



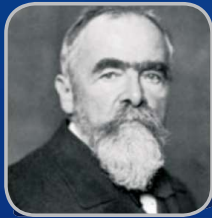
Cold Storage

Refrigeration Total Solution





In 1902, Dr. Willis Carrier invented the first modern air conditioning system in the world, which making him one of the 100 most influential people of the 20th century.



In 1877, the first refrigeration technology invented by Mr. Carl von Linde was patented, marking the application of modern refrigeration technology in scientific research, industry and commerce and families.

Carrier Company

Carrier is a world leader in heating, air-conditioning and refrigeration solutions.

Haier Carrier

Haier Carrier Refrigeration Equipment Co., Ltd. (Qingdao) was a joint venture established by Haier Group and US Carrier in 2001. After more than ten years of development, it has become a world-class facility. Its products include supermarket display cabinets (more than 1,000 specifications), compressor units (scroll, piston and screw), and heat exchangers (air-cooled condenser and air cooler). It can provide customers with whole sets of freezing and refrigerating solutions. Relying on the support of Carrier's R&D centers in Mainz, Germany and Shanghai, China, the company now has a nationally recognized laboratory, and the products and system technologies of Haier Carrier are leading in the world. The company is committed to providing advanced energy-saving systems, including carbon dioxide systems, for customers in the Asia Pacific region.

In the past ten years, relying on abundant resources of the parent company, Haier Carrier has become a world-class facility that owns the ISO9001 certification and the ACE certification of United Technologies (Carrier's parent). With strong R&D strength, we are able to provide world-class freezing and refrigerating integrated solutions such as D2D hot gas defrosting (national patent), Ground Water (GSHP technology dedicated for freezing and refrigerating purposes), HybridCO2OL (carbon dioxide cascade refrigeration technology), and CO2OLtec (carbon dioxide transcritical refrigeration technology).

Carrier new intelligent production base

Carrier is committed to innovative revolution and intelligent manufacturing. Since December 18, 2018, its new intelligent production base has been relocated to No. 3734, Tuanjie Road, Huangdao District, Qingdao.

The area of the new factory has been greatly expanded, and more newly upgraded production lines have been equipped, which has increased the production capacity by about 45%; the laboratories have been comprehensively upgraded and the number has doubled. The laboratory has a complete set of experimental verification system and experimental equipment. At present, there are 3 double-station commercial display cabinet laboratories, which adopt domestic or international advanced equipment; and product parameters meet or exceed national standards, so as to protect food safety; An 24-hour multi-functional testing laboratory for air-cooled, water-cooled condensing units, as well as air coolers and condensers, can be used for timely detection to ensure energy-saving and reliable products, responsible for the end user.

Integrated System Method

D2D

Our Patents Refrigeration Display Case

Refrigeration Circuit, Gas-Liquid Separator and Heating And Cooling System

Carrier has obtained nearly **100** patents for its core technologies in the field of commercial refrigeration. These patents are applied in Europe, the US, China and other countries and regions in the world, making Haier Carrier ahead in the industry in terms of depth and width.

Even Cleaning a Condenser

Design Application - a New Cabinet with Front Total Transparent and Sliding Glass /Filled

a New Glass Door Freezer with Bottom Sliding Baskets/Grated

REDUCE YOUR CARBON FOOTPRINT

AND ENERGY COSTS. NATURALLY.

Oil Balancing Control for Compressors Working in Parallel

Refrigerated Case **Let's Work Together!**

Oil Compensation in a Refrigeration Circuit

Oil Accumulation in CO₂ Refrigeration Ejector Cycles

Compressor Oil Distribution Device in Systems with Different Crankcase Pressure

Certificate of honor and qualification certificates



CHINASHOP Golden Wings



CHINASHOP Golden Wings-
Practical Fresh Food 3rd Prize



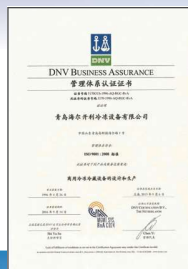
CHINASHOP Golden Wings-
Effective Stop-loss in Supply
Chain 2nd Place



CHINASHOP Golden Wings-
2018 Most Market-potential
Products Of the Year



DNV Business Assurance
Management System Certificate



Environmental Management
System Certificate



Utility Model Patent Certificate



National Industrial Product Production License



2017-2018 Golden Cold Chain Award - in
China's Cold Chain Industry
Top Ten Refrigeration and Thermal Insulation
Equipment Suppliers



The Best Partner Award
Lawson East China 1000 Stores
Achievement Award



GCCA Credit Certification

THE ROAD OF INNOVATION

In Haier Carrier, innovation is our philosophy all the time



The company was established



It started its export business



Linde Refrigeration group was acquired by Carrier Corp
It started to cooperate with MNC chains

2001

2003

2004



EEL Energy Efficiency Certification



GCCA Credit Certification



New supermarket & C-store products were launched



First batch of stores with Cascade CO₂ opened



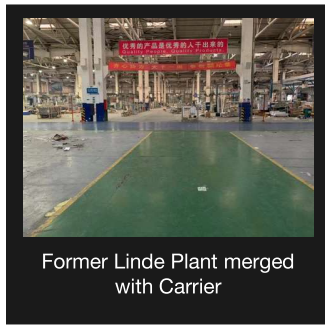
Localized CO₂ units product line went into operation

2014

2016



First D2D unit in China



Former Linde Plant merged with Carrier

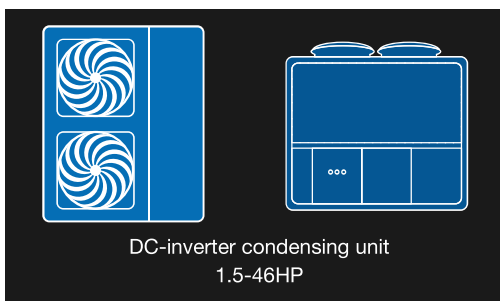


The first store with CO₂ pumping system opened

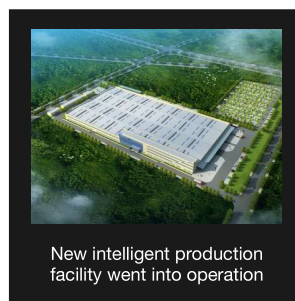
2007

2008

2012



DC-inverter condensing unit
1.5-46HP



New intelligent production facility went into operation



Full series air/water cooling MT/LT DC Inverter Racks

2017

2018

2019

GCCA Credit Certification



Carrier is

First One Certified by Commercial Refrigeration Enterprise

- The scope of certification covers cabinets and condensing units, ensuring the right temperature, food safety and advantage of energy efficiency
- Certificated by Hefei General Machinery Product Certification Co., Ltd., a certification authority in refrigeration industry
- Cabinet remote type and plug-in open type





Carrier

Your equipment doctor and store steward



Service centers

14



Service stations

200+



Outstanding staffs for superior services

- All service engineers of Carrier are refrigeration experts
- To improve the technical capacity of each engineer, we have developed well-targeted training and development plans for each engineer



24/7 Call Center

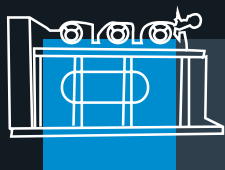
- 24/7 repair call hot line
- Professionally trained customer service representatives at your services
- Advanced call-center system and database management system
- Whole-process tracking the operation of the equipment to ensure failure detection and timely repair
- All-round services including sales, complaint handling and maintenance
- Call back to listen to what the customer have to say
- Evaluating the service management for the managers provide them with services and product quality data



Remote control

- The monitoring software monitors the equipment in your stores and sends the information to Carrier Monitoring Center
- The information is analyzed by the engineers at the monitoring center
- If necessary, the engineers at the monitoring center will inform the related service technicians to check on site
- The equipment failures in the stores are solved by Carrier before the customers are aware of them

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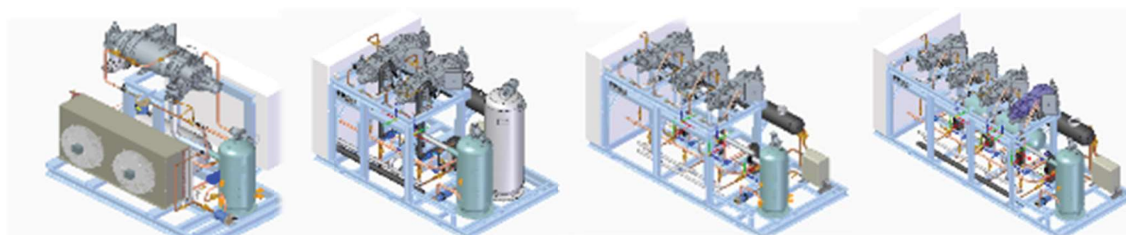
New Platform Modular MT/LT Screw Parallel Racks

Customer Value

- 120 models, more flexible choices under corresponding cooling capacity
- Optimized structural parameters, Compared with existing screw units for modular design
- Use the Carrier Carlyle stepless slide valve to regulate the compressor, saving energy by ~10% - 20%
- Siemens PLC controller, 10-inch graphical operation interface with friendly HMI, which is more versatile
- Suitable for various conventional refrigerants R22/R404A/R448A
- More customized and flexible option configuration.
- New platform frame structure is convenient for maintenance

Design Features

- Total cooling capacity of the unit is 50~600HP, and refrigerants R404A, R22 and R448A are Suitable
- Carlyle screw compressor, 6 low temperature and 4 medium temperature units, consisting of 1-4 compressor units. The unit has 1-4 heads, and the capacity adjustment range is:
 - Single head unit: 25 -100%
 - Two head units: 12.5% - 100%
 - Three head units: 8.3% - 100%
 - Four head units: 6.3% - 100%
- Integrated skid (frame) design with compact structure
- Fully automatic control system for remote monitoring
- High-grade suppliers selected to ensure quality



New platform Screw Unit Lineup

Item	Compressor			Number of compressors and total HP			
	Model Shorthand	Model Full-written	HP	1	2	3	4
LT	06T S1R	06T SR137	50	50	100	150	200
	06T S2R	06T SR155	60	60	120	180	240
	06T S3R	06T SR186	75	75	150	225	300
	06T T1R	06T TR266	100	100	200	300	400
	06T T2R	06T TR301	125	125	250	375	500
	06T T3R	06T TR356	150	150	300	450	600
MT	06T S1M	06T SM137	60	60	120	180	240
	06T S2M	06T SM155	75	75	150	225	300
	06T T1M	06T TM266*	125	125	250	375	500
	06T T2M	06T TM301	150	150	300	450	600

* All comparisons are based on the product performances of last generation.

Application Scenarios

MT Screw Unit

Refrigerant: R404A/R22/R507A

Cooling capacity: 103~1050kW (R22)

112~1140kW (R404A/R507A)

Evaporation temperature: -15°C ~+5°C

Storage temperature range:

-10°C ~+15°C

LT Screw Unit

Refrigerant: R404A/R22/R507A

Cooling capacity: 58~662kW (R22)

62~666kW (R404A/R507A)

Evaporation temperature: -45°C ~-15°C

Storage temperature range:

-40°C ~-5°C

* The cooling capacity range is based on: evaporation temperature: medium temperature -10 °C, low temperature -30 °C; condensation temperature: 40 °C; supercooling / superheating: 0/10K



High Temperature Storage

Storage temperature: 0°C~10°C

Storage capacity: 1000~3500 t

Goods storage:

Vegetables, fruits, etc.

Medium Temperature Storage

Storage temperature: -20°C~0°C

Storage capacity: 2000~8000 t

Goods storage:

Meat, fish, etc.

Low Temperature Storage

Storage temperature: -40°C~-20°C

Storage capacity: 2000~8000 t

Goods storage:

Seafood, meat, ice cream, etc.

Single Quick Freezing Line

Freezing temperature: -28°C~-32°C

Quick freezing line capacity:

0.5 t/h ~ 2 t/h

Goods storage:

Seafood, frozen food, etc.

