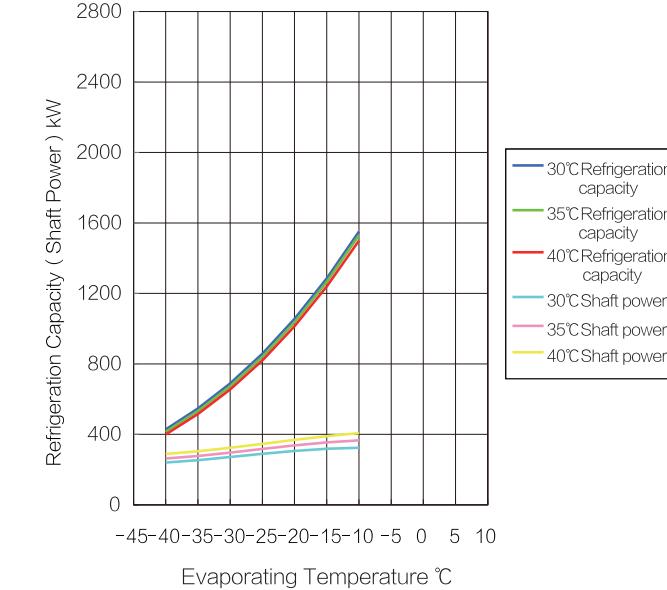
Tc \ Te	SNA26M-HA(R717)						SAA26M-HA(R717)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		
	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	
-40	343.2	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 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°C;

3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

## 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	-	-	-	-	-	-						

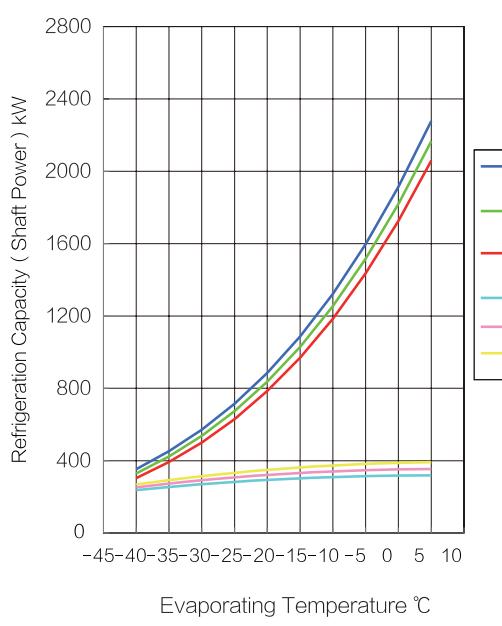
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 10°C;

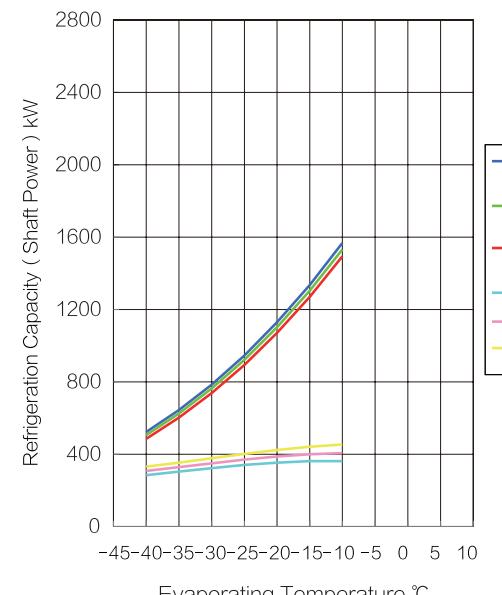
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

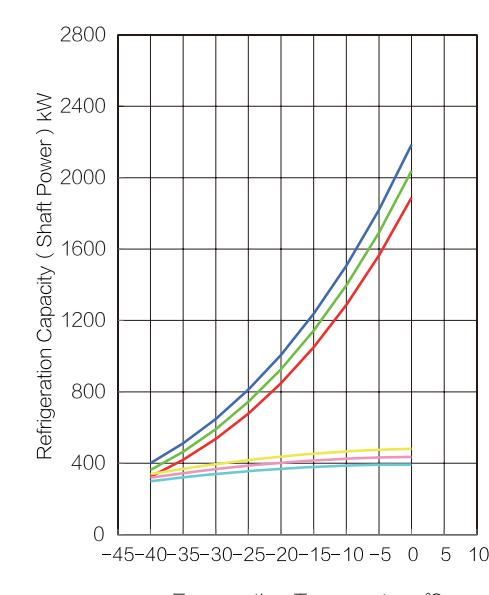
SNH26M-HA ( R22, Condensing Temperature: 30/35/40°C )



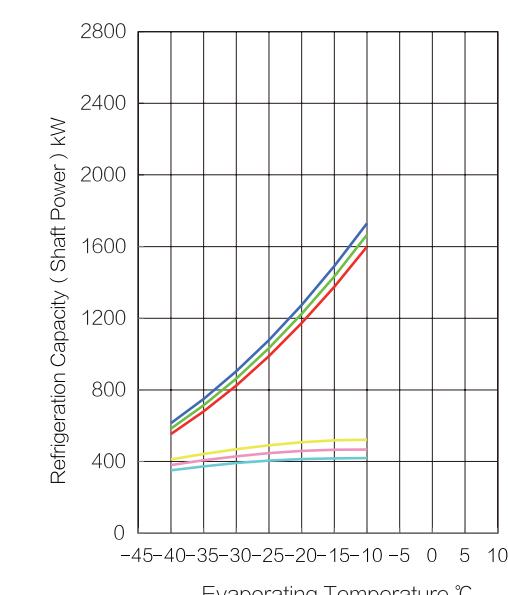
SAH26M-HA ( R22, Condensing Temperature: 30/35/40°C )



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



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



26L series single stage compressor package performance PARAMETERS and curve

Tc		SNA26L-HA(R717)						SAA26L-HA(R717)					
		Without Economizer			With Economizer								
		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power					
Te	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30
-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°C;

3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

26L series single stage compressor package performance PARAMETERS and curve

Tc		SNH26L-HA(R22)						SAH26L-HA(R22)					
		Without Economizer			With Economizer								
		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power	
Te	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30
-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							

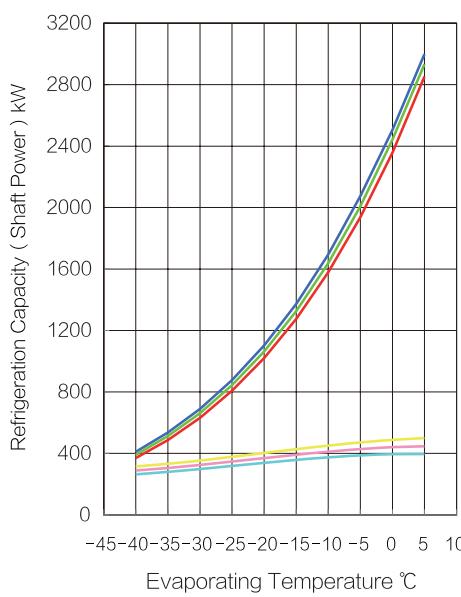
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 10°C;

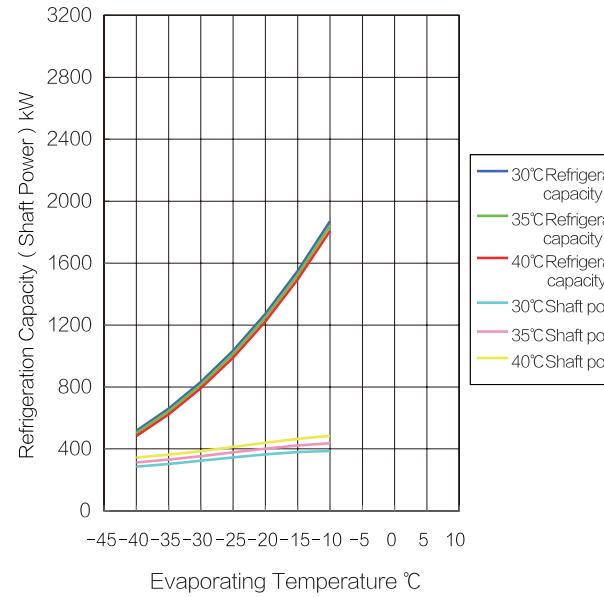
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

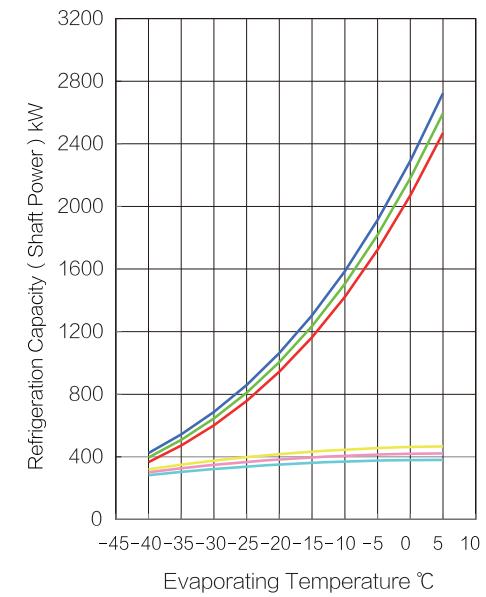
SNA26L-HA ( R717, Condensing Temperature: 30/35/40°C )



