

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 50~800HP, 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 SR180	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

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:

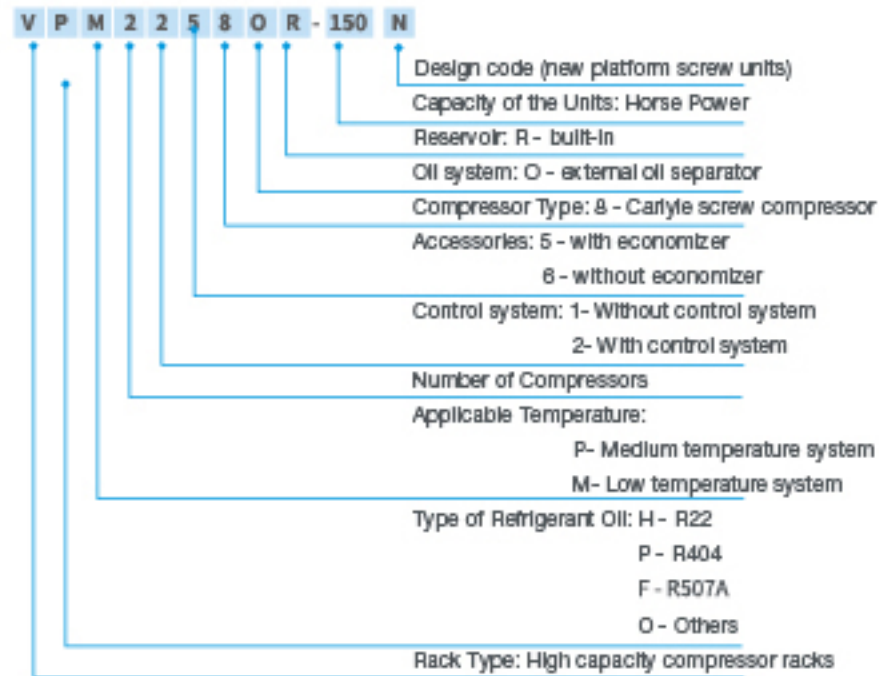
- Compressor
- Compressor suction valve, detachable suction filter
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- Oil separator
- Oil supply circuit detachable oil filter
- Oil supply branch detachable oil filter
- Exhaust check valve
- Return air stop valve
- Liquid supply stop valve
- Detachable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

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

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	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFM1258OR-50N	50	1	05T8R137	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	05T8R155	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	05T8R186	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	05TTR206	68.9	67.2	88.2	69.7	111.0	72.4	137.3	75.2	169.9	78.1	199.8	81.0
5	VFM1258OR-125N	125	1	05TTR301	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	05TTR356	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	05T8R137	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	05T8R155	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	05T8R186	93.8	81.8	117.0	86.5	144.0	91.6	174.4	95.9	207.8	102.6	244.0	108.5
10	VFM2258OR-200N	200	2	05TTR206	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	05TTR301	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	05TTR356	195.0	157.0	242.5	165.3	298.8	174.7	368.3	185.3	436.0	196.7	516.7	209.0
13	VFM3258OR-150N	150	3	05T8R137	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	05T8R155	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	05T8R186	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	05TTR206	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	05TTR301	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	05TTR356	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	05T8R137	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	05T8R155	151.6	147.7	195.5	154.6	246.2	162.1	303.0	170.2	395.3	179.1	432.6	188.5
21	VFM4258OR-300N	300	4	05T8R186	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	05TTR206	275.7	268.7	352.9	278.8	444.0	289.6	549.0	300.7	697.4	312.3	799.2	324.2
23	VFM4258OR-500N	500	4	05TTR301	330.2	290.0	418.8	308.5	522.0	318.1	638.8	333.5	767.9	349.8	908.4	367.0
24	VFM4258OR-600N	600	4	05TTR356	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	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFM1258OR-50N	50	1	05T8R137	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	05T8R155	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	05T8R186	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	05TTR206	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	05TTR301	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	05TTR356	91.7	86.4	114.5	90.7	141.5	95.5	172.5	101.0	207.3	108.9	245.9	113.3
7	VFM2258OR-100N	100	2	05T8R137	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	05T8R155	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	05T8R186	87.1	90.0	109.5	95.0	135.6	100.3	164.9	109.0	197.2	111.9	232.1	118.2
10	VFM2258OR-200N	200	2	05TTR206	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	05TTR301	153.1	159.6	195.3	166.7	246.5	174.3	303.2	182.5	366.0	191.1	434.1	200.1