Product Standard Configuration Options

Standard configuration of LT unit:

- Compressor
- Compressor suction valve, detachable suction filter
- Compressor exhaust valve
- Oil separator
- Oil supply circuit detachable oil filter
- Oil supply branch detachable oil filter
- Exhaust check valve
- Return air stop valve
- Liquid supply stop valve
- Detachable liquid supply drying filter
- Oil cooling system
- Each compressor is equipped with an economizer

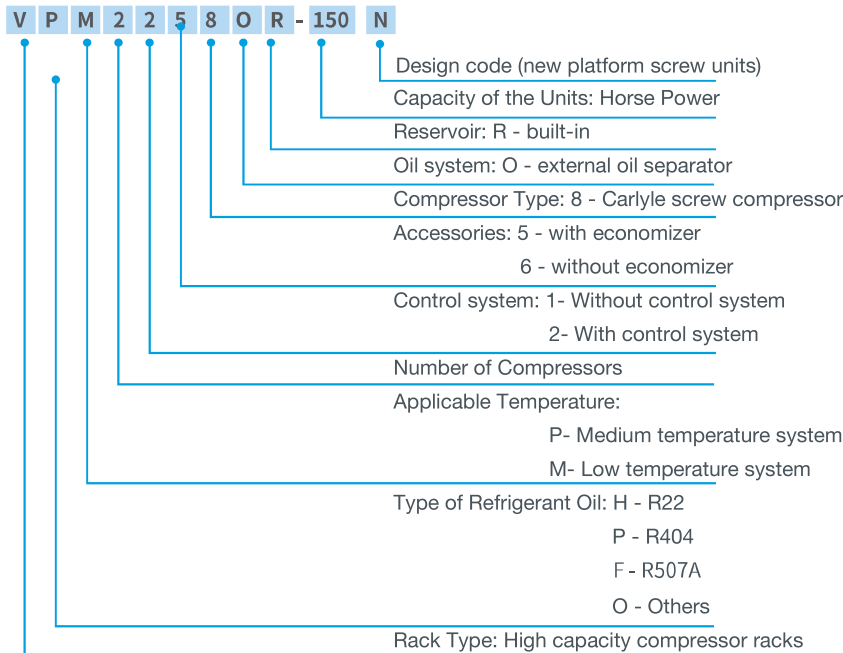
Standard configuration of MT unit:

- Compressor
- Compressor suction valve, detachable suction filter
- Compressor exhaust valve
- Oil separator
- Oil supply circuit detachable oil filter
- Oil supply branch detachable oil filter
- Exhaust check valve
- Return air stop valve
- Liquid supply stop valve
- Detachable liquid supply drying filter

Product Standard Configuration Options

- Multi-branch liquid supply assembly (including stop valve)
- Multi branch return air assembly (including stop valve)
- Exhaust constant pressure valve (generally selected in North China)
- External electric heating assembly for oil separator for northern area
- Oil cooling mode selection: water cooling, air cooling, siphon cooling
- Medium temperature unit with economizer assembly
- Oil distribution cooling assembly of medium temperature unit
- The accumulator is external or the volume of the accumulator increases (the volume of the accumulator needs to be increased when the end is aluminum or steel)
- Shell and tube condenser

Naming Rule of Screw Units



LT Screw Rack's Cooling Capacity and Input Power (R404A/R507A) - with Economizer

SDT=35°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFM1258OR-50N	50	1	06TSR137	33.4	35.3	43.8	36.8	55.8	38.5	69.3	40.2	83.9	42.1	99.9	44.1
2	VFM1258OR-60N	60	1	06TSR155	37.9	36.9	48.9	38.7	61.6	40.5	75.8	42.6	91.3	44.8	108.2	47.1
3	VFM1258OR-75N	75	1	06TSR186	46.9	40.9	58.5	43.3	72.0	45.8	87.2	48.5	103.9	51.3	122.0	54.3
4	VFM1258OR-100N	100	1	06TTR266	68.9	67.2	88.2	69.7	111.0	72.4	137.3	75.2	166.9	78.1	199.8	81.0
5	VFM1258OR-125N	125	1	06TTR301	82.6	72.5	104.7	75.9	130.5	79.5	159.7	83.4	192.0	87.5	227.1	91.8
6	VFM1258OR-150N	150	1	06TTR356	97.5	78.5	121.3	82.7	149.4	87.4	181.6	92.6	218.0	98.4	258.4	104.5
7	VFM2258OR-100N	100	2	06TSR137	66.8	70.6	87.7	73.6	111.7	76.9	138.5	80.5	167.8	84.2	199.7	88.3
8	VFM2258OR-120N	120	2	06TSR155	75.8	73.9	97.8	77.3	123.1	81.1	151.5	85.1	182.6	89.5	216.3	94.3
9	VFM2258OR-150N	150	2	06TSR186	93.8	81.8	117.0	86.5	144.0	91.6	174.4	96.9	207.8	102.6	244.0	108.5
10	VFM2258OR-200N	200	2	06TTR266	137.8	134.4	176.5	139.4	222.0	144.8	274.5	150.4	333.7	156.2	399.6	162.1
11	VFM2258OR-250N	250	2	06TTR301	165.1	145.0	209.4	151.8	261.0	159.1	319.4	166.8	384.0	174.9	454.2	183.5
12	VFM2258OR-300N	300	2	06TTR356	195.0	157.0	242.5	165.3	298.8	174.7	363.3	185.3	436.0	196.7	516.7	209.0
13	VFM3258OR-150N	150	3	06TSR137	100.2	105.9	131.5	110.4	167.5	115.4	207.8	120.7	251.7	126.4	299.6	132.4
14	VFM3258OR-180N	180	3	06TSR155	113.7	110.8	146.6	116.0	184.7	121.6	227.3	127.7	274.0	134.3	324.5	141.4
15	VFM3258OR-225N	225	3	06TSR186	140.7	122.6	175.6	129.8	216.0	137.4	261.5	145.4	311.7	153.9	366.0	162.8
16	VFM3258OR-300N	300	3	06TTR266	206.8	201.5	264.7	209.1	333.0	217.2	411.8	225.5	500.6	234.2	599.4	243.1
17	VFM3258OR-375N	375	3	06TTR301	247.7	217.5	314.1	227.6	391.5	238.6	479.1	250.1	575.9	262.4	681.3	275.3
18	VFM3258OR-450N	450	3	06TTR356	292.6	235.5	363.8	248.0	448.2	262.1	544.9	277.9	654.0	295.1	775.1	313.4
19	VFM4258OR-200N	200	4	06TSR137	133.6	141.2	175.4	147.2	223.3	153.8	277.0	160.9	335.6	168.5	399.5	176.5
20	VFM4258OR-240N	240	4	06TSR155	151.6	147.7	195.5	154.6	246.2	162.1	303.0	170.2	365.3	179.1	432.6	188.5
21	VFM4258OR-300N	300	4	06TSR186	187.6	163.5	234.1	173.0	288.0	183.2	348.7	193.9	415.6	205.2	488.0	217.0
22	VFM4258OR-400N	400	4	06TTR266	275.7	268.7	352.9	278.8	444.0	289.6	549.0	300.7	667.4	312.3	799.2	324.2
23	VFM4258OR-500N	500	4	06TTR301	330.2	290.0	418.8	303.5	522.0	318.1	638.8	333.5	767.9	349.8	908.4	367.0
24	VFM4258OR-600N	600	4	06TTR356	390.1	314.0	485.0	330.6	597.6	349.4	726.6	370.5	872.0	393.5	1033.5	417.9

SDT=40°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFM1258OR-50N	50	1	06TSR137	29.8	39.1	39.8	40.7	51.3	42.4	64.3	44.3	78.4	46.2	94.0	48.3
2	VFM1258OR-60N	60	1	06TSR155	34.3	40.8	45.0	42.6	57.3	44.5	71.0	46.7	86.1	48.9	102.4	51.4
3	VFM1258OR-75N	75	1	06TSR186	43.6	45.0	54.8	47.5	67.8	50.2	82.5	53.0	98.6	56.0	116.1	59.1
4	VFM1258OR-100N	100	1	06TTR266	62.8	74.7	81.3	77.4	103.3	80.1	128.4	83.0	156.8	86.0	188.3	89.1
5	VFM1258OR-125N	125	1	06TTR301	76.6	79.8	98.1	83.4	123.3	87.2	151.6	91.3	183.0	95.5	217.1	100.1
6	VFM1258OR-150N	150	1	06TTR356	91.7	86.4	114.5	90.7	141.5	95.5	172.5	101.0	207.3	106.9	245.9	113.3
7	VFM2258OR-100N	100	2	06TSR137	59.6	78.1	79.6	81.3	102.6	84.8	128.6	88.5	156.8	92.5	188.0	96.7
8	VFM2258OR-120N	120	2	06TSR155	68.7	81.6	89.9	85.2	114.5	89.1	142.0	93.3	172.2	97.9	204.9	102.8
9	VFM2258OR-150N	150	2	06TSR186	87.1	90.0	109.5	95.0	135.6	100.3	164.9	106.0	197.2	111.9	232.1	118.2
10	VFM2258OR-200N	200	2	06TTR266	125.6	149.5	162.7	154.7	206.5	160.3	256.8	166.1	313.6	172.1	376.7	178.2
11	VFM2258OR-250N	250	2	06TTR301	153.1	159.6	196.3	166.7	246.5	174.3	303.2	182.5	366.0	191.1	434.1	200.1
12	VFM2258OR-300N	300	2	06TTR356	183.3	172.7	229.0	181.3	283.0	191.1	345.0	201.9	414.6	213.8	491.7	226.5
13	VFM3258OR-150N	150	3	06TSR137	89.4	117.2	119.3	122.0	154.0	127.3	193.0	132.8	235.3	138.7	282.1	145.0
14	VFM3258OR-180N	180	3	06TSR155	103.0	122.4	134.9	127.8	171.8	133.6	213.1	140.0	258.4	146.8	307.3	154.1
15	VFM3258OR-225N	225	3	06TSR186	130.7	134.9	164.3	142.5	203.3	150.5	247.4	158.9	295.8	167.9	348.2	177.2
16	VFM3258OR-300N	300	3	06TTR266	188.3	224.2	244.0	232.1	309.8	240.4	385.3	249.1	470.4	258.1	565.0	267.4
17	VFM3258OR-375N	375	3	06TTR301	229.7	239.4	294.4	250.1	369.8	261.5	454.9	273.8	549.0	286.6	651.2	300.2
18	VFM3258OR-450N	450	3	06TTR356	275.0	259.1	343.5	272.0	424.4	286.6	517.5	302.9	621.9	320.7	737.6	339.8
19	VFM4258OR-200N	200	4	06TSR137	119.2	156.2	159.1	162.7	205.3	169.7	257.3	177.0	313.7	185.0	376.1	193.4
20	VFM4258OR-240N	240	4	06TSR155	137.3	163.2	179.9	170.4	229.0	178.1	284.1	186.6	344.5	195.8	409.8	205.5
21	VFM4258OR-300N	300	4	06TSR186	174.2	179.9	219.0	190.0	271.1	200.6	329.8	211.9	394.4	223.8	464.2	236.3
22	VFM4258OR-400N	400	4	06TTR266	251.1	299.0	325.4	309.5	413.0	320.6	513.7	332.2	627.2	344.2	753.3	356.5
23	VFM4258OR-500N	500	4	06TTR301	306.2	319.2	392.5	333.5	493.0	348.7	606.5	365.0	732.0	382.2	868.2	400.3
24	VFM4258OR-600N	600	4	06TTR356	366.6	345.5	458.0	362.6	565.9	382.2	690.0	403.8	829.2	427.6	983.4	453.1

SDT=45°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFM1258OR-50N	50	1	06TSR137	25.3	43.3	35.0	45.0	46.1	46.8	58.7	48.8	72.3	50.9	87.4	53.1
2	VFM1258OR-60N	60	1	06TSR155	30.0	45.2	40.3	47.1	52.2	49.1	65.5	51.3	80.2	53.7	96.0	56.3
3	VFM1258OR-75N	75	1	06TSR186	39.7	49.5	50.5	52.2	63.1	55.0	77.2	58.0	92.7	61.1	109.5	64.4
4	VFM1258OR-100N	100	1	06TTR266	56.1	83.2	73.9	86.0	94.9	88.8	119.0	91.8	146.1	95.0	176.1	98.2
5	VFM1258OR-125N	125	1	06TTR301	69.8	87.9	90.8	91.7	115.2	95.7	142.7	100.0	173.2	104.5	206.2	109.2
6	VFM1258OR-150N	150	1	06TTR356	85.2	95.2	107.1	99.6	132.9	104.7	162.5	110.3	195.7	116.5	232.5	123.1
7	VFM2258OR-100N	100	2	06TSR137	50.7	86.7	69.9	90.0	92.2	93.7	117.3	97.5	144.6	101.7	174.8	106.2
8	VFM2258OR-120N	120	2	06TSR155	60.1	90.5	80.6	94.2	104.4	98.2	131.1	102.6	160.3	107.4	191.9	112.5
9	VFM2258OR-150N	150	2	06TSR186	79.5	99.0	101.0	104.4	126.1	110.0	154.4	116.0	185.5	122.3	219.1	128.8
10	VFM2258OR-200N	200	2	06TTR266	112.1	166.5	147.7	171.9	189.8	177.7	238.0	183.7	292.1	189.9	352.2	196.4
11	VFM2258OR-250N	250	2	06TTR301	139.7	175.8	181.6	183.3	230.4	191.4	285.5	199.9	346.4	208.9	412.4	218.5
12	VFM2258OR-300N	300	2	06TTR356	170.4	190.4	214.1	199.3	265.8	209.4	325.1	220.6	391.4	232.9	465.0	246.1
13	VFM3258OR-150N	150	3	06TSR137	76.0	130.0	104.9	135.0	138.3	140.5	176.0	146.3	217.0	152.6	262.2	159.3
14	VFM3258OR-180N	180	3	06TSR155	90.1	135.7	120.9	141.2	156.6	147.3	196.6	154.0	240.5	161.1	287.9	168.8
15	VFM3258OR-225N	225	3	06TSR186	119.2	148.6	151.5	156.5	189.2	165.0	231.6	173.9	278.2	183.4	328.6	193.3
16	VFM3258OR-300N	300	3	06TTR266	168.2	249.7	221.6	257.9	284.6	266.5	356.9	275.5	438.2	284.9	528.3	294.5
17	VFM3258OR-375N	375	3	06TTR301	209.5	263.7	272.4	275.0	345.5	287.1	428.2	299.9	519.5	313.4	618.6	327.7
18	VFM3258OR-450N	450	3	06TTR356	255.5	285.6	321.2	298.9	398.7	314.1	487.6	330.9	587.1	349.4	697.4	369.2
19	VFM4258OR-200N	200	4	06TSR137	101.3	173.3	139.8	180.0	184.4	187.3	234.6	195.1	289.3	203.4	349.6	212.4
20	VFM4258OR-240N	240	4	06TSR155	120.1	181.0	161.2	188.3	208.8	196.4	262.1	205.3	320.7	214.8	383.8	225.0
21	VFM4258OR-300N	300	4	06TSR186	158.9	198.1	202.0	208.7	252.2	220.0	308.8	231.9	371.0	244.5	438.2	257.7
22	VFM4258OR-400N	400	4	06TTR266	224.3	332.9	295.5	343.8	379.5	355.3	475.9	367.3	584.2	379.8	704.4	392.7
23	VFM4258OR-500N	500	4	06TTR301	279.3	351.6	363.2	366.6	460.7	382.8	571.0	399.8	692.7	417.9	824.8	437.0
24	VFM4258OR-600N	600	4	06TTR356	340.7	380.8	428.3	398.6	531.6	418.8	650.1	441.2	782.8	465.8	929.9	492.2