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



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

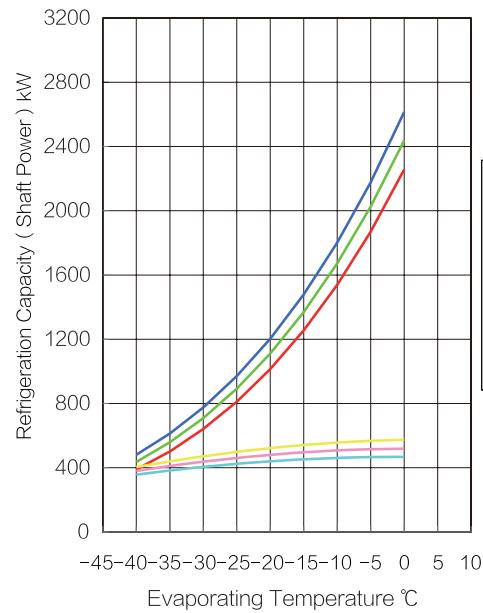


26L series single stage compressor package performance PARAMETERS and curve

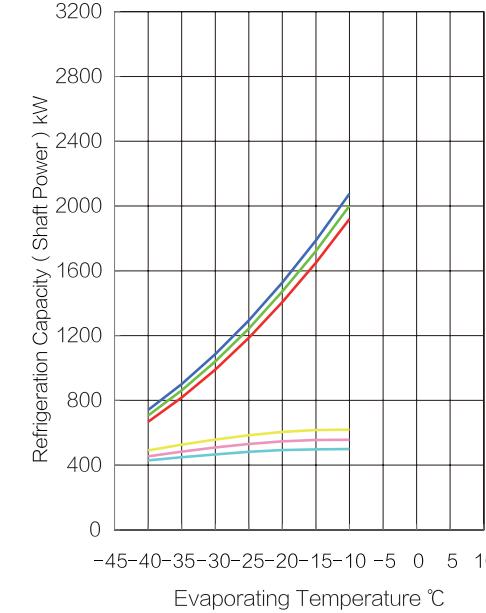
Tc \ Te	SNP26L-HA(R507A)						SAP26L-HA(R507A)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		Refrigeration Capacity		Shaft Power		
Te	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	
-40	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

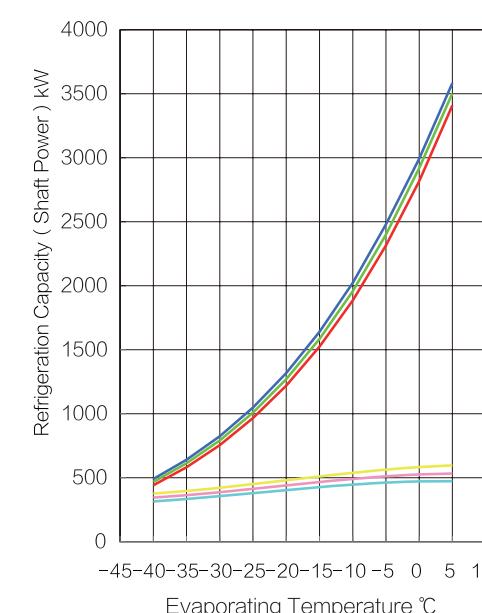


26LL series single stage compressor package performance PARAMETERS and curve

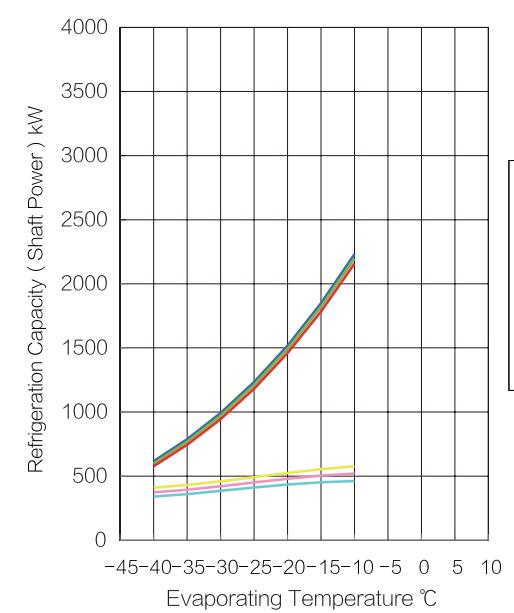
Tc \ Te	SNA26LL-HA(R717)						SAA26LL-HA(R717)								
	Without Economizer			With Economizer				Without Economizer				With Economizer			
	Refrigeration Capacity		Shaft Power			Refrigeration Capacity		Shaft Power				Refrigeration Capacity		Shaft Power	
Te	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	+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	490.9	467.6	441.9
-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	640.8	612.9	582.2
-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	824.6	791.4	755.0
-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	1048.0	1008.7	965.6
-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	1317.5	1270.8	1219.9
-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	1640.1	1584.6	1524.3
-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	2024.2	1957.8	1886.4
-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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

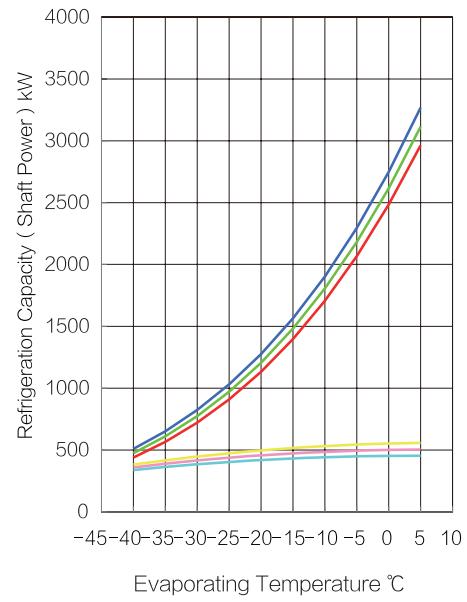


26LL series single stage compressor package performance PARAMETERS and curve

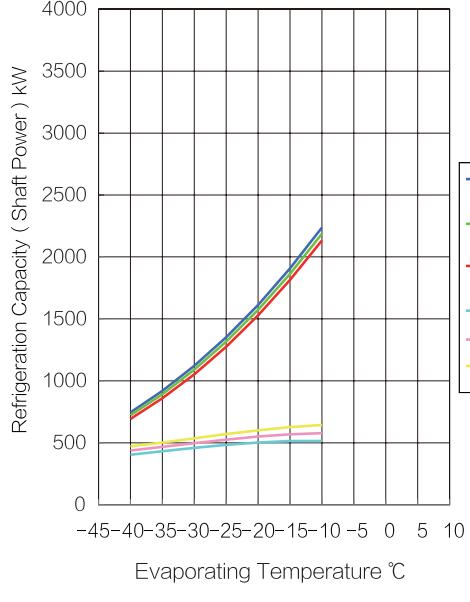
Tc Te	SNH26LL-HA(R22)						SAH26LL-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	
-40	508.8	474.7	438.2	336.9	359.3	381.8	745.8	721.6	692.5	404.1	437.3	471.1
-35	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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

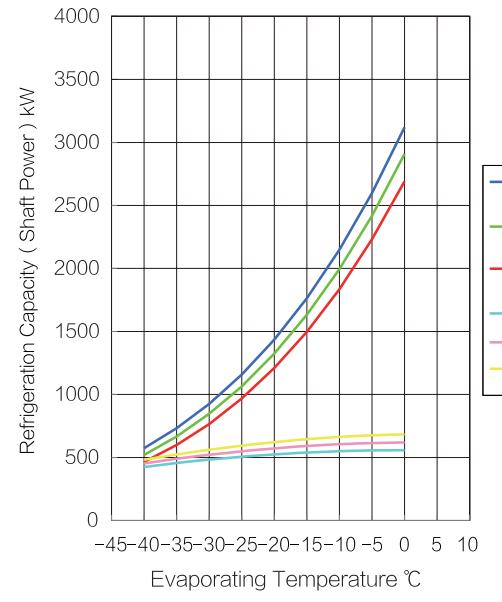


26LL series single stage compressor package performance PARAMETERS and curve

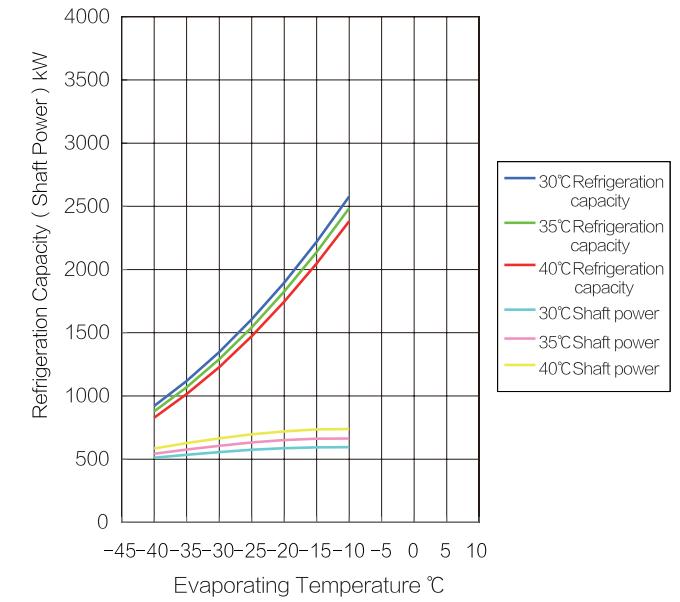
Tc Te	SNP26LL-HA(R507A)						SAP26LL-HA(R507A)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40	
-40	573.8	519.9	464.1	425.2	453.3	482.2	919.9	877.0	828.3	511.5	542.1	584.7
-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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 34 series single stage compressor package PARAMETERS