12	VFM2258OR-300N	300	2	05TTR356	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	05T8R137	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	05T8R155	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	05T8R186	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	05TTR206	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	05TTR301	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	05TTR356	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	05T8R137	119.2	159.2	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	05T8R155	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	05T8R186	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	05TTR206	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	05TTR301	306.2	319.2	392.5	333.5	498.0	348.7	606.5	365.0	732.0	382.2	868.2	400.3
24	VFM4258OR-600N	600	4	05TTR356	366.6	345.5	458.0	362.6	566.9	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	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFM1258OR-50N	50	1	05T8R137	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	05T8R155	30.0	45.2	40.3	47.1	52.2	49.1	65.5	51.3	80.2	53.7	98.0	56.3
3	VFM1258OR-75N	75	1	05T8R186	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	05TTR206	56.1	83.2	73.9	89.0	94.9	88.8	119.0	91.8	146.1	95.0	176.1	98.2
5	VFM1258OR-125N	125	1	05TTR301	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	05TTR356	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	05T8R137	50.7	86.7	69.9	90.0	92.2	98.7	117.3	97.5	144.6	101.7	174.8	106.2
8	VFM2258OR-120N	120	2	05T8R155	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	05T8R186	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	05TTR206	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	05TTR301	139.7	175.8	181.6	183.3	230.4	191.4	285.5	199.9	340.4	208.9	412.4	218.5
12	VFM2258OR-300N	300	2	05TTR356	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	05T8R137	79.0	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	05T8R155	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	05T8R186	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	05TTR206	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	05TTR301	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	05TTR356	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	05T8R137	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	05T8R155	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	05T8R186	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	05TTR206	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	05TTR301	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	05TTR356	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	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFP1258OR-80N	60	1	06T8M137	129.8	45.4	153.3	46.9	179.6	48.3	208.6	49.5	240.2	50.4
2	VFP1258OR-75N	75	1	06T8M155	142.0	50.2	166.8	52.2	194.3	54.1	224.5	55.8	257.4	57.1
3	VFP1258OR-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	VFP1258OR-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	VFP2258OR-120N	120	2	06T8M137	259.6	90.9	306.7	93.8	359.2	96.6	417.1	99.0	480.4	100.7
6	VFP2258OR-150N	150	2	06T8M155	284.0	100.3	333.5	104.3	388.6	108.2	449.0	111.7	514.7	114.2
7	VFP2258OR-250N	250	2	06TTM266	560.4	174.5	655.8	181.1	762.5	187.4	880.5	193.0	1009.8	198.9
8	VFP2258OR-300N	300	2	06TTM301	618.2	194.1	720.3	202.9	838.9	211.5	959.0	219.3	1095.6	224.0
9	VFP3258OR-180N	180	3	06T8M137	389.4	136.3	460.0	140.7	538.8	144.9	625.7	148.5	720.6	151.1