MT Screw Rack's Cooling Capacity and Input Power (R507A) - with Economizer

SDT=35°C					SST(°C)									
Item	Rack Model	HP	Compressor		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFP1268OR-60N	60	1	06TSM137	129.8	45.4	153.3	46.9	179.6	48.3	208.6	49.5	240.2	50.4
2	VFP1268OR-75N	75	1	06TSM155	142.0	50.2	166.8	52.2	194.3	54.1	224.5	55.8	257.4	57.1
3	VFP1268OR-125N	125	1	06TTM266	280.2	87.3	327.9	90.5	381.2	93.7	440.3	96.5	504.9	98.4
4	VFP1268OR-150N	150	1	06TTM301	309.1	97.1	360.1	101.5	416.9	105.7	479.5	109.6	547.8	112.0
5	VFP2268OR-120N	120	2	06TSM137	259.6	90.9	306.7	93.8	359.2	96.6	417.1	99.0	480.4	100.7
6	VFP2268OR-150N	150	2	06TSM155	284.0	100.3	333.5	104.3	388.6	108.2	449.0	111.7	514.7	114.2
7	VFP2268OR-250N	250	2	06TTM266	560.4	174.5	655.8	181.1	762.5	187.4	880.5	193.0	1009.8	196.9
8	VFP2268OR-300N	300	2	06TTM301	618.2	194.1	720.3	202.9	833.9	211.5	959.0	219.3	1095.6	224.0
9	VFP3268OR-180N	180	3	06TSM137	389.4	136.3	460.0	140.7	538.8	144.9	625.7	148.5	720.6	151.1
10	VFP3268OR-225N	225	3	06TSM155	426.0	150.5	500.3	156.5	583.0	162.2	673.6	167.5	772.1	171.3
11	VFP3268OR-375N	375	3	06TTM266	840.6	261.8	983.6	271.6	1143.7	281.1	1320.8	289.6	1514.7	295.3
12	VFP3268OR-450N	450	3	06TTM301	927.3	291.2	1080.4	304.4	1250.8	317.2	1438.5	328.9	1643.4	336.0
13	VFP4268OR-240N	240	4	06TSM137	519.2	181.7	613.4	187.6	718.4	193.2	834.3	198.0	960.8	201.4
14	VFP4268OR-300N	300	4	06TSM155	568.0	200.6	667.1	208.6	777.3	216.3	898.1	223.4	1029.4	228.4
15	VFP4268OR-500N	500	4	06TTM266	1120.8	349.0	1311.5	362.2	1524.9	374.8	1761.0	386.1	2019.6	393.7
16	VFP4268OR-600N	600	4	06TTM301	1236.4	388.2	1440.5	405.8	1667.8	423.0	1918.0	438.6	2191.2	448.0

SDT=40°C					SST(°C)									
Item	Rack Model	HP	Compressor		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFP1268OR-60N	60	1	06TSM137	122.6	49.7	145.1	51.4	170.3	53.0	198.1	54.4	228.3	55.7
2	VFP1268OR-75N	75	1	06TSM155	134.3	54.5	157.9	56.8	184.2	59.0	213.1	61.0	244.4	62.8
3	VFP1268OR-125N	125	1	06TTM266	265.5	95.0	311.3	98.7	362.4	102.2	418.9	105.6	480.8	108.4
4	VFP1268OR-150N	150	1	06TTM301	293.3	105.1	342.2	109.9	396.7	114.7	456.6	119.2	521.8	123.1
5	VFP2268OR-120N	120	2	06TSR137	245.1	99.5	290.2	102.8	340.6	106.0	396.1	108.9	456.7	111.3
6	VFP2268OR-150N	150	2	06TSR155	268.5	109.1	315.8	113.5	368.4	117.9	426.2	122.0	488.8	125.5
7	VFP2268OR-250N	250	2	06TSR186	531.0	190.0	622.5	197.3	724.9	204.4	837.9	211.1	961.7	216.9
8	VFP2268OR-300N	300	2	06TTR266	586.6	210.2	684.4	219.9	793.5	229.3	913.2	238.4	1043.6	246.2
9	VFP3268OR-180N	180	3	06TSR137	367.7	149.2	435.3	154.2	510.9	159.0	594.2	163.3	685.0	167.0
10	VFP3268OR-225N	225	3	06TSR155	402.8	163.6	473.7	170.3	552.7	176.9	639.2	182.9	733.3	188.3
11	VFP3268OR-375N	375	3	06TSR186	796.5	284.9	933.8	296.0	1087.3	306.6	1256.8	316.7	1442.5	325.3
12	VFP3268OR-450N	450	3	06TTR266	879.9	315.3	1026.6	329.8	1190.2	344.0	1369.8	357.6	1565.3	369.3
13	VFP4268OR-240N	240	4	06TSR137	490.3	198.9	580.4	205.6	681.2	212.0	792.2	217.8	913.4	222.6
14	VFP4268OR-300N	300	4	06TSR155	537.0	218.1	631.6	227.1	736.9	235.8	852.3	243.9	977.7	251.0
15	VFP4268OR-500N	500	4	06TSR186	1062.0	379.9	1245.0	394.6	1449.7	408.8	1675.8	422.3	1923.4	433.7
16	VFP4268OR-600N	600	4	06TTR266	1173.2	420.4	1368.8	439.8	1587.0	458.7	1826.4	476.8	2087.1	492.4

SDT=45°C					SST(°C)									
Item	Rack Model	HP	Compressor		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFP1268OR-60N	60	1	06TSM137	114.4	54.7	136.0	56.5	160.1	58.3	186.6	60.0	215.4	61.5
2	VFP1268OR-75N	75	1	06TSM155	125.4	59.7	147.9	62.2	173.0	64.5	200.4	66.8	230.2	68.9
3	VFP1268OR-125N	125	1	06TTM266	248.9	103.8	292.6	107.8	341.5	111.7	395.4	115.5	454.2	119.1
4	VFP1268OR-150N	150	1	06TTM301	275.1	114.4	321.9	119.6	373.9	124.8	431.0	129.9	493.0	134.6
5	VFP2268OR-120N	120	2	06TSM137	228.8	109.4	271.9	113.1	320.1	116.6	373.2	119.9	430.8	122.9
6	VFP2268OR-150N	150	2	06TSM155	250.8	119.4	295.9	124.3	346.0	129.1	400.9	133.7	460.4	137.9
7	VFP2268OR-250N	250	2	06TTM266	497.7	207.5	585.2	215.5	683.0	223.4	790.7	231.0	908.5	238.1
8	VFP2268OR-300N	300	2	06TTM301	550.2	228.8	643.8	239.2	747.9	249.6	861.9	259.7	985.9	269.1
9	VFP3268OR-180N	180	3	06TSM137	343.2	164.1	407.9	169.6	480.2	174.9	559.8	179.9	646.3	184.4
10	VFP3268OR-225N	225	3	06TSM155	376.1	179.1	443.8	186.5	519.0	193.6	601.3	200.5	690.6	206.8
11	VFP3268OR-375N	375	3	06TTM266	746.6	311.3	877.7	323.3	1024.4	335.1	1186.1	346.5	1362.7	357.2
12	VFP3268OR-450N	450	3	06TTM301	825.3	343.2	965.6	358.8	1121.8	374.3	1292.9	389.6	1478.9	403.7
13	VFP4268OR-240N	240	4	06TSM137	457.6	218.8	543.9	226.1	640.2	233.2	746.4	239.8	861.7	245.9
14	VFP4268OR-300N	300	4	06TSM155	501.5	238.8	591.7	248.6	692.0	258.2	801.8	267.4	920.8	275.7
15	VFP4268OR-500N	500	4	06TTM266	995.4	415.0	1170.3	431.0	1365.9	446.8	1581.5	462.0	1816.9	476.2
16	VFP4268OR-600N	600	4	06TTM301	1100.4	457.6	1287.5	478.4	1495.8	499.1	1723.8	519.4	1971.8	538.2

SDT=35°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPM1258OR-50N	50	1	06TSR137	31.9	33.7	42.0	35.2	53.6	36.8	66.8	38.5	81.2	40.3	96.8	42.2
2	VPM1258OR-60N	60	1	06TSR155	35.8	35.4	46.5	37.0	58.9	38.8	72.8	40.8	88.1	43.0	104.6	45.3
3	VPM1258OR-75N	75	1	06TSR186	44.5	39.3	55.8	41.6	69.0	44.1	83.9	46.7	100.4	49.5	118.3	52.4
4	VPM1258OR-100N	100	1	06TTR266	65.5	64.7	84.2	67.2	106.5	69.9	132.2	72.6	161.2	75.4	193.5	78.3
5	VPM1258OR-125N	125	1	06TTR301	78.2	69.8	99.8	73.1	125.0	76.7	153.5	80.4	185.2	84.4	219.7	88.6
6	VPM1258OR-150N	150	1	06TTR356	92.7	75.5	115.9	79.6	143.4	84.2	175.1	89.3	210.8	94.9	250.6	100.8
7	VPM2258OR-100N	100	2	06TSR137	63.7	67.4	84.0	70.4	107.3	73.6	133.5	76.9	162.4	80.5	193.5	84.3
8	VPM2258OR-120N	120	2	06TSR155	71.7	70.7	93.0	74.0	117.7	77.6	145.5	81.6	176.1	85.9	209.2	90.6
9	VPM2258OR-150N	150	2	06TSR186	88.9	78.6	111.6	83.3	138.0	88.2	167.9	93.4	200.8	99.0	236.6	104.7
10	VPM2258OR-200N	200	2	06TTR266	131.0	129.5	168.4	134.5	213.0	139.7	264.3	145.2	322.4	150.8	387.1	156.6
11	VPM2258OR-250N	250	2	06TTR301	156.5	139.6	199.5	146.2	249.9	153.3	307.0	160.8	370.4	168.8	439.4	177.2
12	VPM2258OR-300N	300	2	06TTR356	185.4	151.1	231.7	159.2	286.8	168.4	350.2	178.6	421.6	189.8	501.1	201.6
13	VPM3258OR-150N	150	3	06TSR137	95.6	101.2	126.0	105.6	160.9	110.3	200.3	115.4	243.6	120.8	290.3	126.5
14	VPM3258OR-180N	180	3	06TSR155	107.5	106.1	139.5	111.0	176.6	116.4	218.3	122.3	264.2	128.9	313.8	135.9
15	VPM3258OR-225N	225	3	06TSR186	133.4	118.0	167.4	124.9	207.0	132.3	251.8	140.1	301.2	148.4	354.9	157.1
16	VPM3258OR-300N	300	3	06TTR266	196.4	194.2	252.6	201.7	319.4	209.6	396.5	217.8	483.5	226.2	580.6	234.9
17	VPM3258OR-375N	375	3	06TTR301	234.7	209.4	299.3	219.4	374.9	230.0	460.6	241.3	555.6	253.2	659.1	265.8
18	VPM3258OR-450N	450	3	06TTR356	278.1	226.6	347.6	238.7	430.2	252.5	525.3	267.9	632.4	284.7	751.7	302.5
19	VPM4258OR-200N	200	4	06TSR137	127.4	134.9	168.0	140.8	214.5	147.1	267.0	153.8	324.8	161.0	387.1	168.7
20	VPM4258OR-240N	240	4	06TSR155	143.4	141.4	186.0	148.0	235.5	155.2	291.1	163.1	352.2	171.8	418.4	181.2
21	VPM4258OR-300N	300	4	06TSR186	177.8	157.3	223.2	166.5	276.0	176.4	335.8	186.8	401.6	197.9	473.2	209.5
22	VPM4258OR-400N	400	4	06TTR266	261.9	258.9	336.8	268.9	425.9	279.4	528.6	290.4	644.7	301.6	774.2	313.2
23	VPM4258OR-500N	500	4	06TTR301	312.9	279.2	399.0	292.5	499.8	306.6	614.1	321.7	740.8	337.6	878.8	354.4
24	VPM4258OR-600N	600	4	06TTR356	370.8	302.1	463.4	318.3	573.6	336.7	700.4	357.2	843.2	379.6	1002.2	403.3