Item		Unit	34 Series																			
Compressor	Model		SRM-34S		SRM-34M		SRM-34L		SRM-34LL													
	Theoretical Displacement	m³/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													
Overall Dimension	Working Medium	Liquid Inlet Tube	mm	DN80	DN80	DN80	DN80	DN80	DN80	DN80	DN80	DN80	DN80									
		Gas Outlet Pipe	mm	DN125	DN125	DN100	DN125	DN125	DN100	DN125	DN125	DN100	DN125	DN100								
	Water Cooled	Working Medium Consumption Amount	kg/h	2188	10500	9733	2188	10500	9733	2188	10500	9733	2188	10500	9733							
		Water Inlet Pipe	mm	DN125	DN125	DN100	DN125	DN125	DN100	DN125	DN125	DN100	DN125	DN100								
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	SNA34S-HA(R717)						SAA34S-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
Te	+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						

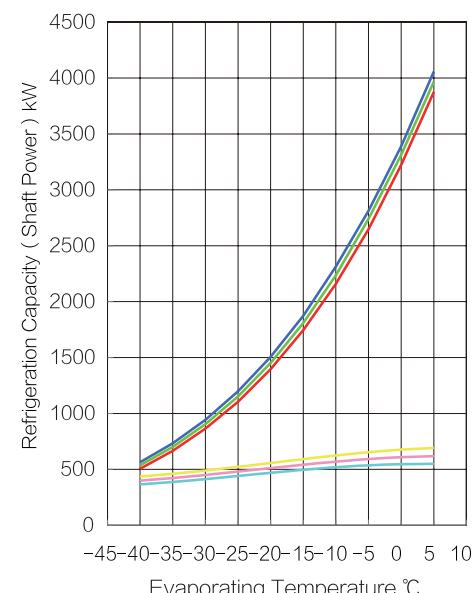
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 5°C;

3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

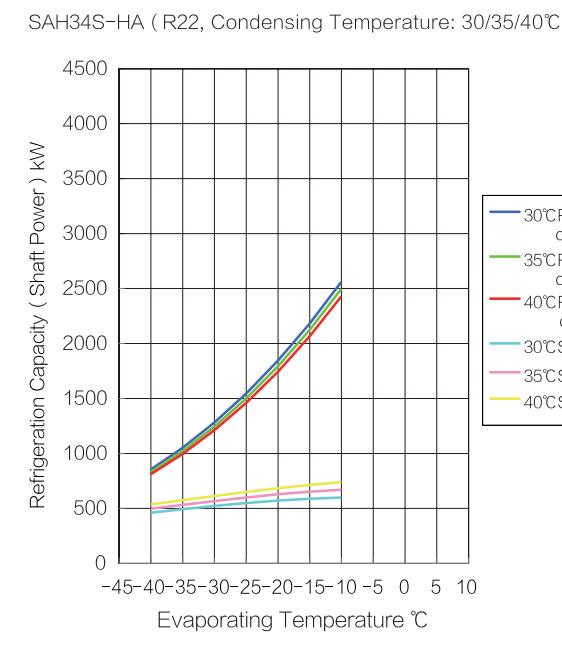
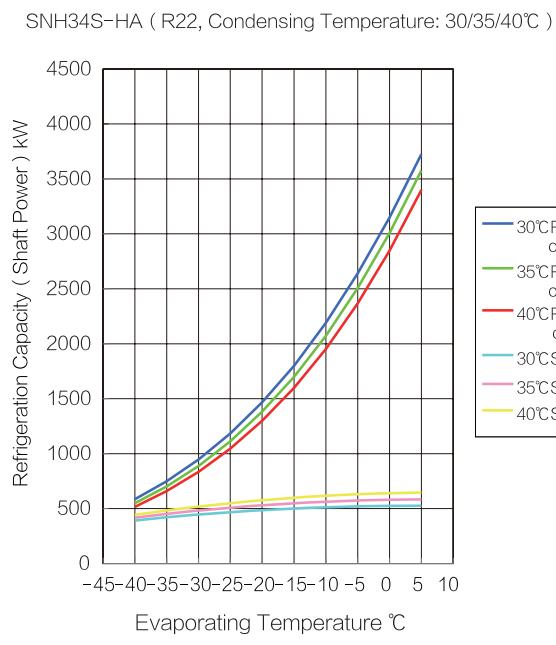
SNA34S-HA ( R717, Condensing Temperature: 30/35/40°C )



34S series single stage compressor package performance PARAMETERS and curve

Tc \ Te	SNH34S-HA(R22)						SAH34S-HA(R22)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		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	/						

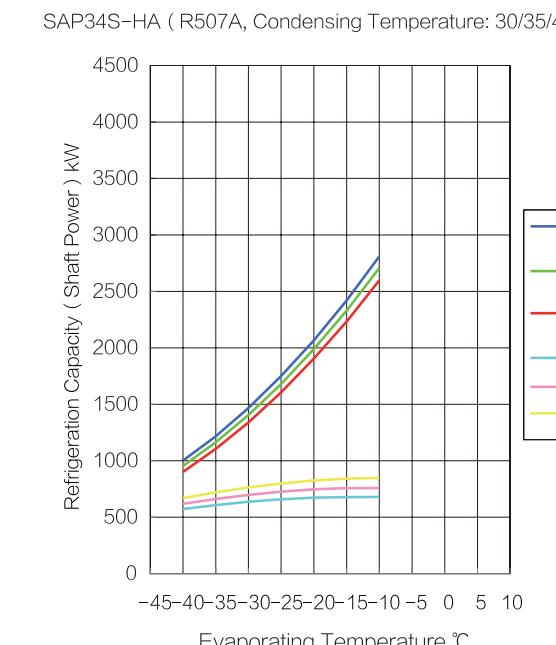
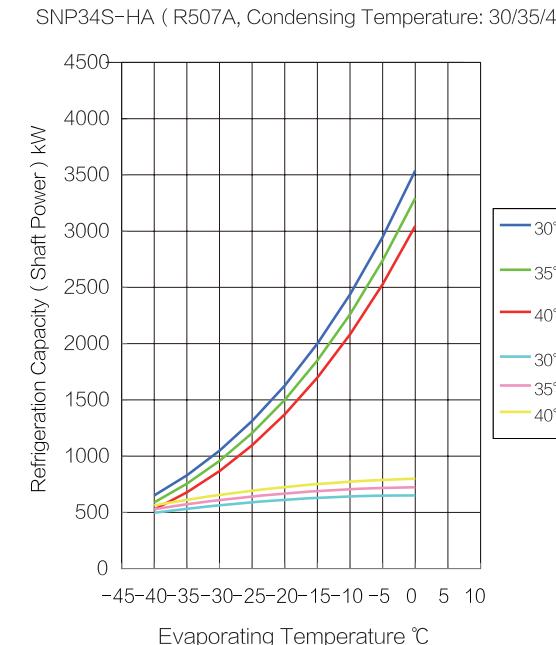
Note: 1. Rotation speed 2960rpm;  
 2. Suction superheat 10°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.



34S series single stage compressor package performance PARAMETERS and curve

Tc \ Te	SNP34S-HA(R507A)						SAP34S-HA(R507A)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power		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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.



34M series single stage compressor package performance PARAMETERS and curve

Tc	SNA34M-HA(R717)						SAA34M-HA(R717)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
Te	+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						

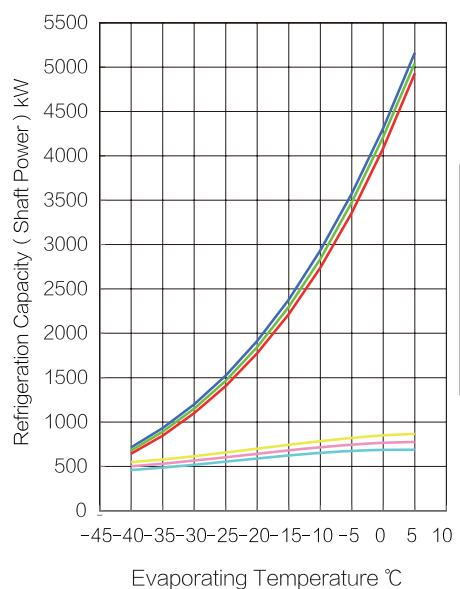
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 5°C;

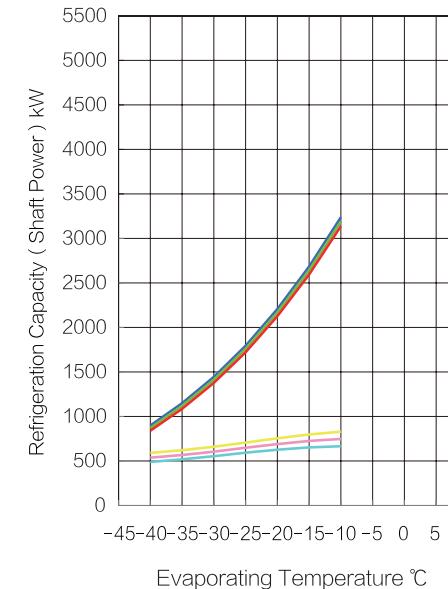
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



34M series single stage compressor package performance PARAMETERS and curve

Tc	SNH34M-HA(R22)						SAH34M-HA(R22)					
	Without Economizer						With Economizer					
	Refrigeration Capacity			Shaft Power			Refrigeration Capacity			Shaft Power		
Te	+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						