10	VFP3258OR-225N	225	3	06T8M155	426.0	150.5	500.3	156.5	583.0	162.2	673.6	167.5	772.1	171.3
11	VFP3258OR-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	VFP3258OR-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	VFP4258OR-240N	240	4	06T8M137	519.2	181.7	613.4	187.6	718.4	193.2	834.3	198.0	960.8	201.4
14	VFP4258OR-300N	300	4	06T8M155	568.0	200.6	667.1	208.6	777.3	216.3	898.1	223.4	1029.4	228.4
15	VFP4258OR-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	VFP4258OR-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	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFP1258OR-80N	60	1	06T8M137	122.6	49.7	145.1	51.4	170.3	53.0	198.1	54.4	228.3	55.7
2	VFP1258OR-75N	75	1	06T8M155	134.3	54.5	157.9	56.8	184.2	59.0	213.1	61.0	244.4	62.8
3	VFP1258OR-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	VFP1258OR-150N	150	1	06TTM301	298.3	105.1	342.2	109.9	396.7	114.7	456.6	119.2	521.8	123.1
5	VFP2258OR-120N	120	2	06T8R137	245.1	99.5	290.2	102.8	340.6	106.0	396.1	108.9	450.7	111.3
6	VFP2258OR-150N	150	2	06T8R155	268.5	109.1	315.8	113.5	368.4	117.9	426.2	122.0	488.8	125.5
7	VFP2258OR-250N	250	2	06T8R180	531.0	190.0	622.5	197.3	724.0	204.4	837.9	211.1	961.7	216.9
8	VFP2258OR-300N	300	2	06TTR266	586.6	210.2	684.4	219.9	798.5	229.3	913.2	238.4	1043.6	246.2
9	VFP3258OR-180N	180	3	06T8R137	367.7	149.2	435.3	154.2	510.9	159.0	594.2	163.3	685.0	167.0
10	VFP3258OR-225N	225	3	06T8R155	402.8	163.6	473.7	170.3	552.7	176.9	639.2	182.9	733.3	188.3
11	VFP3258OR-375N	375	3	06T8R180	796.5	284.9	933.8	296.0	1087.3	306.6	1256.8	316.7	1442.5	325.3
12	VFP3258OR-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	VFP4258OR-240N	240	4	06T8R137	490.3	198.9	580.4	205.6	681.2	212.0	792.2	217.8	913.4	222.6
14	VFP4258OR-300N	300	4	06T8R155	537.0	218.1	631.6	227.1	736.9	235.8	852.3	243.9	977.7	251.0
15	VFP4258OR-500N	500	4	06T8R180	1062.0	379.9	1245.0	394.6	1449.7	408.8	1675.8	422.3	1923.4	433.7
16	VFP4258OR-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	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFP1258OR-80N	60	1	06T8M137	114.4	54.7	136.0	56.5	160.1	58.3	186.6	60.0	215.4	61.5
2	VFP1258OR-75N	75	1	06T8M155	125.4	59.7	147.9	62.2	173.0	64.5	200.4	66.8	230.2	68.9
3	VFP1258OR-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	VFP1258OR-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	VFP2258OR-120N	120	2	06T8M137	228.8	109.4	271.9	113.1	320.1	116.6	373.2	119.9	430.8	122.9
6	VFP2258OR-150N	150	2	06T8M155	250.8	119.4	295.9	124.3	346.0	129.1	400.9	133.7	460.4	137.9
7	VFP2258OR-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	VFP2258OR-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	VFP3258OR-180N	180	3	06T8M137	343.2	164.1	407.9	169.6	480.2	174.9	559.8	179.9	646.3	184.4
10	VFP3258OR-225N	225	3	06T8M155	376.1	179.1	443.8	186.5	519.0	193.6	601.3	200.5	690.6	206.8
11	VFP3258OR-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	VFP3258OR-450N	450	3	06TTM301	825.3	343.2	985.6	358.8	1121.8	374.3	1292.9	389.6	1478.9	403.7
13	VFP4258OR-240N	240	4	06T8M137	457.6	218.8	543.9	226.1	640.2	233.2	746.4	239.8	861.7	245.9
14	VFP4258OR-300N	300	4	06T8M155	501.5	238.8	591.7	248.6	692.0	258.2	801.8	267.4	920.8	275.7
15	VFP4258OR-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	VFP4258OR-600N	600	4	06TTM301	1100.4	457.6	1287.5	478.4	1495.8	499.1	1723.8	519.4	1971.8	538.2

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