SDT=40°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPM1258OR-50N	50	1	06TSR137	28.5	37.3	38.2	38.9	49.5	40.5	62.1	42.3	76.1	44.2	91.2	46.2
2	VPM1258OR-60N	60	1	06TSR155	32.5	39.0	42.9	40.7	54.8	42.6	68.3	44.7	83.1	46.9	99.2	49.4
3	VPM1258OR-75N	75	1	06TSR186	41.3	43.3	52.3	45.7	65.1	48.3	79.5	51.1	95.4	54.0	112.7	57.0
4	VPM1258OR-100N	100	1	06TTR266	59.7	72.1	77.8	74.7	99.2	77.4	123.9	80.2	151.7	83.4	182.8	86.2
5	VPM1258OR-125N	125	1	06TTR301	72.6	76.9	93.6	80.3	118.1	84.1	145.9	88.0	176.8	92.2	210.4	96.6
6	VPM1258OR-150N	150	1	06TTR356	87.2	83.1	109.5	87.3	136.0	92.1	166.5	97.4	200.9	103.1	238.9	109.3
7	VPM2258OR-100N	100	2	06TSR137	57.0	74.6	76.4	77.8	98.9	81.1	124.2	84.6	152.2	88.4	182.4	92.5
8	VPM2258OR-120N	120	2	06TSR155	65.0	78.0	85.7	81.4	109.6	85.2	136.6	89.4	166.3	93.8	198.4	98.7
9	VPM2258OR-150N	150	2	06TSR186	82.6	86.5	104.5	91.4	130.1	96.6	159.0	102.1	190.8	108.0	225.4	114.1
10	VPM2258OR-200N	200	2	06TTR266	119.4	144.1	155.6	149.3	198.4	154.7	247.8	160.4	303.5	166.9	365.5	172.3
11	VPM2258OR-250N	250	2	06TTR301	145.2	153.7	187.2	160.7	236.2	168.1	291.8	176.1	353.6	184.4	420.7	193.2
12	VPM2258OR-300N	300	2	06TTR356	174.4	166.3	219.1	174.6	272.1	184.1	333.0	194.7	401.7	206.3	477.8	218.7
13	VPM3258OR-150N	150	3	06TSR137	85.5	112.0	114.6	116.6	148.4	121.6	186.4	127.0	228.3	132.6	273.7	138.7
14	VPM3258OR-180N	180	3	06TSR155	97.6	117.1	128.6	122.2	164.5	127.8	204.9	134.0	249.4	140.8	297.6	148.1
15	VPM3258OR-225N	225	3	06TSR186	123.9	129.8	156.8	137.1	195.2	144.9	238.4	153.2	286.3	161.9	338.1	171.1
16	VPM3258OR-300N	300	3	06TTR266	179.2	216.2	233.4	224.0	297.6	232.1	371.6	240.6	455.2	250.3	548.3	258.5
17	VPM3258OR-375N	375	3	06TTR301	217.8	230.6	280.8	241.0	354.4	252.2	437.7	264.1	530.4	276.6	631.1	289.8
18	VPM3258OR-450N	450	3	06TTR356	261.7	249.4	328.6	261.9	408.1	276.2	499.5	292.1	602.6	309.4	716.7	328.0
19	VPM4258OR-200N	200	4	06TSR137	114.0	149.3	152.8	155.5	197.8	162.2	248.5	169.3	304.4	176.8	364.9	184.9
20	VPM4258OR-240N	240	4	06TSR155	130.1	156.1	171.4	162.9	219.3	170.4	273.2	178.7	332.6	187.7	396.8	197.4
21	VPM4258OR-300N	300	4	06TSR186	165.2	173.1	209.1	182.8	260.2	193.2	317.9	204.2	381.7	215.9	450.8	228.1
22	VPM4258OR-400N	400	4	06TTR266	238.9	288.3	311.2	298.6	396.8	309.5	495.5	320.8	607.0	333.8	731.0	344.6
23	VPM4258OR-500N	500	4	06TTR301	290.4	307.4	374.4	321.3	472.5	336.3	583.6	352.2	707.2	368.8	841.4	386.4
24	VPM4258OR-600N	600	4	06TTR356	348.9	332.5	438.2	349.2	544.1	368.3	666.0	389.4	803.4	412.5	955.6	437.4

SDT=45°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPM1258OR-50N	50	1	06TSR137	24.4	41.5	33.7	43.1	44.6	44.9	56.8	46.8	70.3	48.8	85.0	50.9
2	VPM1258OR-60N	60	1	06TSR155	28.5	43.4	38.5	45.1	50.0	47.1	63.1	49.2	77.5	51.6	93.1	54.1
3	VPM1258OR-75N	75	1	06TSR186	37.7	47.7	48.3	50.2	60.6	53.0	74.5	55.9	89.9	59.0	106.6	62.2
4	VPM1258OR-100N	100	1	06TTR266	53.4	80.3	70.8	83.0	91.4	85.8	115.1	88.7	141.7	91.8	171.3	94.9
5	VPM1258OR-125N	125	1	06TTR301	66.3	84.7	86.7	88.3	110.5	92.3	137.6	96.4	167.5	100.9	200.1	105.5
6	VPM1258OR-150N	150	1	06TTR356	81.2	91.6	102.6	96.0	128.1	100.9	157.3	106.4	190.1	112.4	226.5	118.8
7	VPM2258OR-100N	100	2	06TSR137	48.9	83.1	67.5	86.3	89.1	89.8	113.6	93.5	140.6	97.5	169.9	101.8
8	VPM2258OR-120N	120	2	06TSR155	56.9	86.7	76.9	90.2	100.1	94.2	126.2	98.5	155.0	103.2	186.1	108.2
9	VPM2258OR-150N	150	2	06TSR186	75.4	95.3	96.5	100.4	121.2	105.9	149.0	111.8	179.8	117.9	213.1	124.4
10	VPM2258OR-200N	200	2	06TTR266	106.8	160.6	141.6	166.0	182.7	171.6	230.1	177.5	283.5	183.6	342.7	189.9
11	VPM2258OR-250N	250	2	06TTR301	132.6	169.3	173.3	176.7	221.1	184.6	275.2	192.9	335.1	201.7	400.2	211.0
12	VPM2258OR-300N	300	2	06TTR356	162.3	183.3	205.2	191.9	256.1	201.8	314.6	212.7	380.2	224.7	452.9	237.6
13	VPM3258OR-150N	150	3	06TSR137	73.3	124.6	101.2	129.4	133.7	134.6	170.4	140.3	210.9	146.3	254.9	152.7
14	VPM3258OR-180N	180	3	06TSR155	85.4	130.1	115.4	135.3	150.1	141.2	189.4	147.7	232.5	154.7	279.2	162.3
15	VPM3258OR-225N	225	3	06TSR186	113.1	143.0	144.8	150.7	181.7	158.9	223.6	167.7	269.7	176.9	319.7	186.5
16	VPM3258OR-300N	300	3	06TTR266	160.3	240.9	212.3	248.9	274.1	257.4	345.2	266.2	425.2	275.3	514.0	284.8
17	VPM3258OR-375N	375	3	06TTR301	198.8	254.0	260.0	265.0	331.6	276.8	412.8	289.3	502.6	302.6	600.3	316.5
18	VPM3258OR-450N	450	3	06TTR356	243.5	274.9	307.9	287.9	384.2	302.6	471.8	319.1	570.3	337.1	679.4	356.4
19	VPM4258OR-200N	200	4	06TSR137	97.7	166.2	134.9	172.6	178.2	179.5	227.2	187.0	281.2	195.0	339.8	203.6
20	VPM4258OR-240N	240	4	06TSR155	113.9	173.4	153.9	180.4	200.2	188.3	252.5	196.9	310.0	206.3	372.2	216.4
21	VPM4258OR-300N	300	4	06TSR186	150.8	190.6	193.0	200.9	242.3	211.9	298.1	223.6	359.6	235.8	426.3	248.7
22	VPM4258OR-400N	400	4	06TTR266	213.7	321.2	283.1	331.9	365.4	343.2	460.2	354.9	566.9	367.1	685.4	379.8
23	VPM4258OR-500N	500	4	06TTR301	265.1	338.6	346.7	353.4	442.1	369.1	550.4	385.7	670.2	403.4	800.4	422.0
24	VPM4258OR-600N	600	4	06TTR356	324.7	366.5	410.5	383.9	512.3	403.5	629.1	425.4	760.4	449.4	905.8	475.2

MT Screw Rack's Cooling Capacity and Input Power (R404A) - with Economizer

SDT=35°C					SST(°C)									
Item	Rack Model	HP	Compressor		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPP1268OR-60N	60	1	06TSM137	122.9	43.7	146.8	45.2	173.8	46.8	203.7	48.2	236.4	49.5
2	VPP1268OR-75N	75	1	06TSM155	136.8	48.5	163.7	50.4	193.8	52.2	227.2	53.8	263.7	55.0
3	VPP1268OR-125N	125	1	06TTM266	265.0	84.3	313.3	87.8	367.8	91.4	428.4	94.7	494.9	97.7
4	VPP1268OR-150N	150	1	06TTM301	298.2	93.8	353.3	98.2	415.2	102.5	483.9	105.9	559.2	106.7
7	VPP2268OR-120N	120	2	06TSM137	245.7	87.3	293.6	90.5	347.6	93.5	407.4	96.4	472.8	99.0
8	VPP2268OR-150N	150	2	06TSM155	273.6	97.0	327.4	100.9	387.7	104.5	454.5	107.6	527.4	109.9
9	VPP2268OR-250N	250	2	06TTM266	530.0	168.5	626.6	175.6	735.7	182.7	856.7	189.5	989.7	195.3
10	VPP2268OR-300N	300	2	06TTM301	596.4	187.5	706.6	196.5	830.5	204.9	967.8	211.8	1118.4	213.4
13	VPP3268OR-180N	180	3	06TSM137	368.6	131.0	440.4	135.7	521.3	140.3	611.0	144.6	709.2	148.4
14	VPP3268OR-225N	225	3	06TSM155	410.5	145.5	491.0	151.3	581.5	156.7	681.7	161.5	791.2	164.9
15	VPP3268OR-375N	375	3	06TTM266	795.1	252.8	940.0	263.5	1103.5	274.1	1285.1	284.2	1484.6	293.0
16	VPP3268OR-450N	450	3	06TTM301	894.6	281.3	1059.9	294.7	1245.7	307.4	1451.8	317.7	1677.6	320.0
19	VPP4268OR-240N	240	4	06TSM137	491.4	174.6	587.2	180.9	695.1	187.0	814.7	192.8	945.6	197.9
20	VPP4268OR-300N	300	4	06TSM155	547.3	194.0	654.7	201.7	775.3	209.0	908.9	215.3	1054.9	219.8
21	VPP4268OR-500N	500	4	06TTM266	1060.1	337.0	1253.3	351.3	1471.4	365.4	1713.4	379.0	1979.4	390.7
22	VPP4268OR-600N	600	4	06TTM301	1192.8	375.0	1413.2	392.9	1660.9	409.8	1935.7	423.6	2236.8	426.7

SDT=40°C					SST(°C)									
Item	Rack Model	HP	Compressor		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPP1268OR-60N	60	1	06TSR137	118.0	48.0	139.7	49.7	164.5	51.4	192.1	52.9	222.3	54.4
2	VPP1268OR-75N	75	1	06TSR155	129.9	52.8	153.9	55.0	181.1	57.1	211.5	59.0	244.9	60.6
3	VPP1268OR-125N	125	1	06TSR186	255.6	92.0	299.5	95.7	349.4	99.5	405.0	103.2	466.4	106.7
4	VPP1268OR-150N	150	1	06TTR266	284.1	101.6	333.7	106.4	390.0	111.1	452.7	115.5	521.7	119.2
7	VPP2268OR-120N	120	2	06TSR137	236.0	96.1	279.5	99.5	329.0	102.7	384.1	105.9	444.7	108.8
8	VPP2268OR-150N	150	2	06TSR155	259.7	105.6	307.8	109.9	362.3	114.1	423.0	118.0	489.7	121.2
9	VPP2268OR-250N	250	2	06TSR186	511.2	183.9	599.0	191.4	698.7	199.0	810.0	206.4	932.9	213.3
10	VPP2268OR-300N	300	2	06TTR266	568.2	203.2	667.4	212.7	780.0	222.1	905.5	231.0	1043.5	238.3
13	VPP3268OR-180N	180	3	06TSR137	354.1	144.1	419.2	149.2	493.5	154.1	576.2	158.8	667.0	163.2
14	VPP3268OR-225N	225	3	06TSR155	389.6	158.3	461.6	164.9	543.4	171.2	634.5	176.9	734.6	181.9
15	VPP3268OR-375N	375	3	06TSR186	766.7	275.9	898.5	287.2	1048.1	298.5	1215.0	309.6	1399.3	320.0
16	VPP3268OR-450N	450	3	06TTR266	852.3	304.7	1001.1	319.1	1170.0	333.2	1358.2	346.5	1565.2	357.5
19	VPP4268OR-240N	240	4	06TSR137	472.1	192.2	559.0	199.0	658.0	205.5	768.2	211.8	889.3	217.6
20	VPP4268OR-300N	300	4	06TSR155	519.4	211.1	615.5	219.9	724.5	228.2	846.0	235.9	979.5	242.5
21	VPP4268OR-500N	500	4	06TSR186	1022.3	367.8	1198.0	382.9	1397.4	398.0	1620.0	412.8	1865.7	426.6
22	VPP4268OR-600N	600	4	06TTR266	1136.4	406.3	1334.8	425.5	1560.0	444.2	1811.0	462.0	2087.0	476.6

SDT=45°C					SST(°C)									
Item	Rack Model	HP	Compressor		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPP1268OR-60N	60	1	06TSM137	112.7	52.9	132.3	54.7	154.8	56.5	180.0	58.2	207.9	59.8
2	VPP1268OR-75N	75	1	06TSM155	122.9	57.7	144.1	60.1	168.5	62.5	195.9	64.7	226.2	66.7
3	VPP1268OR-125N	125	1	06TTM266	245.1	100.5	284.6	104.5	329.8	108.5	380.7	112.4	437.1	116.2
4	VPP1268OR-150N	150	1	06TTM301	269.7	110.6	313.8	115.6	364.5	120.7	421.4	125.6	484.3	130.2
7	VPP2268OR-120N	120	2	06TSM137	225.5	105.8	264.6	109.4	309.6	112.9	360.0	116.4	415.8	119.5
8	VPP2268OR-150N	150	2	06TSM155	245.8	115.4	288.2	120.3	337.0	125.0	391.8	129.4	452.4	133.3
9	VPP2268OR-250N	250	2	06TTM266	490.2	201.0	569.2	208.9	659.7	216.9	761.4	224.9	874.2	232.5
10	VPP2268OR-300N	300	2	06TTM301	539.3	221.2	627.7	231.3	729.0	241.3	842.8	251.1	968.5	260.3
13	VPP3268OR-180N	180	3	06TSM137	338.2	158.7	396.8	164.1	464.3	169.4	540.0	174.6	623.6	179.3
14	VPP3268OR-225N	225	3	06TSM155	368.7	173.1	432.3	180.4	505.4	187.4	587.6	194.0	678.6	200.0
15	VPP3268OR-375N	375	3	06TTM266	735.3	301.4	853.8	313.4	989.5	325.4	1142.2	337.3	1311.3	348.7
16	VPP3268OR-450N	450	3	06TTM301	809.0	331.8	941.5	346.9	1093.5	362.0	1264.2	376.7	1452.8	390.5
19	VPP4268OR-240N	240	4	06TSM137	451.0	211.6	529.1	218.8	619.1	225.9	720.0	232.8	831.5	239.1
20	VPP4268OR-300N	300	4	06TSM155	491.6	230.8	576.4	240.6	673.9	249.9	783.5	258.7	904.8	266.6
21	VPP4268OR-500N	500	4	06TTM266	980.4	401.9	1138.4	417.8	1319.4	433.9	1522.9	449.7	1748.4	464.9
22	VPP4268OR-600N	600	4	06TTM301	1078.6	442.4	1255.4	462.5	1458.0	482.6	1685.6	502.2	1937.0	520.6