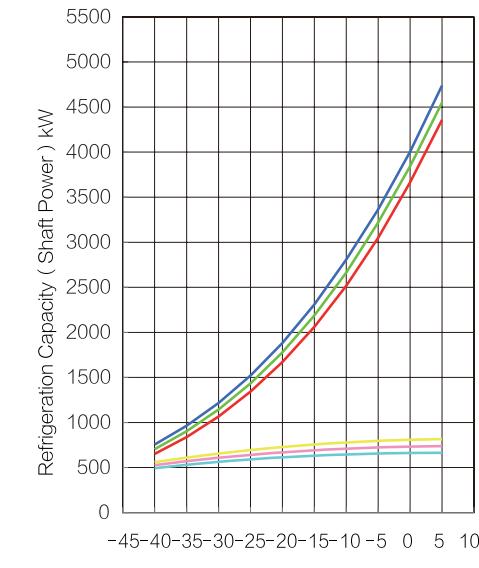
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 10°C;

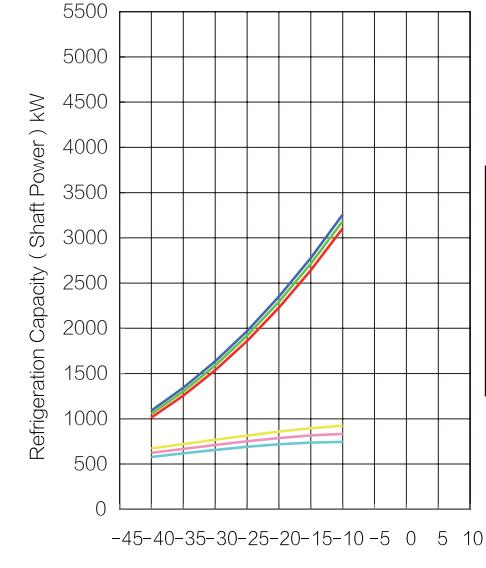
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



34M series single stage compressor package performance PARAMETERS and curve

Tc		SNP34M-HA(R507A)						SAP34M-HA(R507A)					
		Without Economizer			With Economizer			Without Economizer			With Economizer		
Te	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	-	-	-	-	-	-							

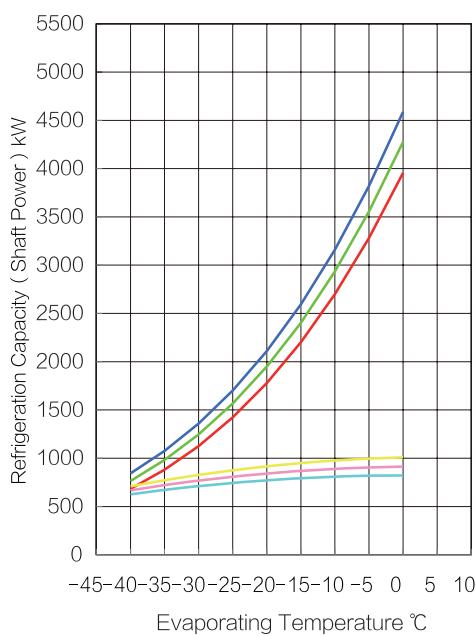
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 10°C;

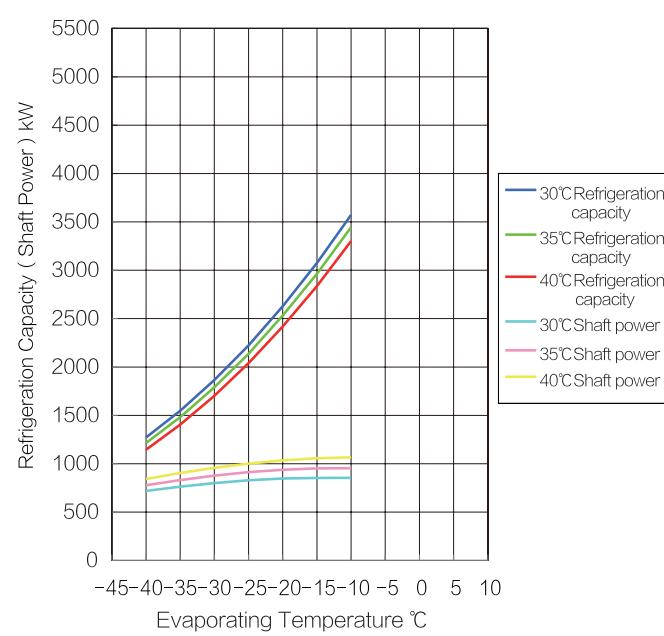
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



34L series single stage compressor package performance PARAMETERS and curve

Tc		SNA34L-HA(R717)						SAA34L-HA(R717)					
		Without Economizer			With Economizer			Without Economizer			With Economizer		
Te	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							

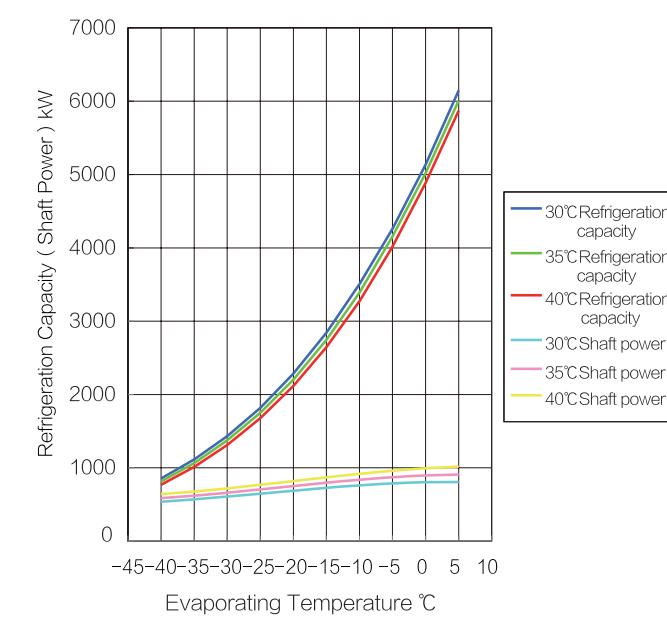
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 5°C;

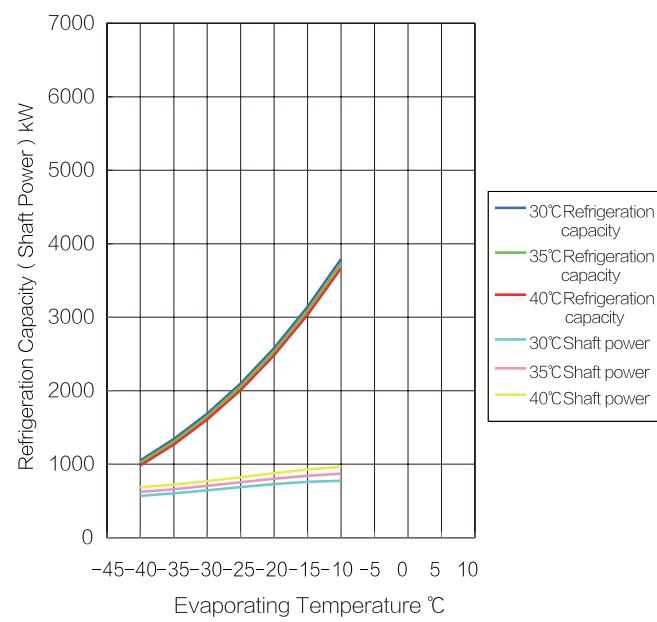
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 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	Without Economizer					
0	4730.4	4502.6	4268.4	771.6	856.7	947.5	With Economizer					
5	5630.0	5363.8	5092.9	776.1	857.3	950.6						

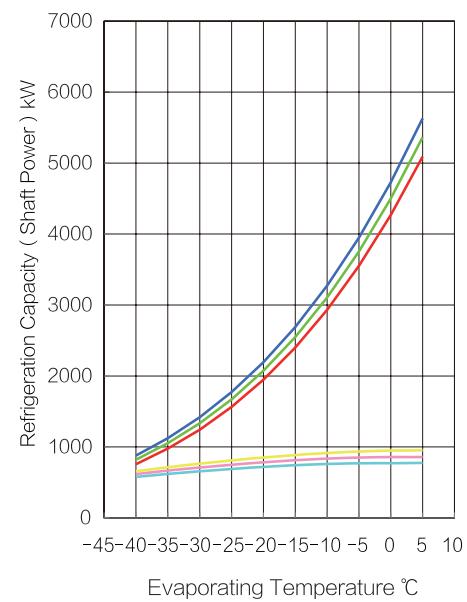
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 10°C;

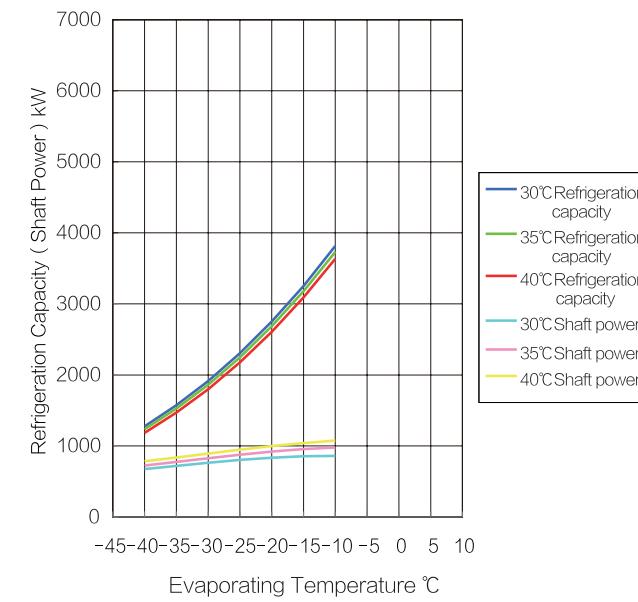
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 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	Without Economizer					
0	5382.1	5014.1	4636.2	958.0	1063.9	1175.6	With Economizer					
5	-	-	-	-	-	-						