SDT=35°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPM1258OR-50N	50	1	06T8R137	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	06T8R155	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	06T8R180	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	06T8R137	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	06T8R155	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	06T8R180	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	06T8R137	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	06T8R155	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	06T8R180	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	210.4	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	06T8R137	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	06T8R155	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	06T8R180	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	390.0	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=45°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPM1258OR-50N	50	1	06T8R137	24.4	41.5	33.7	43.1	44.0	44.0	56.8	46.8	70.3	48.8	85.0	50.9
2	VPM1258OR-60N	60	1	06T8R155	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	06T8R180	37.7	47.7	48.3	50.2	60.0	53.0	74.5	55.9	89.9	59.0	106.6	62.2
4	VPM1258OR-100N	100	1	06TTR200	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	80.7	88.3	110.5	92.3	137.0	96.4	167.5	100.9	200.1	105.5
6	VPM1258OR-150N	150	1	06TTR350	81.2	91.6	102.0	96.0	128.1	100.9	157.3	106.4	190.1	112.4	226.5	118.8
7	VPM2258OR-100N	100	2	06T8R137	48.0	83.1	67.5	86.3	89.1	89.8	113.0	93.5	140.0	97.5	169.9	101.8
8	VPM2258OR-120N	120	2	06T8R155	56.0	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	06T8R180	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	06TTR200	106.8	160.6	141.6	166.0	182.7	171.0	230.1	177.5	283.5	183.6	342.7	189.9
11	VPM2258OR-250N	250	2	06TTR301	132.0	169.3	173.3	176.7	221.1	184.0	275.2	192.9	335.1	201.7	400.2	211.0
12	VPM2258OR-300N	300	2	06TTR350	162.3	183.3	205.2	191.9	256.1	201.8	314.0	212.7	380.2	224.7	452.9	237.0
13	VPM3258OR-150N	150	3	06T8R137	73.3	124.6	101.2	129.4	133.7	134.6	170.4	140.3	210.9	148.3	254.9	132.7
14	VPM3258OR-180N	180	3	06T8R155	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	06T8R180	113.1	143.0	144.8	150.7	181.7	158.9	223.0	167.7	269.7	170.9	319.7	180.5
16	VPM3258OR-300N	300	3	06TTR200	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	331.0	276.8	412.8	289.3	502.0	302.0	600.3	310.5
18	VPM3258OR-450N	450	3	06TTR350	243.5	274.9	307.9	287.9	384.2	302.0	471.8	319.1	570.3	337.1	679.4	356.4
19	VPM4258OR-200N	200	4	06T8R137	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	06T8R155	113.9	173.4	153.9	180.4	200.2	188.3	252.5	199.9	310.0	209.3	372.2	216.4
21	VPM4258OR-300N	300	4	06T8R180	150.8	190.6	193.0	200.9	242.3	211.9	298.1	223.6	359.0	235.8	426.3	248.7
22	VPM4258OR-400N	400	4	06TTR200	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	06TTR350	324.7	366.5	410.5	383.9	512.3	403.5	629.1	425.4	700.4	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	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPP1258OR-60N	60	1	06T8M137	122.9	43.7	140.8	45.2	173.8	46.8	203.7	48.2	236.4	49.5
2	VPP1258OR-75N	75	1	06T8M155	136.8	48.5	163.7	50.4	193.8	52.2	227.2	53.8	263.7	55.0
3	VPP1258OR-125N	125	1	06TTM200	205.0	84.3	313.3	87.8	367.8	91.4	428.4	94.7	494.9	97.7
4	VPP1258OR-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	VPP2258OR-120N	120	2	06T8M137	245.7	87.3	293.6	90.5	347.6	93.5	407.4	96.4	472.8	99.0