LT Screw Rack's Cooling Capacity and Input Power (R507A) - without Economizer

SDT=35°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFM1268OR-50N	50	1	06TSR137	19.5	31.5	26.8	32.7	36.0	33.9	47.2	35.3	60.6	36.7	76.3	38.2
2	VFM1268OR-60N	60	1	06TSR155	22.9	33.4	31.2	34.8	41.6	36.4	54.0	38.2	68.8	40.1	86.1	42.1
3	VFM1268OR-75N	75	1	06TSR186	29.5	37.2	39.1	39.1	51.1	41.5	65.4	44.1	82.3	47.2	102.0	50.5
4	VFM1268OR-100N	100	1	06TTR266	43.1	61.4	58.1	63.5	76.9	65.6	99.6	67.9	126.6	70.2	158.1	72.6
5	VFM1268OR-125N	125	1	06TTR301	50.1	65.4	67.1	68.2	88.4	71.3	114.1	74.7	144.5	78.5	180.1	82.6
6	VFM1268OR-150N	150	1	06TTR356	63.0	71.1	83.0	74.7	107.8	79.0	137.9	84.0	173.5	89.9	215.0	96.5
7	VFM2268OR-100N	100	2	06TSR137	39.0	62.9	53.6	65.3	72.0	67.8	94.5	70.5	121.2	73.4	152.6	76.4
8	VFM2268OR-120N	120	2	06TSR155	45.8	66.8	62.4	69.6	83.1	72.8	108.0	76.3	137.6	80.1	172.1	84.3
9	VFM2268OR-150N	150	2	06TSR186	59.0	74.3	78.3	78.3	102.1	82.9	130.8	88.3	164.7	94.3	204.1	101.0
10	VFM2268OR-200N	200	2	06TTR266	86.2	122.9	116.1	127.0	153.7	131.3	199.2	135.7	253.2	140.4	316.2	145.3
11	VFM2268OR-250N	250	2	06TTR301	100.1	130.9	134.2	136.4	176.7	142.6	228.2	149.4	289.1	157.0	360.1	165.2
12	VFM2268OR-300N	300	2	06TTR356	126.1	142.3	166.0	149.3	215.7	157.9	275.7	168.1	346.9	179.8	429.9	193.1
13	VFM3268OR-150N	150	3	06TSR137	58.5	94.4	80.5	98.0	108.1	101.8	141.7	105.8	181.8	110.1	228.9	114.6
14	VFM3268OR-180N	180	3	06TSR155	68.7	100.1	93.7	104.4	124.7	109.2	162.1	114.5	206.4	120.2	258.2	126.4
15	VFM3268OR-225N	225	3	06TSR186	88.4	111.5	117.4	117.4	153.2	124.4	196.2	132.4	247.0	141.5	306.1	151.6
16	VFM3268OR-300N	300	3	06TTR266	129.3	184.3	174.2	190.4	230.6	196.9	298.8	203.6	379.8	210.6	474.3	217.9
17	VFM3268OR-375N	375	3	06TTR301	150.2	196.3	201.3	204.6	265.1	213.9	342.2	224.2	433.6	235.5	540.2	247.8
18	VFM3268OR-450N	450	3	06TTR356	189.1	213.4	249.1	224.0	323.5	236.9	413.6	252.1	520.4	269.7	644.9	289.6
19	VFM4268OR-200N	200	4	06TSR137	78.0	125.9	107.3	130.6	144.1	135.7	188.9	141.1	242.4	146.8	305.2	152.8
20	VFM4268OR-240N	240	4	06TSR155	91.6	133.5	124.9	139.2	166.2	145.6	216.1	152.6	275.2	160.3	344.2	168.6
21	VFM4268OR-300N	300	4	06TSR186	117.9	148.6	156.6	156.5	204.2	165.8	261.6	176.6	329.4	188.6	408.1	202.1
22	VFM4268OR-400N	400	4	06TTR266	172.4	245.7	232.3	253.9	307.4	262.5	398.4	271.4	506.4	280.8	632.4	290.5
23	VFM4268OR-500N	500	4	06TTR301	200.2	261.8	268.4	272.8	353.5	285.2	456.3	298.9	578.2	314.0	720.2	330.4
24	VFM4268OR-600N	600	4	06TTR356	252.2	284.5	332.1	298.6	431.4	315.8	551.5	336.1	693.8	359.6	859.8	386.1

SDT=40°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFM1268OR-50N	50	1	06TSR137	16.2	34.7	22.8	36.0	31.2	37.3	41.4	38.7	53.7	40.2	68.1	41.7
2	VFM1268OR-60N	60	1	06TSR155	19.3	36.7	26.9	38.2	36.4	39.8	47.9	41.6	61.5	43.5	77.5	45.7
3	VFM1268OR-75N	75	1	06TSR186	25.7	40.7	34.5	42.7	45.4	45.1	58.6	47.8	74.3	50.8	92.5	54.2
4	VFM1268OR-100N	100	1	06TTR266	36.9	69.0	50.7	71.0	67.9	73.0	88.9	75.2	113.9	77.4	143.1	79.8
5	VFM1268OR-125N	125	1	06TTR301	43.4	72.1	59.1	74.9	78.6	77.9	102.3	81.3	130.5	85.1	163.5	89.2
6	VFM1268OR-150N	150	1	06TTR356	55.6	78.4	73.9	81.8	96.8	86.0	124.6	91.0	157.7	96.7	196.4	103.2
7	VFM2268OR-100N	100	2	06TSR137	32.4	69.5	45.6	72.0	62.3	74.6	82.8	77.4	107.4	80.3	136.3	83.4
8	VFM2268OR-120N	120	2	06TSR155	38.6	73.4	53.8	76.3	72.7	79.6	95.7	83.2	123.0	87.1	155.0	91.3
9	VFM2268OR-150N	150	2	06TSR186	51.3	81.4	69.0	85.5	90.8	90.2	117.2	95.6	148.6	101.7	185.1	108.4
10	VFM2268OR-200N	200	2	06TTR266	73.8	138.0	101.4	141.9	135.8	146.0	177.8	150.3	227.7	154.8	286.2	159.5
11	VFM2268OR-250N	250	2	06TTR301	86.9	144.2	118.2	149.7	157.2	155.9	204.6	162.7	261.0	170.2	327.0	178.4
12	VFM2268OR-300N	300	2	06TTR356	111.1	156.7	147.8	163.6	193.7	172.0	249.3	181.9	315.4	193.4	392.7	206.5
13	VFM3268OR-150N	150	3	06TSR137	48.7	104.2	68.5	107.9	93.5	111.9	124.3	116.1	161.1	120.5	204.4	125.2
14	VFM3268OR-180N	180	3	06TSR155	58.0	110.1	80.7	114.5	109.1	119.4	143.6	124.8	184.6	130.6	232.5	137.0
15	VFM3268OR-225N	225	3	06TSR186	77.0	122.2	103.5	128.2	136.2	135.2	175.9	143.3	222.8	152.5	277.6	162.7
16	VFM3268OR-300N	300	3	06TTR266	110.7	207.0	152.1	212.9	203.8	219.0	266.7	225.5	341.6	232.2	429.3	239.3
17	VFM3268OR-375N	375	3	06TTR301	130.3	216.4	177.2	224.6	235.8	233.8	307.0	244.0	391.5	255.3	490.5	267.6
18	VFM3268OR-450N	450	3	06TTR356	166.7	235.1	221.8	245.3	290.5	257.9	373.9	272.9	473.1	290.1	589.1	309.7
19	VFM4268OR-200N	200	4	06TSR137	64.9	139.0	91.3	143.9	124.7	149.2	165.7	154.8	214.8	160.6	272.5	166.9
20	VFM4268OR-240N	240	4	06TSR155	77.3	146.8	107.6	152.7	145.5	159.2	191.4	166.4	246.1	174.2	310.0	182.6
21	VFM4268OR-300N	300	4	06TSR186	102.7	162.9	138.0	170.9	181.6	180.3	234.5	191.1	297.1	203.3	370.2	216.9
22	VFM4268OR-400N	400	4	06TTR266	147.6	276.0	202.8	283.8	271.7	292.0	355.6	300.6	455.5	309.6	572.4	319.0
23	VFM4268OR-500N	500	4	06TTR301	173.8	288.5	236.3	299.4	314.4	311.7	409.3	325.4	522.0	340.4	654.0	356.8
24	VFM4268OR-600N	600	4	06TTR356	222.2	313.5	295.7	327.1	387.3	343.9	498.6	363.8	630.8	386.8	785.4	413.0

SDT=45°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFM1268OR-50N	50	1	06TSR137	13.0	38.3	18.9	39.6	26.3	41.0	35.6	42.4	46.7	43.9	59.9	45.5
2	VFM1268OR-60N	60	1	06TSR155	15.8	40.3	22.6	41.9	31.3	43.5	41.6	45.4	54.1	47.3	68.8	49.5
3	VFM1268OR-75N	75	1	06TSR186	21.8	44.7	29.8	46.7	39.7	49.1	51.7	51.8	66.0	54.9	82.8	58.3
4	VFM1268OR-100N	100	1	06TTR266	30.8	77.7	43.3	79.5	58.9	81.5	78.1	83.6	100.9	85.7	127.8	88.0
5	VFM1268OR-125N	125	1	06TTR301	36.9	79.5	51.0	82.2	68.7	85.3	90.4	88.7	116.2	92.4	146.6	96.5
6	VFM1268OR-150N	150	1	06TTR356	47.9	86.5	64.6	89.8	85.6	93.9	111.0	98.8	141.5	104.4	177.2	110.9
7	VFM2268OR-100N	100	2	06TSR137	26.0	76.7	37.7	79.2	52.7	81.9	71.2	84.8	93.4	87.9	119.8	91.1
8	VFM2268OR-120N	120	2	06TSR155	31.5	80.7	45.2	83.7	62.5	87.0	83.2	90.7	108.2	94.7	137.6	99.0
9	VFM2268OR-150N	150	2	06TSR186	43.6	89.3	59.5	93.4	79.3	98.1	103.4	103.6	132.1	109.7	165.6	116.5
10	VFM2268OR-200N	200	2	06TTR266	61.7	155.3	86.5	159.1	117.8	163.0	156.1	167.1	201.9	171.4	255.7	176.0
11	VFM2268OR-250N	250	2	06TTR301	73.8	159.0	102.0	164.5	137.5	170.6	180.8	177.4	232.5	184.8	293.2	193.0
12	VFM2268OR-300N	300	2	06TTR356	95.9	173.1	129.3	179.7	171.1	187.9	222.1	197.6	282.9	208.9	354.3	221.7
13	VFM3268OR-150N	150	3	06TSR137	38.9	115.0	56.6	118.8	79.0	122.9	106.7	127.2	140.2	131.8	179.7	136.6
14	VFM3268OR-180N	180	3	06TSR155	47.3	121.0	67.7	125.6	93.8	130.6	124.8	136.1	162.3	142.0	206.4	148.5
15	VFM3268OR-225N	225	3	06TSR186	65.4	134.0	89.3	140.0	119.0	147.2	155.1	155.4	198.1	164.6	248.4	174.8
16	VFM3268OR-300N	300	3	06TTR266	92.5	233.0	129.8	238.6	176.7	244.5	234.2	250.7	302.8	257.2	383.5	263.9
17	VFM3268OR-375N	375	3	06TTR301	110.7	238.6	153.1	246.7	206.2	255.9	271.2	266.0	348.7	277.3	439.7	289.5
18	VFM3268OR-450N	450	3	06TTR356	143.8	259.6	193.9	269.5	256.7	281.8	333.1	296.4	424.4	313.3	531.5	332.6
19	VFM4268OR-200N	200	4	06TSR137	51.9	153.3	75.4	158.4	105.3	163.9	142.3	169.6	186.9	175.7	239.6	182.1
20	VFM4268OR-240N	240	4	06TSR155	63.0	161.4	90.3	167.4	125.0	174.1	166.4	181.4	216.4	189.4	275.2	198.0
21	VFM4268OR-300N	300	4	06TSR186	87.2	178.6	119.0	186.7	158.6	196.2	206.8	207.2	264.1	219.4	331.2	233.1
22	VFM4268OR-400N	400	4	06TTR266	123.3	310.7	173.1	318.2	235.6	326.0	312.2	334.2	403.7	342.9	511.3	351.9
23	VFM4268OR-500N	500	4	06TTR301	147.6	318.1	204.1	328.9	275.0	341.2	361.6	354.7	464.9	369.7	586.3	386.0
24	VFM4268OR-600N	600	4	06TTR356	191.8	346.1	258.5	359.4	342.2	375.7	444.2	395.2	565.8	417.8	708.6	443.4