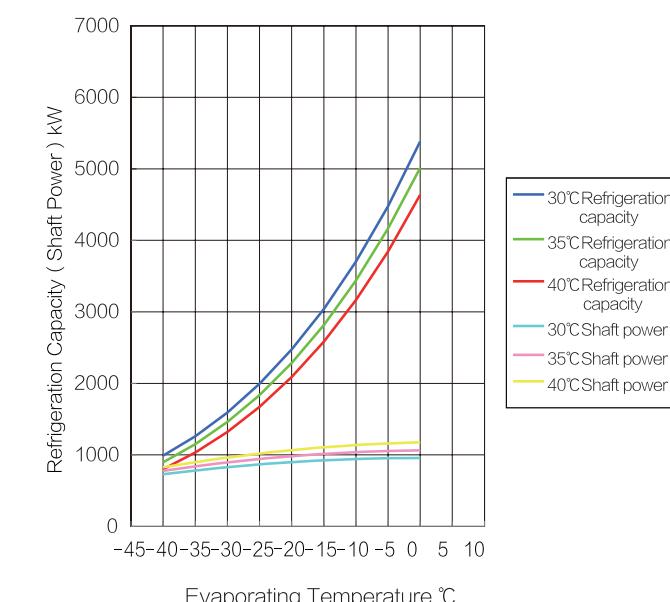
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 10°C;

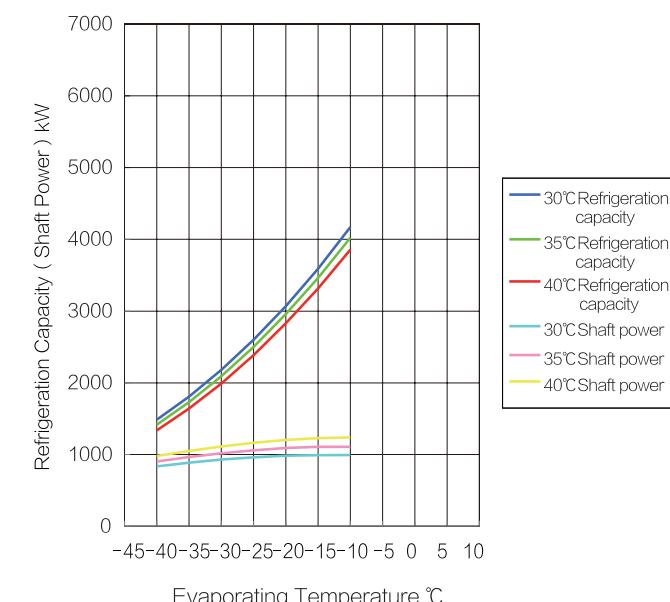
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 34LL series single stage compressor package performance PARAMETERS and curve

Tc \ Te	SNA34LL-HA(R717)						SAA34LL-HA(R717)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power	Refrigeration Capacity		Shaft Power		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							

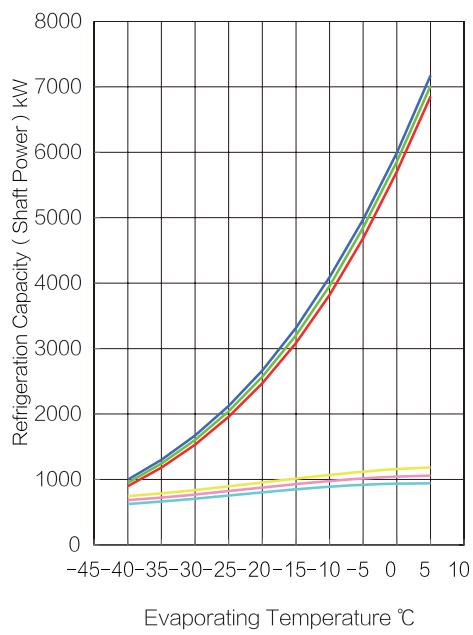
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 5°C;

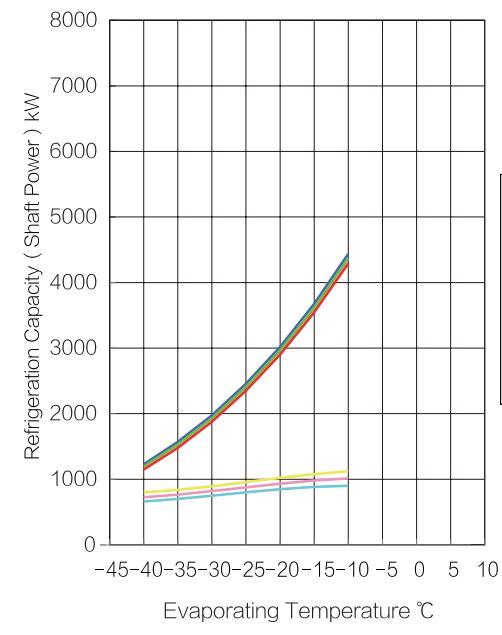
3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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



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



## 34LL series single stage compressor package performance PARAMETERS and curve

Tc \ Te	SNH34LL-HA(R22)						SAH34LL-HA(R22)						
	Without Economizer			With Economizer				Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power	Refrigeration Capacity		Shaft Power		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							

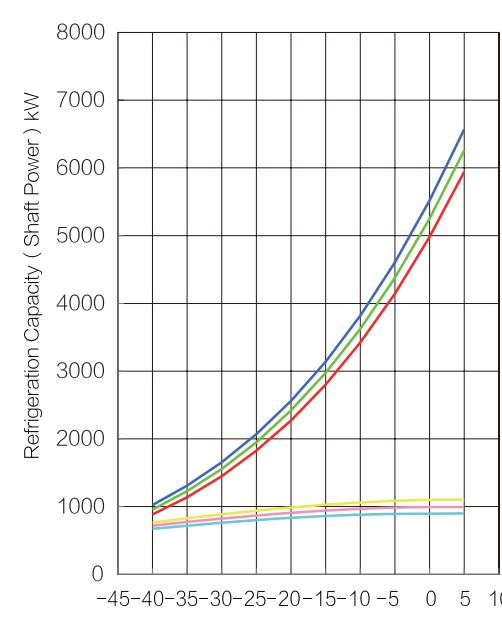
Note: 1. Rotation speed 2960rpm;

2. Suction superheat 10°C;

3. Tc—condensing temperature °C, Te—evaporating temperature °C;

4. Refrigeration capacity ( shaft power ) , unit kW.

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

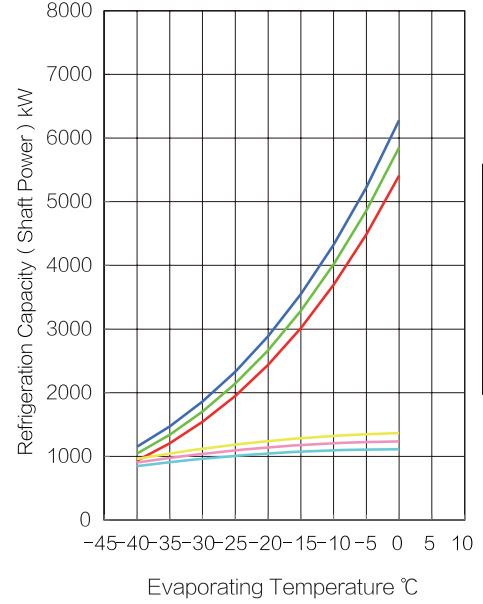


## 34LL series single stage compressor package performance PARAMETERS and curve

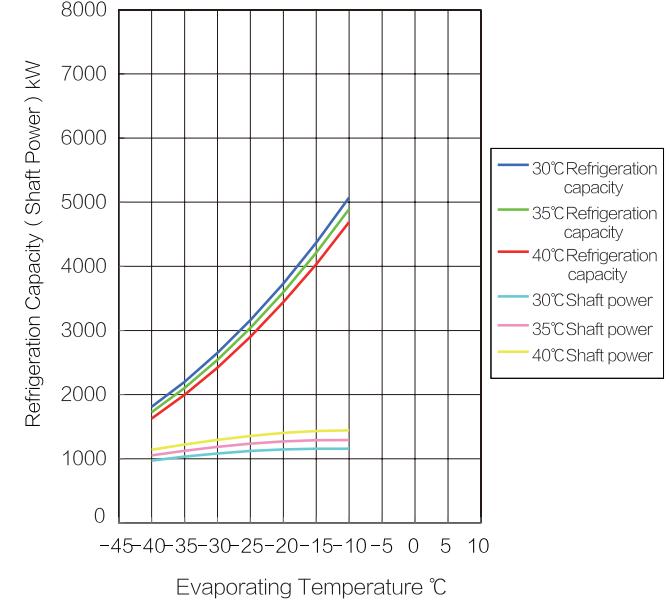
Tc Te	SNP34LL-HA(R507A)						SAP34LL-HA(R507A)					
	Without Economizer			With Economizer			Without Economizer			With Economizer		
	Refrigeration Capacity		Shaft Power									
+30	+30	+35	+40	+30	+35	+40	+30	+35	+40	+30	+35	+40
-40	1154.4	1046.3	934.2	847.6	903.9	961.4	1807.8	1723.0	1626.2	971.3	1051.5	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°C;  
 3. Tc—condensing temperature °C, Te—evaporating temperature °C;  
 4. Refrigeration capacity ( shaft power ) , unit kW.