8	VPP2258OR-150N	150	2	06T8M155	273.6	97.0	327.4	100.9	387.7	104.5	454.5	107.6	527.4	109.9
9	VPP2258OR-250N	250	2	06TTM200	530.0	168.5	626.6	175.6	735.7	182.7	856.7	189.5	989.7	195.3
10	VPP2258OR-300N	300	2	06TTM301	598.4	187.5	700.6	196.5	830.5	204.9	967.8	211.8	1118.4	213.4
13	VPP3258OR-180N	180	3	06T8M137	368.0	131.0	440.4	135.7	521.3	140.3	611.0	144.6	709.2	148.4
14	VPP3258OR-225N	225	3	06T8M155	410.5	145.5	491.0	151.3	581.5	156.7	681.7	161.5	791.2	164.9
15	VPP3258OR-375N	375	3	06TTM200	705.1	232.8	940.0	263.5	1103.5	274.1	1285.1	284.2	1484.0	298.0
16	VPP3258OR-450N	450	3	06TTM301	804.0	281.3	1059.9	294.7	1245.7	307.4	1451.8	317.7	1677.0	320.0
19	VPP4258OR-240N	240	4	06T8M137	491.4	174.6	587.2	180.9	696.1	187.0	814.7	192.8	945.0	197.9
20	VPP4258OR-300N	300	4	06T8M155	547.3	194.0	654.7	201.7	775.3	209.0	908.9	215.3	1054.9	219.8
21	VPP4258OR-500N	500	4	06TTM200	1090.1	337.0	1253.3	351.3	1471.4	365.4	1713.4	379.0	1979.4	390.7
22	VPP4258OR-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	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPP1258OR-60N	60	1	06T8R137	118.0	48.0	139.7	49.7	164.5	51.4	192.1	52.9	222.3	54.4
2	VPP1258OR-75N	75	1	06T8R155	129.9	52.8	153.9	55.0	181.1	57.1	211.5	59.0	244.9	60.6
3	VPP1258OR-125N	125	1	06T8R180	255.6	92.0	299.5	95.7	349.4	99.5	405.0	103.2	466.4	106.7
4	VPP1258OR-150N	150	1	06TTR200	284.1	101.6	333.7	106.4	390.0	111.1	452.7	115.5	521.7	119.2
7	VPP2258OR-120N	120	2	06T8R137	236.0	96.1	279.5	99.5	329.0	102.7	384.1	105.9	444.7	108.8
8	VPP2258OR-150N	150	2	06T8R155	259.7	105.6	307.8	109.9	362.3	114.1	423.0	118.0	489.7	121.2
9	VPP2258OR-250N	250	2	06T8R180	511.2	183.9	599.0	191.4	698.7	199.0	810.0	206.4	932.9	213.3
10	VPP2258OR-300N	300	2	06TTR200	568.2	203.2	667.4	212.7	780.0	222.1	905.5	231.0	1043.5	238.3
13	VPP3258OR-180N	180	3	06T8R137	354.1	144.1	419.2	149.2	493.5	154.1	576.2	158.8	667.0	163.2
14	VPP3258OR-225N	225	3	06T8R155	389.6	158.3	461.6	164.9	543.4	171.2	634.5	176.9	734.0	181.9
15	VPP3258OR-375N	375	3	06T8R180	766.7	275.9	898.5	287.2	1048.1	298.5	1215.0	309.0	1399.3	320.0
16	VPP3258OR-450N	450	3	06TTR200	852.3	304.7	1001.1	319.1	1170.0	333.2	1358.2	346.5	1565.2	357.5
19	VPP4258OR-240N	240	4	06T8R137	472.1	192.2	559.0	199.0	658.0	205.5	768.2	211.8	889.3	217.6
20	VPP4258OR-300N	300	4	06T8R155	519.4	211.1	615.5	219.9	724.5	228.2	846.0	235.9	979.5	242.5
21	VPP4258OR-500N	500	4	06T8R180	1022.3	367.8	1198.0	382.9	1397.4	398.0	1620.0	412.8	1865.7	426.6
22	VPP4258OR-600N	600	4	06TTR200	1136.4	406.3	1334.8	425.5	1590.0	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	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPP1258OR-60N	60	1	06T8M137	112.7	52.9	132.3	54.7	154.8	56.5	180.0	58.2	207.9	59.8
2	VPP1258OR-75N	75	1	06T8M155	122.9	57.7	144.1	60.1	168.5	62.5	195.9	64.7	226.2	66.7
3	VPP1258OR-125N	125	1	06TTM200	245.1	100.5	284.6	104.5	329.8	108.5	380.7	112.4	437.1	116.2
4	VPP1258OR-150N	150	1	06TTM301	299.7	110.6	313.8	115.6	364.5	120.7	421.4	125.6	484.3	130.2
7	VPP2258OR-120N	120	2	06T8M137	225.5	105.8	264.6	109.4	309.6	112.9	360.0	116.4	415.8	119.5
8	VPP2258OR-150N	150	2	06T8M155	245.8	115.4	288.2	120.3	337.0	125.0	391.8	129.4	452.4	133.3
9	VPP2258OR-250N	250	2	06TTM200	460.2	201.0	569.2	208.9	659.7	216.9	761.4	224.9	874.2	232.5
10	VPP2258OR-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	VPP3258OR-180N	180	3	06T8M137	338.2	158.7	396.8	164.1	464.3	169.4	540.0	174.6	623.6	179.3
14	VPP3258OR-225N	225	3	06T8M155	368.7	173.1	432.3	180.4	505.4	187.4	587.6	194.0	678.6	200.0