⊕ MT Screw Rack's Cooling Capacity and Input Power (R507A) - without Economizer

SDT=35°C					SST(°C)											
Item	Rack Model	HP	Compressor		-20		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFP1268OR-60N	60	1	06TSM137	84.3	38.8	104.9	40.4	129.3	42.3	157.7	44.4	190.4	46.7	227.5	49.2
2	VFP1268OR-75N	75	1	06TSM155	95.8	43.0	118.8	45.4	145.7	48.2	176.9	51.2	212.6	54.6	253.0	58.3
3	VFP1268OR-125N	125	1	06TTM266	187.4	74.5	230.9	78.2	282.0	82.5	340.9	87.5	408.2	93.1	484.3	99.3
4	VFP1268OR-150N	150	1	06TTM301	212.9	82.9	261.7	88.1	318.7	94.2	384.4	101.1	459.2	108.9	543.7	117.5
5	VFP2268OR-120N	120	2	06TSR137	168.6	77.5	209.8	80.9	258.6	84.7	315.4	88.8	380.7	93.4	454.9	98.4
6	VFP2268OR-150N	150	2	06TSR155	191.6	86.0	237.6	90.8	291.5	96.3	353.9	102.4	425.2	109.1	506.0	116.5
7	VFP2268OR-250N	250	2	06TSR186	374.8	148.9	461.9	156.3	563.9	165.0	681.8	174.9	816.4	186.1	968.6	198.6
8	VFP2268OR-300N	300	2	06TTR266	425.9	165.9	523.4	176.2	637.4	188.3	768.7	202.1	918.3	217.7	1087.3	235.0
9	VFP3268OR-180N	180	3	06TSR137	252.9	116.3	314.8	121.3	388.0	127.0	473.2	133.3	571.1	140.2	682.4	147.7
10	VFP3268OR-225N	225	3	06TSR155	287.5	129.0	356.3	136.3	437.2	144.5	530.8	153.6	637.8	163.7	759.0	174.8
11	VFP3268OR-375N	375	3	06TSR186	562.2	223.4	692.8	234.5	845.9	247.5	1022.7	262.4	1224.6	279.2	1453.0	297.9
12	VFP3268OR-450N	450	3	06TTR266	638.8	248.8	785.1	264.3	956.1	282.5	1153.1	303.2	1377.5	326.6	1631.0	352.6
13	VFP4268OR-240N	240	4	06TSR137	337.2	155.0	419.7	161.8	517.3	169.3	630.9	177.7	761.4	186.9	909.8	196.9
14	VFP4268OR-300N	300	4	06TSR155	383.3	172.0	475.1	181.7	583.0	192.6	707.7	204.8	850.4	218.2	1012.0	233.0
15	VFP4268OR-500N	500	4	06TSR186	749.6	297.9	923.8	312.7	1127.8	330.0	1363.6	349.8	1632.8	372.2	1937.3	397.2
16	VFP4268OR-600N	600	4	06TTR266	851.7	331.7	1046.8	352.4	1274.8	376.6	1537.4	404.3	1836.7	435.4	2174.6	470.1

SDT=40°C					SST(°C)											
Item	Rack Model	HP	Compressor		-20		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFP1268OR-60N	60	1	06TSM137	75.6	42.1	94.7	43.7	117.3	45.5	143.7	47.5	174.1	49.8	208.8	52.2
2	VFP1268OR-75N	75	1	06TSM155	86.2	46.4	107.4	48.7	132.4	51.3	161.5	54.3	194.8	57.5	232.5	61.1
3	VFP1268OR-125N	125	1	06TTM266	168.9	80.3	209.5	83.8	257.1	87.9	312.2	92.6	375.3	98.0	446.8	104.0
4	VFP1268OR-150N	150	1	06TTM301	192.2	88.9	237.7	93.8	290.9	99.5	352.3	106.1	422.5	113.7	501.8	122.0
5	VFP2268OR-120N	120	2	06TSR137	151.2	84.2	189.3	87.4	234.6	91.0	287.4	95.1	348.3	99.5	417.6	104.4
6	VFP2268OR-150N	150	2	06TSR155	172.3	92.7	214.8	97.3	264.9	102.6	322.9	108.5	389.5	115.1	465.0	122.3
7	VFP2268OR-250N	250	2	06TSR186	337.9	160.6	419.0	167.6	514.2	175.8	624.5	185.3	750.6	196.0	893.6	208.0
8	VFP2268OR-300N	300	2	06TTR266	384.4	177.7	475.3	187.5	581.7	199.0	704.6	212.3	844.9	227.3	1003.7	244.0
9	VFP3268OR-180N	180	3	06TSR137	226.7	126.2	284.0	131.1	351.9	136.6	431.1	142.6	522.4	149.3	626.5	156.6
10	VFP3268OR-225N	225	3	06TSR155	258.5	139.1	322.2	146.0	397.3	153.9	484.4	162.8	584.3	172.6	697.6	183.4
11	VFP3268OR-375N	375	3	06TSR186	506.8	241.0	628.4	251.4	771.3	263.7	936.7	277.9	1126.0	294.0	1340.3	312.0
12	VFP3268OR-450N	450	3	06TTR266	576.6	266.6	713.0	281.3	872.6	298.6	1056.9	318.4	1267.4	341.0	1505.5	366.1
13	VFP4268OR-240N	240	4	06TSR137	302.3	168.3	378.6	174.8	469.2	182.1	574.8	190.2	696.6	199.1	835.3	208.8
14	VFP4268OR-300N	300	4	06TSR155	344.6	185.4	429.6	194.7	529.7	205.2	645.9	217.0	779.0	230.1	930.1	244.5
15	VFP4268OR-500N	500	4	06TSR186	675.7	321.3	837.9	335.2	1028.4	351.6	1249.0	370.6	1501.3	392.0	1787.1	416.0
16	VFP4268OR-600N	600	4	06TTR266	768.8	355.4	950.6	375.0	1163.5	398.1	1409.2	424.6	1689.9	454.7	2007.3	488.1

SDT=45°C					SST(°C)											
Item	Rack Model	HP	Compressor		-20		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VFP1268OR-60N	60	1	06TSM137	66.6	46.0	84.1	47.5	104.9	49.3	129.3	51.2	157.5	53.4	189.7	55.8
2	VFP1268OR-75N	75	1	06TSM155	76.2	50.3	95.7	52.5	118.7	55.1	145.5	57.9	176.3	61.1	211.4	64.6
3	VFP1268OR-125N	125	1	06TTM266	149.7	87.4	187.2	90.6	231.2	94.5	282.4	99.0	341.1	104.2	407.7	109.9
4	VFP1268OR-150N	150	1	06TTM301	170.6	96.0	212.6	100.6	261.8	106.1	318.9	112.4	384.2	119.6	458.2	127.7
5	VFP2268OR-120N	120	2	06TSR137	133.2	92.0	168.2	95.1	209.8	98.6	258.6	102.5	315.0	106.8	379.3	111.5
6	VFP2268OR-150N	150	2	06TSR155	152.3	100.6	191.3	105.0	237.4	110.1	291.0	115.8	352.6	122.2	422.7	129.2
7	VFP2268OR-250N	250	2	06TSR186	299.5	174.7	374.3	181.2	462.5	189.0	564.8	198.0	682.1	208.3	815.4	219.8
8	VFP2268OR-300N	300	2	06TTR266	341.2	192.0	425.1	201.2	523.7	212.2	637.8	224.9	768.3	239.3	916.3	255.4
9	VFP3268OR-180N	180	3	06TSR137	199.8	138.0	252.3	142.6	314.8	147.9	387.9	153.7	472.4	160.2	569.0	167.3
10	VFP3268OR-225N	225	3	06TSR155	228.5	150.9	287.0	157.6	356.0	165.2	436.5	173.8	529.0	183.3	634.1	193.8
11	VFP3268OR-375N	375	3	06TSR186	449.2	262.1	561.5	271.9	693.7	283.5	847.2	297.0	1023.2	312.5	1223.1	329.8
12	VFP3268OR-450N	450	3	06TTR266	511.8	288.0	637.7	301.8	785.5	318.3	956.6	337.3	1152.5	358.9	1374.5	383.2
13	VFP4268OR-240N	240	4	06TSR137	266.4	184.0	336.4	190.2	419.7	197.2	517.2	205.0	629.9	213.6	758.6	223.1
14	VFP4268OR-300N	300	4	06TSR155	304.7	201.2	382.6	210.1	474.7	220.2	582.0	231.7	705.3	244.4	845.5	258.4
15	VFP4268OR-500N	500	4	06TSR186	599.0	349.4	748.6	362.5	925.0	378.0	1129.6	396.0	1364.3	416.6	1630.8	439.7
16	VFP4268OR-600N	600	4	06TTR266	682.4	384.0	850.3	402.4	1047.3	424.4	1275.5	449.7	1536.7	478.6	1832.6	510.9

LT Screw Rack's Cooling Capacity and Input Power (R404A) - without Economizer

SDT=35°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPM1268OR-50N	50	1	06TSR137	18.7	30.5	25.8	31.7	34.8	32.9	45.8	34.2	59.0	35.6	74.3	37.1
2	VPM1268OR-60N	60	1	06TSR155	22.0	32.3	30.1	33.7	40.2	35.2	52.5	36.9	67.0	38.8	83.9	40.8
3	VPM1268OR-75N	75	1	06TSR186	28.3	35.9	37.8	37.8	49.4	40.1	63.5	42.7	80.2	45.7	99.6	49.0
4	VPM1268OR-100N	100	1	06TTR266	41.3	59.5	56.0	61.5	74.3	63.6	96.6	65.8	123.1	68.1	154.1	70.5
5	VPM1268OR-125N	125	1	06TTR301	48.0	63.4	64.7	66.1	85.5	69.1	110.7	72.4	140.6	76.1	175.5	80.1
6	VPM1268OR-150N	150	1	06TTR356	60.6	68.8	80.1	72.2	104.4	76.4	133.9	81.4	168.8	87.1	209.6	93.5
7	VPM2268OR-100N	100	2	06TSR137	37.4	61.0	51.7	63.3	69.7	65.8	91.7	68.4	117.9	71.2	148.7	74.2
8	VPM2268OR-120N	120	2	06TSR155	44.0	64.6	60.3	67.3	80.5	70.4	104.9	73.9	134.0	77.6	167.8	81.7
9	VPM2268OR-150N	150	2	06TSR186	56.6	71.8	75.5	75.7	98.9	80.2	127.1	85.4	160.4	91.3	199.1	97.9
10	VPM2268OR-200N	200	2	06TTR266	82.5	119.0	112.0	123.0	148.7	127.2	193.3	131.6	246.3	136.2	308.1	141.0
11	VPM2268OR-250N	250	2	06TTR301	96.0	126.7	129.4	132.1	171.0	138.1	221.4	144.9	281.2	152.2	351.0	160.3
12	VPM2268OR-300N	300	2	06TTR356	121.2	137.5	160.2	144.4	208.8	152.8	267.8	162.7	337.7	174.1	419.3	187.1
13	VPM3268OR-150N	150	3	06TSR137	56.1	91.5	77.5	95.0	104.5	98.7	137.5	102.6	176.9	106.8	223.0	111.3
14	VPM3268OR-180N	180	3	06TSR155	66.0	96.8	90.4	101.0	120.7	105.7	157.4	110.8	201.0	116.4	251.7	122.5
15	VPM3268OR-225N	225	3	06TSR186	85.0	107.7	113.3	113.5	148.3	120.3	190.6	128.1	240.6	137.0	298.7	146.9
16	VPM3268OR-300N	300	3	06TTR266	123.8	178.5	168.0	184.5	223.0	190.8	289.9	197.4	369.4	204.3	462.2	211.5
17	VPM3268OR-375N	375	3	06TTR301	144.1	190.1	194.1	198.2	256.5	207.2	332.1	217.3	421.9	228.4	526.5	240.4
18	VPM3268OR-450N	450	3	06TTR356	181.8	206.3	240.3	216.6	313.3	229.2	401.6	244.1	506.5	261.2	628.9	280.6
19	VPM4268OR-200N	200	4	06TSR137	74.8	122.0	103.4	126.6	139.4	131.6	183.3	136.8	235.8	142.4	297.4	148.4
20	VPM4268OR-240N	240	4	06TSR155	88.0	129.1	120.5	134.7	161.0	140.9	209.9	147.7	268.0	155.2	335.6	163.4
21	VPM4268OR-300N	300	4	06TSR186	113.3	143.6	151.1	151.3	197.8	160.4	254.1	170.8	320.8	182.6	398.2	195.8
22	VPM4268OR-400N	400	4	06TTR266	165.1	238.0	224.0	246.0	297.4	254.4	386.6	263.2	492.5	272.4	616.3	282.0
23	VPM4268OR-500N	500	4	06TTR301	192.1	253.4	258.8	264.2	342.0	276.3	442.8	289.7	562.5	304.5	702.0	320.6
24	VPM4268OR-600N	600	4	06TTR356	242.4	275.1	320.4	288.8	417.7	305.6	535.5	325.4	675.4	348.2	838.5	374.1