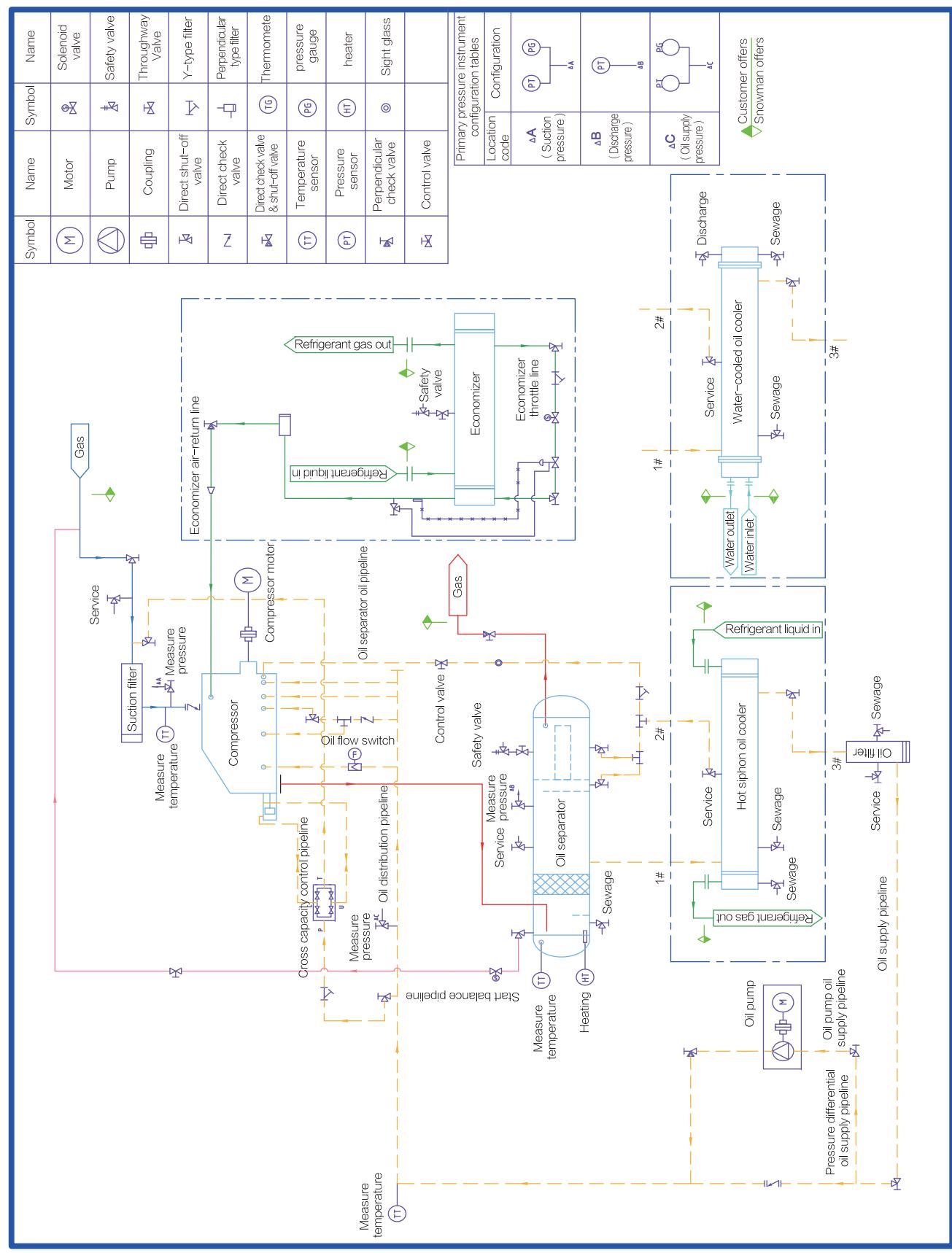
SNP34LL-HA ( R507A, Condensing Temperature: 30/35/40°C )



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

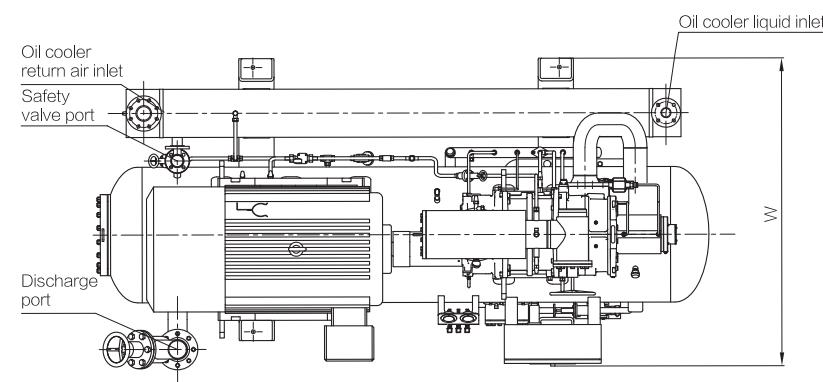
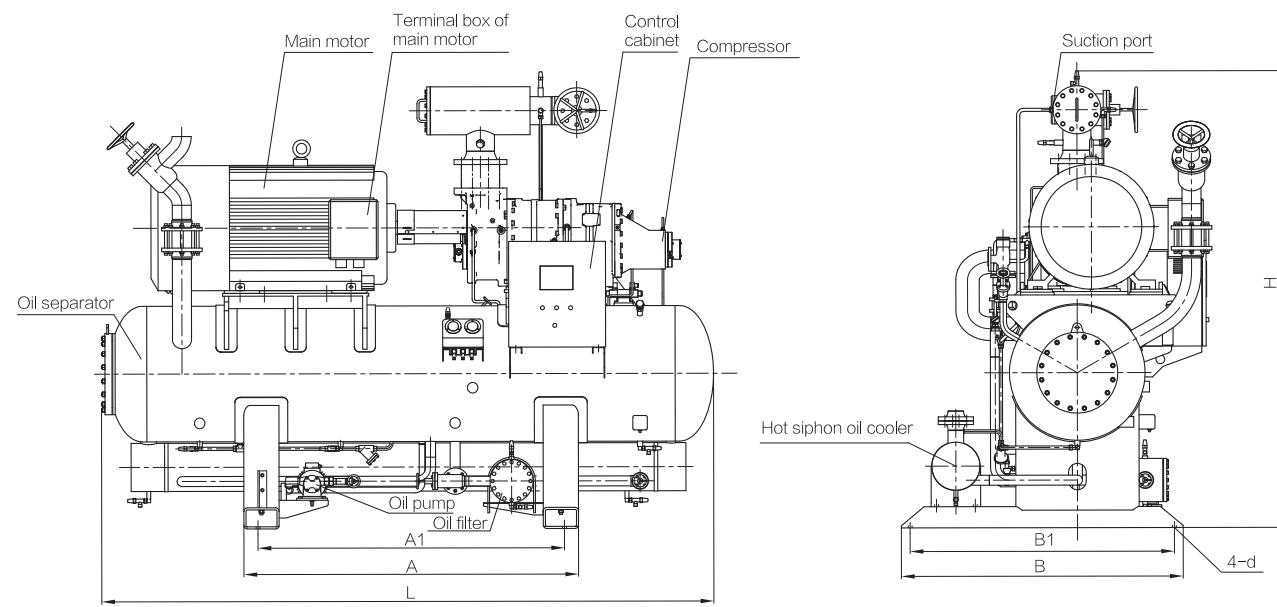


## Single stage compressor package system diagram

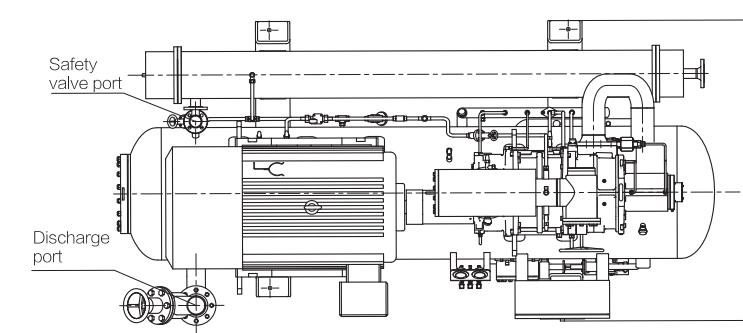
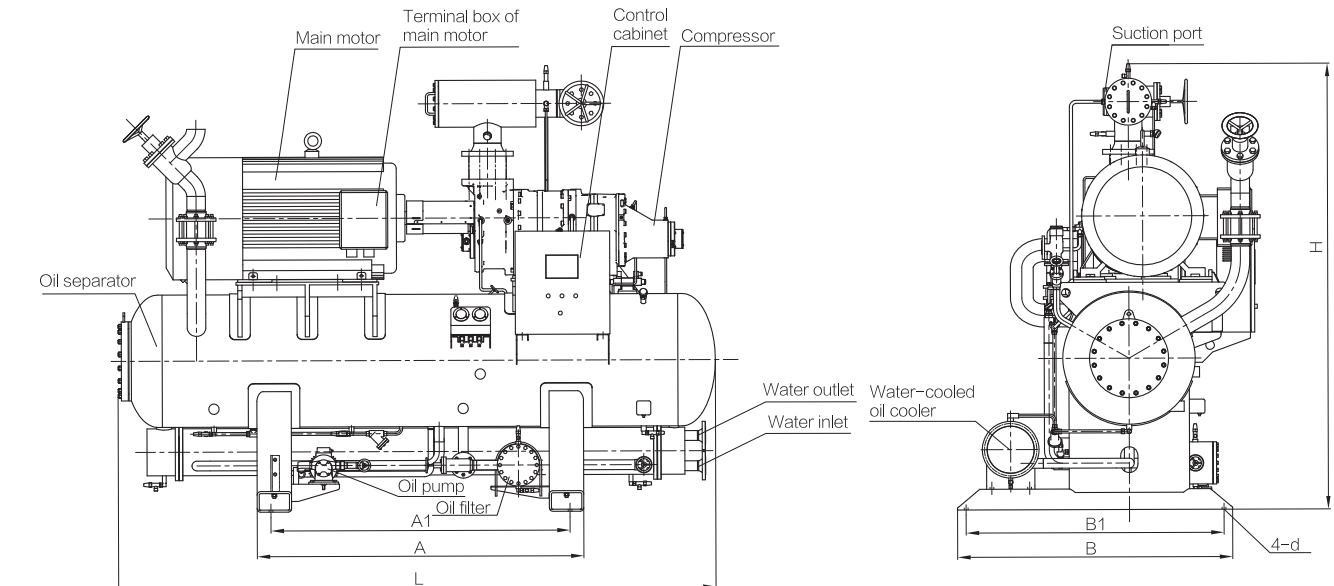