15	VPP3258OR-375N	375	3	06TTM200	735.3	301.4	853.8	313.4	989.5	325.4	1142.2	337.3	1311.3	348.7
16	VPP3258OR-450N	450	3	06TTM301	899.0	331.8	1041.5	346.9	1203.5	362.0	1384.2	376.7	1582.8	390.5
19	VPP4258OR-240N	240	4	06T8M137	451.0	211.6	529.1	218.8	619.1	225.9	720.0	232.8	831.5	239.1
20	VPP4258OR-300N	300	4	06T8M155	491.6	230.8	576.4	240.6	673.9	249.9	783.5	258.7	904.8	266.6
21	VPP4258OR-500N	500	4	06TTM200	980.4	401.9	1138.4	417.8	1319.4	433.9	1522.9	449.7	1748.4	464.9
22	VPP4258OR-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												
1	VFM1208OR-50N	50	1	05T8R137	19.5	31.5	20.8	32.7	30.0	33.9	47.2	35.3	60.0	36.7	76.3	38.2
2	VFM1208OR-60N	60	1	05T8R155	22.9	33.4	31.2	34.8	41.0	30.4	54.0	38.2	68.8	40.1	80.1	42.1
3	VFM1208OR-75N	75	1	05T8R180	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	VFM1208OR-100N	100	1	05TTR200	43.1	61.4	58.1	63.5	70.9	65.0	90.0	67.9	126.0	70.2	158.1	72.6
5	VFM1208OR-125N	125	1	05TTR301	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	VFM1208OR-150N	150	1	05TTR350	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	VFM2208OR-100N	100	2	05T8R137	39.0	62.9	53.6	65.3	72.0	67.8	94.5	70.5	121.2	73.4	152.0	76.4
8	VFM2208OR-120N	120	2	05T8R155	45.8	66.8	62.4	69.0	83.1	72.8	108.0	76.3	137.0	80.1	172.1	84.3
9	VFM2208OR-150N	150	2	05T8R180	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	VFM2208OR-200N	200	2	05TTR200	86.2	122.9	110.1	127.0	153.7	131.3	190.2	135.7	253.2	140.4	310.2	145.3
11	VFM2208OR-250N	250	2	05TTR301	100.1	130.9	134.2	136.4	176.7	142.0	228.2	149.4	280.1	157.0	360.1	165.2
12	VFM2208OR-300N	300	2	05TTR350	126.1	142.3	160.0	149.3	215.7	157.9	275.7	168.1	346.9	179.8	429.9	193.1
13	VFM3208OR-150N	150	3	05T8R137	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	VFM3208OR-180N	180	3	05T8R155	68.7	100.1	93.7	104.4	124.7	108.2	162.1	114.5	206.4	120.2	258.2	126.4
15	VFM3208OR-225N	225	3	05T8R180	88.4	111.5	117.4	117.4	153.2	124.4	190.2	132.4	247.0	141.5	300.1	151.0
16	VFM3208OR-300N	300	3	05TTR200	129.3	184.3	174.2	190.4	230.0	199.9	298.8	203.6	379.8	210.6	474.3	217.9
17	VFM3208OR-375N	375	3	05TTR301	150.2	196.3	201.3	204.0	265.1	213.9	342.2	224.2	433.0	235.5	540.2	247.8
18	VFM3208OR-450N	450	3	05TTR350	189.1	213.4	249.1	224.0	323.5	230.9	413.0	252.1	520.4	299.7	644.9	289.0
19	VFM4208OR-200N	200	4	05T8R137	78.0	125.9	107.3	130.0	144.1	135.7	188.9	141.1	242.4	140.8	305.2	152.8
20	VFM4208OR-240N	240	4	05T8R155	91.6	133.5	124.9	139.2	166.2	145.6	210.1	152.0	275.2	160.3	344.2	168.6
21	VFM4208OR-300N	300	4	05T8R180	117.9	148.6	150.0	150.5	204.2	165.8	261.0	170.0	329.4	188.6	408.1	202.1
22	VFM4208OR-400N	400	4	05TTR200	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	VFM4208OR-500N	500	4	05TTR301	200.2	261.8	268.4	272.8	353.5	285.2	450.3	298.9	578.2	314.0	720.2	330.4
24	VFM4208OR-600N	600	4	05TTR350	252.2	284.5	332.1	298.0	431.4	315.8	551.5	336.1	603.8	359.0	859.8	386.1

SDT=40°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model												
1	VFM1208OR-50N	50	1	05T8R137	10.2	34.7	22.8	36.0	31.2	37.3	41.4	38.7	53.7	40.2	68.1	41.7
2	VFM1208OR-60N	60	1	05T8R155	19.3	39.7	26.9	38.2	36.4	39.8	47.9	41.0	61.5	43.5	77.5	45.7
3	VFM1208OR-75N	75	1	05T8R180	25.7	40.7	34.5	42.7	45.4	45.1	58.0	47.8	74.3	50.8	92.5	54.2
4	VFM1208OR-100N	100	1	05TTR200	30.9	69.0	50.7	71.0	67.9	73.0	88.9	73.2	113.9	77.4	143.1	79.8
5	VFM1208OR-125N	125	1	05TTR301	43.4	72.1	59.1	74.9	78.0	77.9	102.3	81.3	130.5	85.1	163.5	89.2