SDT=40°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPM1268OR-50N	50	1	06TSR137	15.6	33.7	22.1	34.9	30.3	36.2	40.3	37.6	52.4	39.0	66.6	40.5
2	VPM1268OR-60N	60	1	06TSR155	18.6	35.5	26.1	37.0	35.4	38.5	46.6	40.3	60.1	42.2	75.8	44.3
3	VPM1268OR-75N	75	1	06TSR186	24.8	39.4	33.4	41.3	44.1	43.6	57.1	46.3	72.6	49.3	90.6	52.6
4	VPM1268OR-100N	100	1	06TTR266	35.5	66.9	49.0	68.8	65.9	70.8	86.5	72.9	111.1	75.2	139.9	77.5
5	VPM1268OR-125N	125	1	06TTR301	41.9	69.9	57.2	72.6	76.3	75.6	99.6	78.9	127.4	82.6	159.9	86.6
6	VPM1268OR-150N	150	1	06TTR356	53.6	75.8	71.6	79.2	94.1	83.3	121.4	88.1	154.0	93.7	192.1	100.1
7	VPM2268OR-100N	100	2	06TSR137	31.2	67.4	44.2	69.8	60.5	72.4	80.6	75.1	104.8	78.0	133.2	81.1
8	VPM2268OR-120N	120	2	06TSR155	37.3	71.1	52.1	73.9	70.7	77.1	93.3	80.6	120.2	84.4	151.6	88.6
9	VPM2268OR-150N	150	2	06TSR186	49.5	78.8	66.8	82.7	88.3	87.3	114.3	92.6	145.1	98.5	181.2	105.2
10	VPM2268OR-200N	200	2	06TTR266	71.1	133.8	98.1	137.6	131.9	141.7	173.1	145.9	222.2	150.3	279.8	154.9
11	VPM2268OR-250N	250	2	06TTR301	83.7	139.8	114.4	145.1	152.7	151.1	199.3	157.8	254.8	165.2	319.7	173.2
12	VPM2268OR-300N	300	2	06TTR356	107.2	151.6	143.2	158.3	188.2	166.5	242.9	176.2	308.0	187.5	384.2	200.2
13	VPM3268OR-150N	150	3	06TSR137	46.8	101.1	66.3	104.7	90.8	108.6	121.0	112.7	157.1	117.0	199.8	121.6
14	VPM3268OR-180N	180	3	06TSR155	55.9	106.6	78.2	110.9	106.1	115.6	139.9	120.9	180.3	126.6	227.5	132.8
15	VPM3268OR-225N	225	3	06TSR186	74.3	118.1	100.2	124.0	132.4	130.9	171.4	138.8	217.7	147.8	271.7	157.7
16	VPM3268OR-300N	300	3	06TTR266	106.6	200.7	147.1	206.4	197.8	212.5	259.6	218.8	333.3	225.5	419.7	232.4
17	VPM3268OR-375N	375	3	06TTR301	125.6	209.6	171.5	217.7	229.0	226.7	298.9	236.7	382.1	247.7	479.6	259.7
18	VPM3268OR-450N	450	3	06TTR356	160.8	227.5	214.8	237.5	282.3	249.8	364.3	264.4	462.0	281.2	576.2	300.3
19	VPM4268OR-200N	200	4	06TSR137	62.4	134.8	88.4	139.6	121.0	144.8	161.3	150.2	209.5	156.0	266.4	162.1
20	VPM4268OR-240N	240	4	06TSR155	74.5	142.1	104.2	147.8	141.4	154.2	186.6	161.2	240.4	168.8	303.3	177.1
21	VPM4268OR-300N	300	4	06TSR186	99.0	157.5	133.6	165.4	176.5	174.6	228.6	185.1	290.3	197.0	362.3	210.3
22	VPM4268OR-400N	400	4	06TTR266	142.2	267.6	196.1	275.2	263.7	283.3	346.2	291.8	444.4	300.6	559.6	309.8
23	VPM4268OR-500N	500	4	06TTR301	167.4	279.5	228.7	290.2	305.3	302.2	398.6	315.6	509.5	330.3	639.4	346.3
24	VPM4268OR-600N	600	4	06TTR356	214.4	303.3	286.4	316.6	376.4	333.0	485.8	352.5	616.0	374.9	768.3	400.4

SDT=45°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPM1268OR-50N	50	1	06TSR137	12.5	37.2	18.3	38.5	25.7	39.8	34.8	41.2	45.8	42.7	58.8	44.3
2	VPM1268OR-60N	60	1	06TSR155	15.3	39.1	22.0	40.6	30.4	42.2	40.7	44.0	53.1	45.9	67.6	48.0
3	VPM1268OR-75N	75	1	06TSR186	21.1	43.2	28.9	45.2	38.7	47.5	50.6	50.2	64.8	53.2	81.4	56.6
4	VPM1268OR-100N	100	1	06TTR266	29.8	75.4	42.1	77.2	57.5	79.1	76.3	81.2	98.9	83.3	125.5	85.5
5	VPM1268OR-125N	125	1	06TTR301	35.7	77.1	49.6	79.8	67.1	82.8	88.4	86.1	113.9	89.7	143.9	93.7
6	VPM1268OR-150N	150	1	06TTR356	46.5	83.8	62.9	87.0	83.5	91.0	108.7	95.8	138.7	101.3	174.0	107.6
7	VPM2268OR-100N	100	2	06TSR137	25.1	74.4	36.6	76.9	51.3	79.6	69.6	82.4	91.6	85.4	117.6	88.5
8	VPM2268OR-120N	120	2	06TSR155	30.5	78.2	44.0	81.1	60.8	84.4	81.5	87.9	106.1	91.8	135.1	96.1
9	VPM2268OR-150N	150	2	06TSR186	42.2	86.4	57.9	90.4	77.4	95.1	101.2	100.4	129.6	106.4	162.8	113.1
10	VPM2268OR-200N	200	2	06TTR266	59.7	150.7	84.1	154.4	114.9	158.3	152.6	162.3	197.8	166.6	250.9	171.0
11	VPM2268OR-250N	250	2	06TTR301	71.4	154.2	99.2	159.5	134.1	165.5	176.8	172.1	227.9	179.5	287.8	187.4
12	VPM2268OR-300N	300	2	06TTR356	93.0	167.5	125.8	174.0	167.0	182.1	217.4	191.6	277.5	202.6	348.0	215.1
13	VPM3268OR-150N	150	3	06TSR137	37.6	111.6	54.9	115.4	77.0	119.3	104.4	123.6	137.3	128.0	176.4	132.8
14	VPM3268OR-180N	180	3	06TSR155	45.8	117.3	65.9	121.7	91.3	126.6	122.2	131.9	159.2	137.8	202.7	144.1
15	VPM3268OR-225N	225	3	06TSR186	63.3	129.7	86.8	135.6	116.1	142.6	151.8	150.6	194.3	159.6	244.2	169.7
16	VPM3268OR-300N	300	3	06TTR266	89.5	226.1	126.2	231.6	172.4	237.4	229.0	243.5	296.7	249.8	376.4	256.5
17	VPM3268OR-375N	375	3	06TTR301	107.1	231.3	148.8	239.3	201.2	248.3	265.2	258.2	341.8	269.2	431.7	281.2
18	VPM3268OR-450N	450	3	06TTR356	139.4	251.3	188.7	261.1	250.5	273.1	326.0	287.4	416.2	303.9	522.0	322.7
19	VPM4268OR-200N	200	4	06TSR137	50.2	148.8	73.2	153.8	102.7	159.1	139.2	164.8	183.1	170.7	235.2	177.0
20	VPM4268OR-240N	240	4	06TSR155	61.0	156.4	87.9	162.2	121.7	168.8	162.9	175.9	212.3	183.7	270.3	192.2
21	VPM4268OR-300N	300	4	06TSR186	84.4	172.9	115.7	180.8	154.8	190.2	202.4	200.8	259.1	212.8	325.6	226.2
22	VPM4268OR-400N	400	4	06TTR266	119.4	301.4	168.2	308.8	229.8	316.5	305.3	324.6	395.6	333.1	501.9	342.0
23	VPM4268OR-500N	500	4	06TTR301	142.8	308.4	198.4	319.0	268.2	331.0	353.6	344.3	455.7	358.9	575.6	374.9
24	VPM4268OR-600N	600	4	06TTR356	185.9	335.1	251.6	348.1	334.0	364.1	434.7	383.2	554.9	405.2	696.0	430.3

⊕ MT Screw Rack's Cooling Capacity and Input Power (R404A) - without Economizer

SDT=35°C					SST(°C)									
Item	Rack Model	HP	Compressor		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPP1268OR-60N	60	1	06TSM137	122.9	43.7	146.8	45.2	173.8	46.8	203.7	48.2	236.4	49.5
2	VPP1268OR-75N	75	1	06TSM155	136.8	48.5	163.7	50.4	193.8	52.2	227.2	53.8	263.7	55.0
3	VPP1268OR-125N	125	1	06TTM266	265.0	84.3	313.3	87.8	367.8	91.4	428.4	94.7	494.9	97.7
4	VPP1268OR-150N	150	1	06TTM301	298.2	93.8	353.3	98.2	415.2	102.5	483.9	105.9	559.2	106.7
7	VPP2268OR-120N	120	2	06TSM137	245.7	87.3	293.6	90.5	347.6	93.5	407.4	96.4	472.8	99.0
8	VPP2268OR-150N	150	2	06TSM155	273.6	97.0	327.4	100.9	387.7	104.5	454.5	107.6	527.4	109.9
9	VPP2268OR-250N	250	2	06TTM266	530.0	168.5	626.6	175.6	735.7	182.7	856.7	189.5	989.7	195.3
10	VPP2268OR-300N	300	2	06TTM301	596.4	187.5	706.6	196.5	830.5	204.9	967.8	211.8	1118.4	213.4
13	VPP3268OR-180N	180	3	06TSM137	368.6	131.0	440.4	135.7	521.3	140.3	611.0	144.6	709.2	148.4
14	VPP3268OR-225N	225	3	06TSM155	410.5	145.5	491.0	151.3	581.5	156.7	681.7	161.5	791.2	164.9
15	VPP3268OR-375N	375	3	06TTM266	795.1	252.8	940.0	263.5	1103.5	274.1	1285.1	284.2	1484.6	293.0
16	VPP3268OR-450N	450	3	06TTM301	894.6	281.3	1059.9	294.7	1245.7	307.4	1451.8	317.7	1677.6	320.0
19	VPP4268OR-240N	240	4	06TSM137	491.4	174.6	587.2	180.9	695.1	187.0	814.7	192.8	945.6	197.9
20	VPP4268OR-300N	300	4	06TSM155	547.3	194.0	654.7	201.7	775.3	209.0	908.9	215.3	1054.9	219.8
21	VPP4268OR-500N	500	4	06TTM266	1060.1	337.0	1253.3	351.3	1471.4	365.4	1713.4	379.0	1979.4	390.7
22	VPP4268OR-600N	600	4	06TTM301	1192.8	375.0	1413.2	392.9	1660.9	409.8	1935.7	423.6	2236.8	426.7

SDT=40°C					SST(°C)									
Item	Rack Model	HP	Compressor		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPP1268OR-60N	60	1	06TSR137	118.0	48.0	139.7	49.7	164.5	51.4	192.1	52.9	222.3	54.4
2	VPP1268OR-75N	75	1	06TSR155	129.9	52.8	153.9	55.0	181.1	57.1	211.5	59.0	244.9	60.6
3	VPP1268OR-125N	125	1	06TSR186	255.6	92.0	299.5	95.7	349.4	99.5	405.0	103.2	466.4	106.7
4	VPP1268OR-150N	150	1	06TTR266	284.1	101.6	333.7	106.4	390.0	111.1	452.7	115.5	521.7	119.2
7	VPP2268OR-120N	120	2	06TSR137	236.0	96.1	279.5	99.5	329.0	102.7	384.1	105.9	444.7	108.8
8	VPP2268OR-150N	150	2	06TSR155	259.7	105.6	307.8	109.9	362.3	114.1	423.0	118.0	489.7	121.2
9	VPP2268OR-250N	250	2	06TSR186	511.2	183.9	599.0	191.4	698.7	199.0	810.0	206.4	932.9	213.3
10	VPP2268OR-300N	300	2	06TTR266	568.2	203.2	667.4	212.7	780.0	222.1	905.5	231.0	1043.5	238.3
13	VPP3268OR-180N	180	3	06TSR137	354.1	144.1	419.2	149.2	493.5	154.1	576.2	158.8	667.0	163.2
14	VPP3268OR-225N	225	3	06TSR155	389.6	158.3	461.6	164.9	543.4	171.2	634.5	176.9	734.6	181.9
15	VPP3268OR-375N	375	3	06TSR186	766.7	275.9	898.5	287.2	1048.1	298.5	1215.0	309.6	1399.3	320.0
16	VPP3268OR-450N	450	3	06TTR266	852.3	304.7	1001.1	319.1	1170.0	333.2	1358.2	346.5	1565.2	357.5
19	VPP4268OR-240N	240	4	06TSR137	472.1	192.2	559.0	199.0	658.0	205.5	768.2	211.8	889.3	217.6
20	VPP4268OR-300N	300	4	06TSR155	519.4	211.1	615.5	219.9	724.5	228.2	846.0	235.9	979.5	242.5
21	VPP4268OR-500N	500	4	06TSR186	1022.3	367.8	1198.0	382.9	1397.4	398.0	1620.0	412.8	1865.7	426.6
22	VPP4268OR-600N	600	4	06TTR266	1136.4	406.3	1334.8	425.5	1560.0	444.2	1811.0	462.0	2087.0	476.6

SDT=45°C					SST(°C)									
Item	Rack Model	HP	Compressor		-15		-10		-5		0		5	
			Quantity	Model	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
1	VPP1268OR-60N	60	1	06TSM137	112.7	52.9	132.3	54.7	154.8	56.5	180.0	58.2	207.9	59.8
2	VPP1268OR-75N	75	1	06TSM155	122.9	57.7	144.1	60.1	168.5	62.5	195.9	64.7	226.2	66.7
3	VPP1268OR-125N	125	1	06TTM266	245.1	100.5	284.6	104.5	329.8	108.5	380.7	112.4	437.1	116.2
4	VPP1268OR-150N	150	1	06TTM301	269.7	110.6	313.8	115.6	364.5	120.7	421.4	125.6	484.3	130.2
7	VPP2268OR-120N	120	2	06TSM137	225.5	105.8	264.6	109.4	309.6	112.9	360.0	116.4	415.8	119.5
8	VPP2268OR-150N	150	2	06TSM155	245.8	115.4	288.2	120.3	337.0	125.0	391.8	129.4	452.4	133.3
9	VPP2268OR-250N	250	2	06TTM266	490.2	201.0	569.2	208.9	659.7	216.9	761.4	224.9	874.2	232.5
10	VPP2268OR-300N	300	2	06TTM301	539.3	221.2	627.7	231.3	729.0	241.3	842.8	251.1	968.5	260.3
13	VPP3268OR-180N	180	3	06TSM137	338.2	158.7	396.8	164.1	464.3	169.4	540.0	174.6	623.6	179.3
14	VPP3268OR-225N	225	3	06TSM155	368.7	173.1	432.3	180.4	505.4	187.4	587.6	194.0	678.6	200.0
15	VPP3268OR-375N	375	3	06TTM266	735.3	301.4	853.8	313.4	989.5	325.4	1142.2	337.3	1311.3	348.7
16	VPP3268OR-450N	450	3	06TTM301	809.0	331.8	941.5	346.9	1093.5	362.0	1264.2	376.7	1452.8	390.5
19	VPP4268OR-240N	240	4	06TSM137	451.0	211.6	529.1	218.8	619.1	225.9	720.0	232.8	831.5	239.1
20	VPP4268OR-300N	300	4	06TSM155	491.6	230.8	576.4	240.6	673.9	249.9	783.5	258.7	904.8	266.6
21	VPP4268OR-500N	500	4	06TTM266	980.4	401.9	1138.4	417.8	1319.4	433.9	1522.9	449.7	1748.4	464.9
22	VPP4268OR-600N	600	4	06TTM301	1078.6	442.4	1255.4	462.5	1458.0	482.6	1685.6	502.2	1937.0	520.6