Note: underlined sections are compressor economizer kits. The package shall choose whether equipping with economizer kits or not according to actual running conditions.

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



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
	W	1300	1500	1800	2150
	H	1800	2300	2600	3100
Support	A	1650	1800	1900	2200
	A1	1490	1640	1740	2040
	B	1300	1400	1600	1900
	B1	1200	1300	1500	1800
	d	Ø 22	Ø 22	Ø 22	Ø 22

Note:1. This outline drawing is only for reference, actual package situation shall be defined by detailed design;

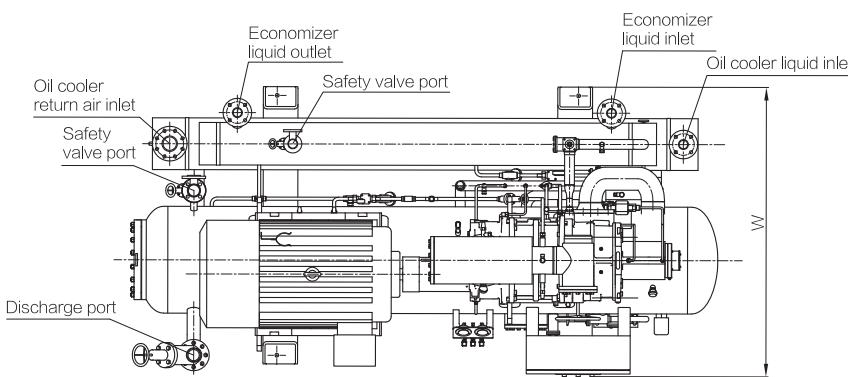
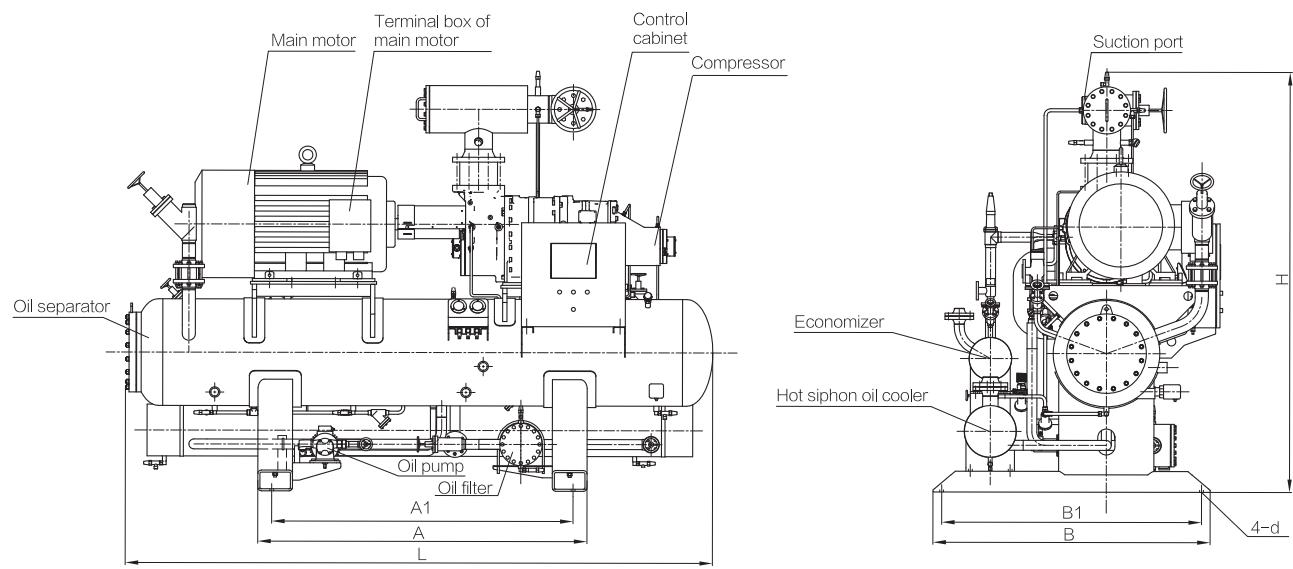
2. For unspecified standard, please perform according to our company's standard.

Dimension \ Model	12 Series	16 Series	20 Series	26 Series	34 Series
Appearance	L	2800	3200	3500	4400
	W	1300	1500	1800	2150
	H	1800	2300	2600	3100
Support	A	1650	1800	1900	2200
	A1	1490	1640	1740	2040
	B	1300	1400	1600	1900
	B1	1200	1300	1500	1800
	d	Ø 22	Ø 22	Ø 22	Ø 22

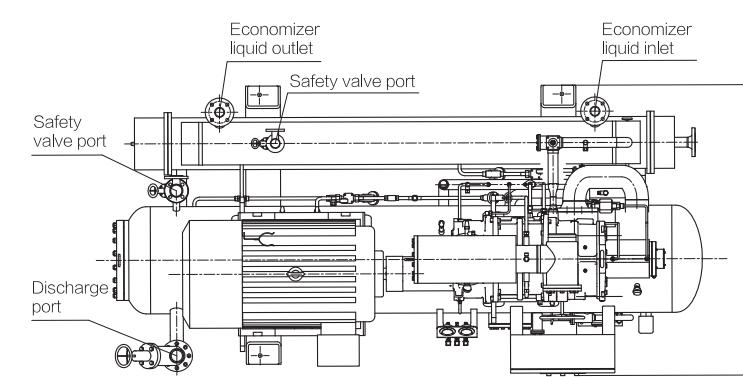
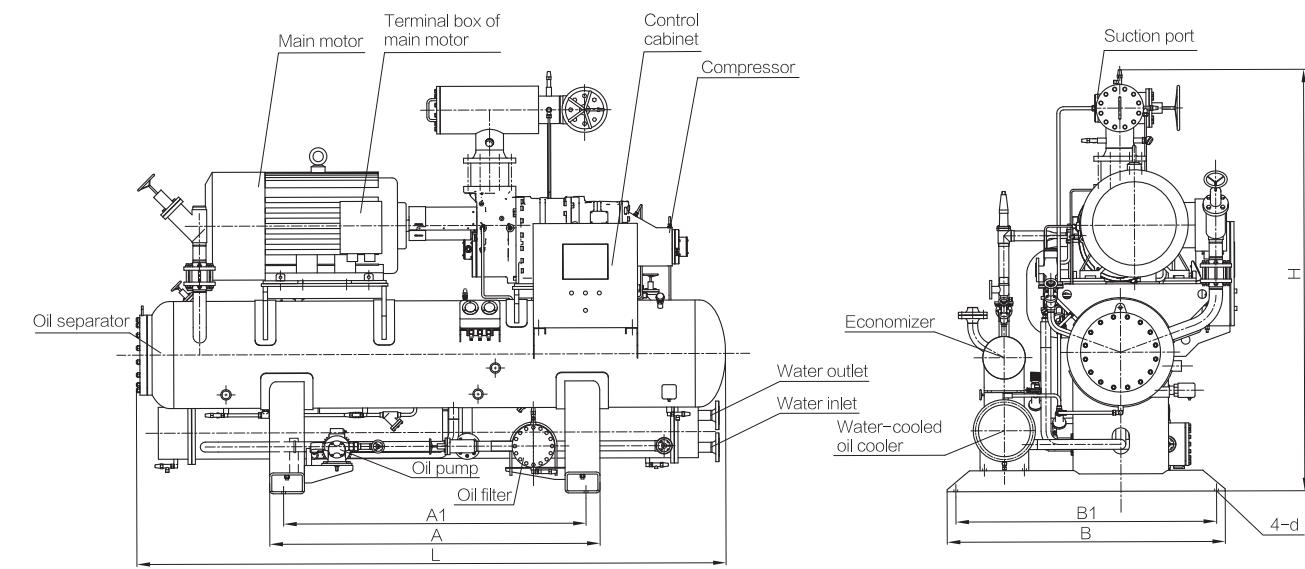
Note:1. This outline drawing is only for reference, actual package situation shall be defined by detailed design;