6	VFM1208OR-150N	150	1	05TTR350	55.0	78.4	73.9	81.8	96.8	86.0	124.0	91.0	157.7	90.7	196.4	108.2
7	VFM2208OR-100N	100	2	05T8R137	32.4	69.5	45.0	72.0	62.3	74.0	82.8	77.4	107.4	80.3	136.3	83.4
8	VFM2208OR-120N	120	2	05T8R155	38.6	73.4	53.8	70.3	72.7	79.0	95.7	89.2	123.0	87.1	155.0	91.3
9	VFM2208OR-150N	150	2	05T8R180	51.3	81.4	69.0	85.5	90.8	90.2	117.2	95.0	148.0	101.7	185.1	108.4
10	VFM2208OR-200N	200	2	05TTR200	73.8	138.0	101.4	141.9	135.8	140.0	177.8	150.3	227.7	154.8	286.2	159.5
11	VFM2208OR-250N	250	2	05TTR301	80.9	144.2	118.2	149.7	157.2	155.9	204.6	162.7	261.0	170.2	327.0	178.4
12	VFM2208OR-300N	300	2	05TTR350	111.1	150.7	147.8	163.0	193.7	172.0	249.3	181.9	315.4	193.4	392.7	206.5
13	VFM3208OR-150N	150	3	05T8R137	48.7	104.2	68.5	107.9	93.5	111.9	124.3	110.1	161.1	120.5	204.4	125.2
14	VFM3208OR-180N	180	3	05T8R155	58.0	110.1	80.7	114.5	109.1	119.4	143.0	124.8	184.0	130.0	232.5	137.0
15	VFM3208OR-225N	225	3	05T8R180	77.0	122.2	103.5	128.2	136.2	135.2	175.9	143.3	222.8	152.5	277.0	162.7
16	VFM3208OR-300N	300	3	05TTR200	110.7	207.0	152.1	212.9	203.8	219.0	260.7	225.5	341.0	232.2	429.3	239.3
17	VFM3208OR-375N	375	3	05TTR301	130.3	216.4	177.2	224.0	235.8	233.8	307.0	244.0	391.5	255.3	490.5	267.0
18	VFM3208OR-450N	450	3	05TTR350	160.7	235.1	221.8	245.3	290.5	257.9	373.9	272.9	473.1	290.1	599.1	309.7
19	VFM4208OR-200N	200	4	05T8R137	64.9	139.0	91.3	143.9	124.7	149.2	165.7	154.8	214.8	160.0	272.5	166.0
20	VFM4208OR-240N	240	4	05T8R155	77.3	140.8	107.0	152.7	145.5	159.2	191.4	166.4	246.1	174.2	310.0	182.0
21	VFM4208OR-300N	300	4	05T8R180	102.7	162.9	138.0	170.9	181.0	180.3	234.5	191.1	297.1	203.3	370.2	216.9
22	VFM4208OR-400N	400	4	05TTR200	147.6	270.0	202.8	283.8	271.7	292.0	355.6	300.0	455.5	309.0	572.4	319.0
23	VFM4208OR-500N	500	4	05TTR301	173.8	288.5	230.3	299.4	314.4	311.7	409.3	325.4	522.0	340.4	654.0	356.8
24	VFM4208OR-600N	600	4	05TTR350	222.2	313.5	295.7	327.1	387.3	343.9	498.0	383.8	630.8	390.8	785.4	413.0

SDT=45°C					SST(°C)											
Item	Rack Model	HP	Compressor		-45		-40		-35		-30		-25		-20	
			Quantity	Model	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFM1208OR-50N	50	1	05T8R137	13.0	38.3	18.9	39.6	26.3	41.0	35.6	42.4	40.7	43.9	59.9	45.5
2	VFM1208OR-60N	60	1	05T8R155	15.8	40.3	22.0	41.9	31.3	43.5	41.6	45.4	54.1	47.3	68.8	49.5
3	VFM1208OR-75N	75	1	05T8R180	21.8	44.7	29.8	46.7	39.7	49.1	51.7	51.8	60.0	54.9	82.8	58.3
4	VFM1208OR-100N	100	1	05TTR200	30.8	77.7	43.3	79.5	58.9	81.5	78.1	83.0	100.9	85.7	127.8	88.0
5	VFM1208OR-125N	125	1	05TTR301	39.9	79.5	51.0	82.2	68.7	85.3	90.4	88.7	110.2	92.4	140.0	90.5
6	VFM1208OR-150N	150	1	05TTR350	47.9	80.5	64.0	89.8	85.6	93.9	111.0	98.8	141.5	104.4	177.2	110.9
7	VFM2208OR-100N	100	2	05T8R137	20.0	70.7	37.7	79.2	52.7	81.9	71.2	84.8	93.4	87.9	119.8	91.1
8	VFM2208OR-120N	120	2	05T8R155	31.5	80.7	45.2	83.7	62.5	87.0	83.2	90.7	108.2	94.7	137.0	99.0
9	VFM2208OR-150N	150	2	05T8R180	43.0	89.3	59.5	93.4	79.3	98.1	103.4	108.0	132.1	109.7	165.0	110.5
10	VFM2208OR-200N	200	2	05TTR200	61.7	155.3	80.5	159.1	117.8	163.0	150.1	167.1	201.9	171.4	255.7	170.0
11	VFM2208OR-250N	250	2	05TTR301	73.8	159.0	102.0	164.5	137.5	170.0	180.8	177.4	232.5	184.8	293.2	193.0
12	VFM2208OR-300N	300	2	05TTR350	95.9	173.1	129.3	179.7	171.1	187.9	222.1	197.0	282.9	208.9	354.3	221.7
13	VFM3208OR-150N	150	3	05T8R137	38.9	115.0	50.0	118.8	79.0	122.9	103.7	127.2	140.2	131.8	179.7	130.0
14	VFM3208OR-180N	180	3	05T8R155	47.3	121.0	67.7	125.6	93.8	130.0	124.8	136.1	162.3	142.0	206.4	148.5