Screw Rack Technical Parameters

Product Series	Dimension of Racks' External Pipes					External Dimensions			Max. Working Current A	Weight kg	Machine Room Ventilation Rate m³/H/F
	Racks Model	Discharge DL	Suction SL	Liquid Pipe Inlet	Liquid Pipe Outlet	L	W	H/F			
LT Screw Racks	VP(H/F)M1258OR-50N	DN50	1*DN80	1-3/8"	1-1/8"	2300	1650	1920	119	1300	5500
	VP(H/F)M1258OR-60N	DN50	1*DN80	1-3/8"	1-1/8"	2300	1650	1920	145	1307	6600
	VP(H/F)M1258OR-75N	DN50	1*DN80	1-3/8"	1-1/8"	2300	1650	1920	146	1324	8250
	VP(H/F)M1258OR-100N	DN65	1*DN100	2-1/8"	1-5/8"	2300	1650	1920	223	1713	11000
	VP(H/F)M1258OR-125N	DN65	1*DN100	2-1/8"	1-5/8"	2300	1650	1920	247	1733	13750
	VP(H/F)M1258OR-150N	DN65	1*DN100	2-1/8"	1-5/8"	2300	1650	1920	279	1765	16500
	VP(H/F)M2258OR-100N	DN65	1*DN100	2-1/8"	1-5/8"	3250	1950	2250	238	2475	7500
	VP(H/F)M2258OR-120N	DN65	1*DN100	2-1/8"	1-5/8"	3250	1950	2250	290	2489	9000
	VP(H/F)M2258OR-150N	DN65	1*DN100	2-1/8"	1-5/8"	3250	1950	2250	292	2543	11250
	VP(H/F)M2258OR-200N	DN80	1*DN150	DN65	2-1/8"	3250	1950	2250	446	2976	15000
	VP(H/F)M2258OR-250N	DN80	1*DN150	DN65	2-1/8"	3250	1950	2250	494	3016	18750
	VP(H/F)M2258OR-300N	DN80	1*DN150	DN65	2-1/8"	3250	1950	2250	558	3163	22500
	VP(H/F)M3258OR-150N	DN65	1*DN125	2-1/8"	1-5/8"	4050	1950	2250	357	3228	11250
	VP(H/F)M3258OR-180N	DN65	1*DN125	2-1/8"	1-5/8"	4050	1950	2250	435	3259	13500
	VP(H/F)M3258OR-225N	DN80	1*DN150	DN65	2-1/8"	4050	1950	2250	438	3405	16875
	VP(H/F)M3258OR-300N	DN80	2*DN125	DN65	2-1/8"	4050	1950	2250	669	4298	22500
	VP(H/F)M3258OR-375N	DN100	2*DN150	DN80	DN65	4050	1950	2250	741	4659	28125
	VP(H/F)M3258OR-450N	DN100	2*DN150	DN80	DN65	4050	1950	2250	837	4755	33750
	VP(H/F)M4258OR-200N	DN80	1*DN150	DN65	2-1/8"	4800	1950	2250	476	4191	15000
	VP(H/F)M4258OR-240N	DN80	1*DN150	DN65	2-1/8"	4800	1950	2250	580	4239	18000
	VP(H/F)M4258OR-300N	DN80	1*DN150	DN65	2-1/8"	4800	1950	2250	584	4389	22500
	VP(H/F)M4258OR-400N	DN100	2*DN150	DN80	DN65	4800	1950	2250	892	5744	30000
	VP(H/F)M4258OR-500N	DN125	2*DN150	DN80	DN65	4800	1950	2250	988	5967	37500
	VP(H/F)M4258OR-600N	DN125	2*DN150	DN80	DN80	4800	1950	2250	1116	6152	45000
MT Screw Racks	VP(H/F)P1268OR-60N	DN50	1*DN80	2-1/8"	1-5/8"	2300	1350	1920	135	1133	6300
	VP(H/F)P1268OR-75N	DN50	1*DN80	2-1/8"	1-5/8"	2300	1350	1920	144	1140	7875
	VP(H/F)P1268OR-125N	DN65	1*DN100	DN65	2-1/8"	2300	1350	1920	263	1479	13125
	VP(H/F)P1268OR-150N	DN65	1*DN100	DN65	2-1/8"	2300	1350	1920	264	1496	15750
	VP(H/F)P2268OR-120N	DN65	1*DN100	DN65	2-1/8"	3250	1950	2250	270	2213	12600
	VP(H/F)P2268OR-150N	DN65	1*DN100	DN65	2-1/8"	3250	1950	2250	288	2227	15750
	VP(H/F)P2268OR-250N	DN80	1*DN150	DN80	DN80	3250	1950	2250	526	2989	26250
	VP(H/F)P2268OR-300N	DN100	1*DN150	DN80	DN80	3250	1950	2250	528	3049	31500
	VP(H/F)P3268OR-180N	DN80	1*DN125	DN80	DN65	4050	1950	2250	405	3212	18900
	VP(H/F)P3268OR-225N	DN80	1*DN125	DN100	DN80	4050	1950	2250	432	3290	23625
	VP(H/F)P3268OR-375N	DN125	2*DN125	DN125	DN100	4050	1950	2250	789	4392	39375
	VP(H/F)P3268OR-450N	DN125	2*DN150	DN125	DN100	4050	1950	2250	792	4631	47250
	VP(H/F)P4268OR-240N	DN80	1*DN150	DN100	DN80	4800	1950	2250	540	4163	25200
	VP(H/F)P4268OR-300N	DN100	1*DN150	DN100	DN80	4800	1950	2250	576	4437	31500
	VP(H/F)P4268OR-500N	DN125	2*DN150	DN125	DN100	4800	1950	2250	1052	5680	52500
	VP(H/F)P4268OR-600N	DN125	2*DN150	DN125	DN100	4800	1950	2250	1056	5798	63000

Machine Room Ventilation Rate

LT Racks Model	Machine Room Ventilation Rate m³/H/F
VP(H/F)M12580R-50	5500
VP(H/F)M12580R-60	6600
VP(H/F)M12580R-75	8250
VP(H/F)M12580R-100	11000
VP(H/F)M12580R-125	13750
VP(H/F)M12580R-150	16500
VP(H/F)M22580R-100	7500
VP(H/F)M22580R-120	9000
VP(H/F)M22580R-150	11250
VP(H/F)M22580R-200	15000
VP(H/F)M22580R-250	18750
VP(H/F)M22580R-300	22500
VP(H/F)M32580R-150	11250
VP(H/F)M32580R-180	13500
VP(H/F)M32580R-225	16875
VP(H/F)M32580R-300	22500
VP(H/F)M32580R-375	28125
VP(H/F)M32580R-450	33750
VP(H/F)M42580R-200	15000
VP(H/F)M42580R-240	18000
VP(H/F)M42580R-300	22500
VP(H/F)M42580R-400	30000
VP(H/F)M42580R-500	37500
VP(H/F)M42580R-600	45000

MT Racks Model	Machine Room Ventilation Rate m³/H/F
VP(H/F)P12680R-60	6300
VP(H/F)P12680R-75	7875
VP(H/F)P12680R-125	13125
VP(H/F)P12680R-150	15750
VP(H/F)P22680R-120	12600
VP(H/F)P22680R-150	15750
VP(H/F)P22680R-250	26250
VP(H/F)P22680R-300	31500
VP(H/F)P32680R-180	18900
VP(H/F)P32680R-225	23625
VP(H/F)P32680R-375	39375
VP(H/F)P32680R-450	47250
VP(H/F)P42680R-240	25200
VP(H/F)P42680R-300	31500
VP(H/F)P42680R-500	52500
VP(H/F)P42680R-600	63000

Supply Temperature with ECO

LT Racks Model R404A/R507A	Compressor Model	Condensing Temperature °C	Liquid Supply Temperature (TLE) °C at Different Evaporating Temperature (SST)					
			-45	-40	-35	-30	-25	-20
VP(F)M125(6)8OR-50N	06TSR137	35	-15.6	-10.6	-5.6	-0.6	4.3	9.2
VP(F)M225(6)8OR-100N		40	-14.4	-9.3	-4.2	0.9	5.8	10.7
VP(F)M325(6)8OR-150N		45	-12.5	-7.5	-2.5	2.5	7.5	12.3
VP(F)M425(6)8OR-200N	06TSR155	35	-10.1	-5.2	-0.3	4.6	9.4	14.1
VP(F)M125(6)8OR-60N		40	-8.6	-3.6	1.4	6.4	11.2	15.9
VP(F)M225(6)8OR-120N		45	-6.4	-1.5	3.4	8.3	13.2	17.9
VP(F)M325(6)8OR-180N	06TSR186	35	-5.3	-0.2	4.9	9.8	14.5	19.1
VP(F)M425(6)8OR-240N		40	-3.4	1.7	6.8	11.7	16.5	21.1
VP(F)M125(6)8OR-75N		45	-0.9	4.0	8.9	13.8	18.6	23.3
VP(F)M225(6)8OR-150N	06TTR266	35	-5.7	-1.3	2.8	6.8	10.5	14.0
VP(F)M325(6)8OR-225N		40	-3.0	1.4	5.6	9.7	13.5	17.1
VP(F)M425(6)8OR-300N		45	0.1	4.4	8.7	12.7	16.6	20.3
VP(F)M125(6)8OR-100N	06TTR301	35	-9.4	-4.4	-0.5	5.3	10.0	14.6
VP(F)M225(6)8OR-200N		40	-7.6	-2.5	2.4	7.3	12.0	16.5
VP(F)M325(6)8OR-300N		45	-5.5	-0.4	4.6	9.4	14.1	18.7
VP(F)M425(6)8OR-400N	06TTR356	35	-1.7	2.8	7.2	11.4	15.3	19.0
VP(F)M125(6)8OR-125N		40	0.8	5.4	9.9	14.1	18.1	21.9
VP(F)M225(6)8OR-250N		45	3.5	8.2	12.7	17.0	21.0	24.9
VP(F)M325(6)8OR-375N	06TTR356	35	-1.7	2.8	7.2	11.4	15.3	19.0
VP(F)M425(6)8OR-500N		40	0.8	5.4	9.9	14.1	18.1	21.9
VP(F)M125(6)8OR-150N		45	3.5	8.2	12.7	17.0	21.0	24.9
VP(F)M225(6)8OR-300N	06TTR356	35	-1.7	2.8	7.2	11.4	15.3	19.0
VP(F)M325(6)8OR-450N		40	0.8	5.4	9.9	14.1	18.1	21.9
VP(F)M425(6)8OR-600N		45	3.5	8.2	12.7	17.0	21.0	24.9

Supply Temperature with ECO

MT Racks Model R404A/R507A	Compressor Model	Condensing Temperature °C	Liquid Supply Temperature (TLE) °C at Different Evaporating Temperature (SST)					
			-20	-15	-10	-5	0	5
VP(F)P125(6)8OR-60N	06TSM137	35	10.9	15.0	19.0	22.8	26.5	30.0
VP(F)P225(6)8OR-120N		40	13.0	17.2	21.2	25.1	28.8	32.3
VP(F)P325(6)8OR-180N		45	15.4	19.6	23.6	27.5	31.2	34.7
VP(F)P425(6)8OR-240N	06TSM155	35	13.7	17.8	21.7	25.5	29.0	32.4
VP(F)P125(6)8OR-75N		40	15.9	20.1	24.0	27.8	31.4	34.8
VP(F)P225(6)8OR-150N		45	18.4	22.5	26.5	30.3	33.9	37.5
VP(F)P325(6)8OR-225N	06TTM266	35	13.5	17.4	21.2	24.8	28.3	31.5
VP(F)P425(6)8OR-300N		40	15.8	19.8	23.7	27.3	30.7	34.0
VP(F)P125(6)8OR-125N		45	18.4	22.4	26.3	29.9	33.4	36.6
VP(F)P225(6)8OR-250N	06TTM301	35	15.4	19.4	23.2	26.8	30.1	33.3
VP(F)P325(6)8OR-375N		40	17.8	21.8	25.6	29.2	32.6	35.8
VP(F)P425(6)8OR-500N		45	20.4	24.5	28.3	31.9	35.3	38.5
VP(F)P125(6)8OR-150N	06TTM301	35	15.4	19.4	23.2	26.8	30.1	33.3
VP(F)P225(6)8OR-300N		40	17.8	21.8	25.6	29.2	32.6	35.8
VP(F)P325(6)8OR-450N		45	20.4	24.5	28.3	31.9	35.3	38.5
VP(F)P425(6)8OR-600N	06TTM301	35	15.4	19.4	23.2	26.8	30.1	33.3
VP(F)P125(6)8OR-150N		40	17.8	21.8	25.6	29.2	32.6	35.8
VP(F)P225(6)8OR-300N		45	20.4	24.5	28.3	31.9	35.3	38.5