2. For unspecified standard, please perform according to our company's standard.

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



Single stage compressor overall dimension  
(with 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;

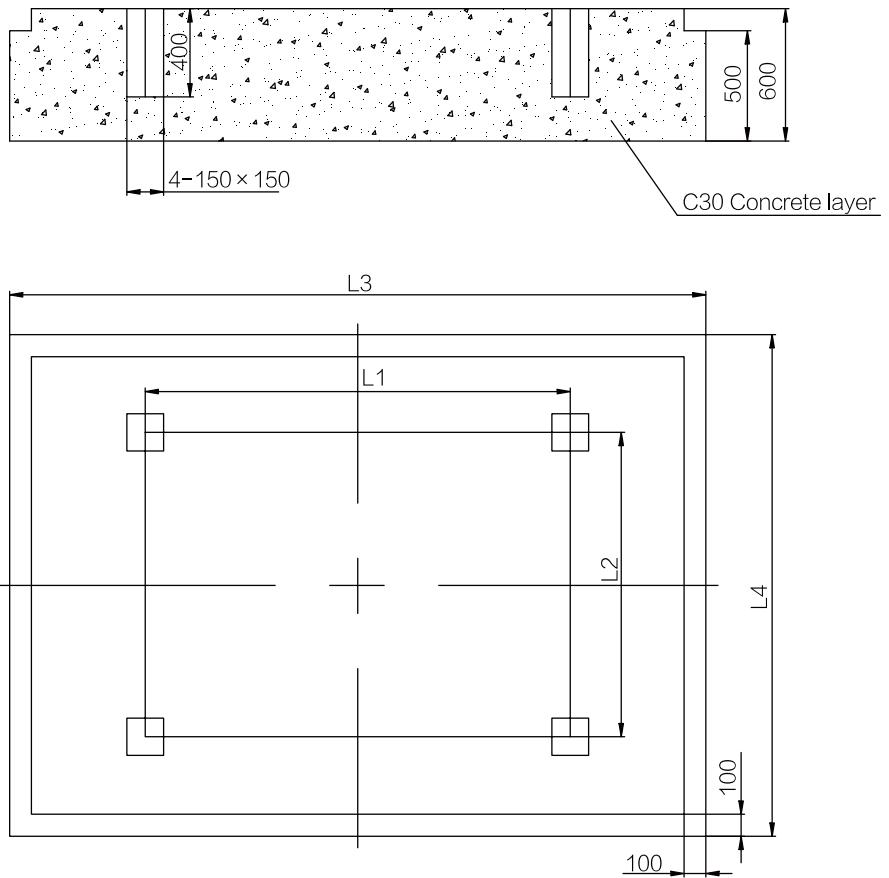
2. For unspecified standard, please perform according to our company's standard.

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;

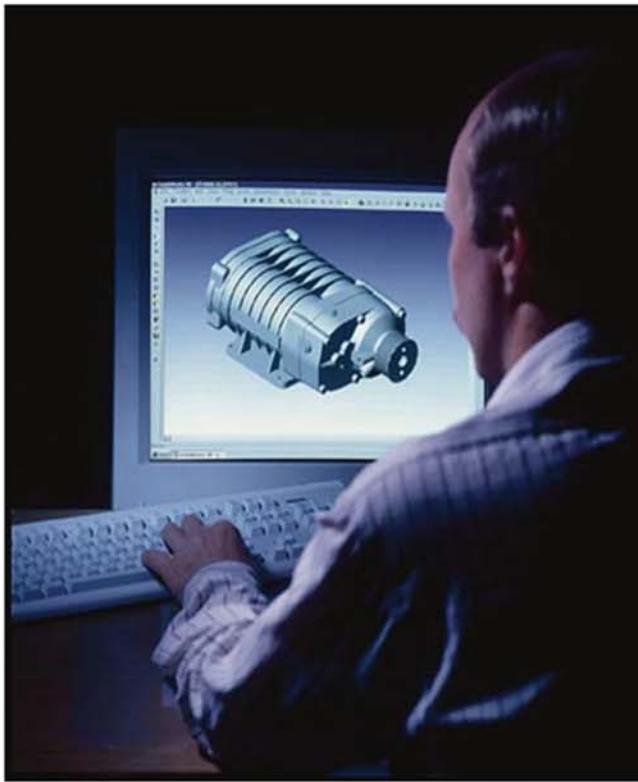
2. For unspecified standard, please perform according to our company's standard.

## 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

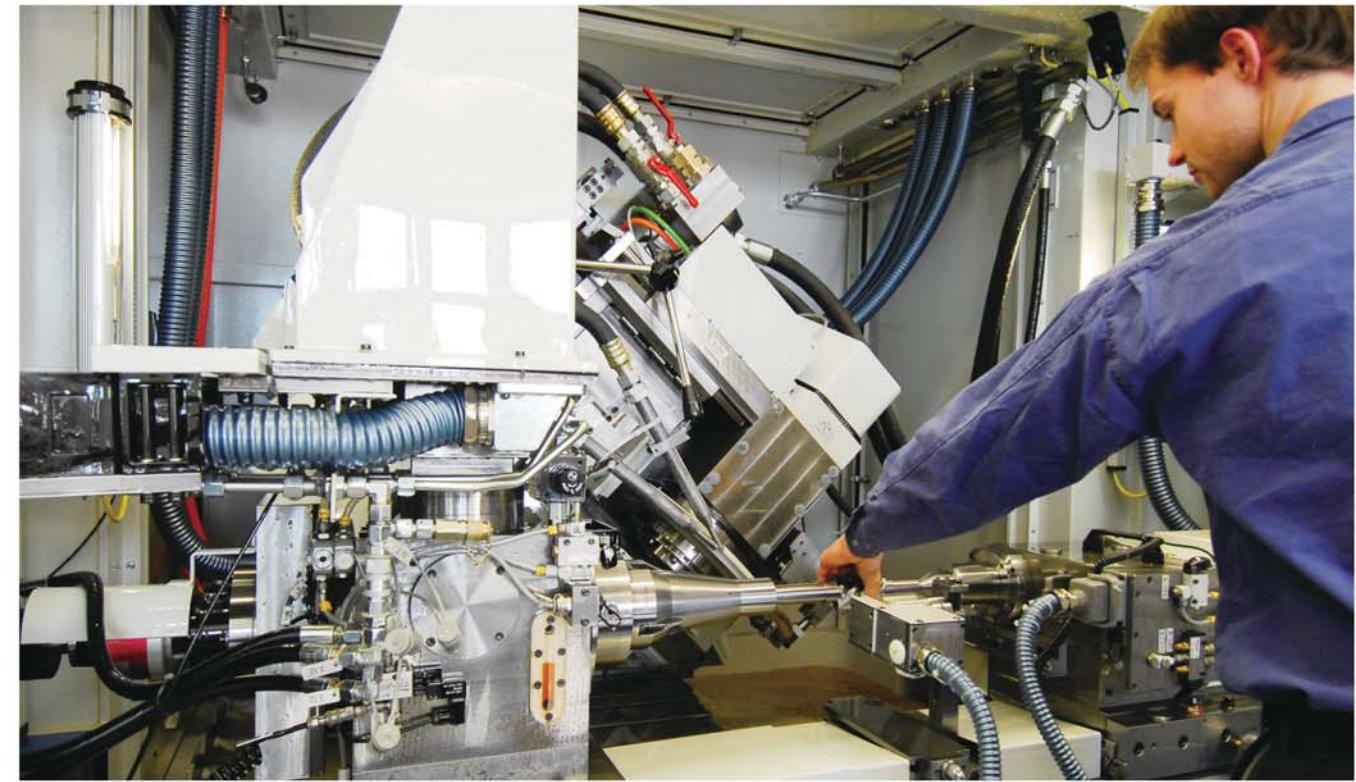
Note: Ensure the foundation settlement of compressor package is no more than 2 mm.



### Compressor R&D technology

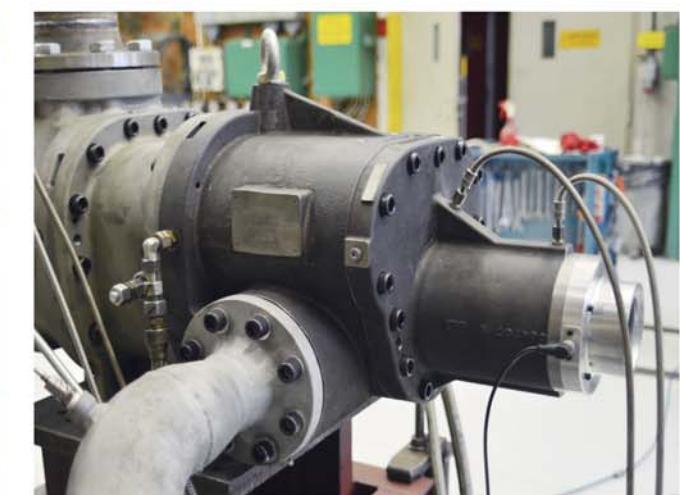
SRMTEC high-efficient and advanced screw compressor is developed based on SRM latest rotor "i" profile. The successful application of this "i" profile is the outcome of several generation's hard work. It not only realizes the big breakthrough of screw rotor technology, also opens up a new epoch in the 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°C AC Cooling water

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



### -15°C Ice and Ice sculptures

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



### 0.5°C Concrete cooling

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



### -25°C Pharmaceutical and chemicals industry

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



### -10°C Ice storage project

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



### -35°C Low temperature cold storage

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