15	VFM3208OR-225N	225	3	05T8R180	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	VFM3208OR-300N	300	3	05TTR200	92.5	233.0	129.8	238.6	170.7	244.5	234.2	250.7	302.8	257.2	383.5	269.9
17	VFM3208OR-375N	375	3	05TTR301	110.7	238.6	153.1	246.7	208.2	255.9	271.2	266.0	348.7	277.3	439.7	289.5
18	VFM3208OR-450N	450	3	05TTR350	143.8	259.0	193.9	299.5	250.7	281.8	333.1	290.4	424.4	313.3	531.5	332.0
19	VFM4208OR-200N	200	4	05T8R137	51.9	153.3	75.4	158.4	105.3	168.9	142.3	169.0	180.9	175.7	230.0	182.1
20	VFM4208OR-240N	240	4	05T8R155	63.0	161.4	90.3	167.4	125.0	174.1	160.4	181.4	210.4	189.4	275.2	198.0
21	VFM4208OR-300N	300	4	05T8R180	87.2	178.6	119.0	180.7	158.6	190.2	200.8	207.2	264.1	219.4	331.2	233.1
22	VFM4208OR-400N	400	4	05TTR200	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	VFM4208OR-500N	500	4	05TTR301	147.6	318.1	204.1	328.9	275.0	341.2	391.6	354.7	464.9	399.7	580.3	390.0
24	VFM4208OR-600N	600	4	05TTR350	191.8	340.1	258.5	359.4	342.2	375.7	444.2	395.2	505.8	417.8	708.0	443.4

SDT=40°C					SST(°C)											
Item	Rack Model	HP	Compressor		-20		-15		-10		-5		0		5	
			Quantity	Model	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFP1208OR-60N	60	1	06T8M137	75.0	42.1	94.7	43.7	117.3	45.5	143.7	47.5	174.1	49.8	208.8	52.2
2	VFP1208OR-75N	75	1	06T8M155	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	VFP1208OR-125N	125	1	06TTM206	108.0	80.3	200.5	83.8	257.1	87.9	312.2	92.0	375.3	98.0	446.8	104.0
4	VFP1208OR-150N	150	1	06TTM301	102.2	88.9	237.7	93.8	290.9	99.5	352.3	106.1	422.5	113.7	501.8	122.0
5	VFP2208OR-120N	120	2	06T8R137	151.2	84.2	189.3	87.4	234.0	91.0	287.4	95.1	348.3	99.5	417.0	104.4
6	VFP2208OR-150N	150	2	06T8R155	172.3	92.7	214.8	97.3	264.9	102.0	322.9	108.5	389.5	115.1	465.0	122.3
7	VFP2208OR-250N	250	2	06T8R186	337.9	100.0	419.0	107.0	514.2	175.8	624.5	185.3	750.0	190.0	893.0	208.0
8	VFP2208OR-300N	300	2	06TTR206	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	VFP3208OR-180N	180	3	06T8R137	226.7	126.2	284.0	131.1	351.9	136.0	431.1	142.0	522.4	149.3	626.5	150.0
10	VFP3208OR-225N	225	3	06T8R155	258.5	139.1	322.2	146.0	397.3	153.9	484.4	162.8	584.3	172.0	697.0	183.4
11	VFP3208OR-375N	375	3	06T8R186	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	VFP3208OR-450N	450	3	06TTR206	576.0	266.0	713.0	281.3	872.0	298.0	1056.0	318.4	1267.4	341.0	1505.5	360.1
13	VFP4208OR-240N	240	4	06T8R137	302.3	168.3	378.6	174.8	469.2	182.1	574.8	190.2	696.0	199.1	835.3	208.8
14	VFP4208OR-300N	300	4	06T8R155	344.0	185.4	429.6	194.7	529.7	205.2	645.9	217.0	779.0	230.1	930.1	244.5
15	VFP4208OR-500N	500	4	06T8R186	675.7	321.3	837.9	335.2	1028.4	351.0	1249.0	370.0	1501.3	392.0	1787.1	410.0
16	VFP4208OR-600N	600	4	06TTR206	768.8	355.4	950.0	375.0	1163.5	398.1	1409.2	424.0	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	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFP1208OR-60N	60	1	06T8M137	66.0	46.0	84.1	47.5	104.9	49.3	129.3	51.2	157.5	53.4	189.7	55.8
2	VFP1208OR-75N	75	1	06T8M155	76.2	50.3	95.7	52.5	118.7	55.1	145.5	57.9	176.3	61.1	211.4	64.0
3	VFP1208OR-125N	125	1	06TTM206	149.7	87.4	187.2	90.0	231.2	94.5	282.4	99.0	341.1	104.2	407.7	109.9
4	VFP1208OR-150N	150	1	06TTM301	170.0	96.0	212.0	100.0	261.8	105.1	318.9	112.4	384.2	119.0	458.2	127.7
5	VFP2208OR-120N	120	2	06T8R137	133.2	92.0	168.2	95.1	209.8	98.0	258.6	102.5	315.0	106.8	379.3	111.5
6	VFP2208OR-150N	150	2	06T8R155	152.3	100.0	191.3	105.0	237.4	110.1	291.0	115.8	352.0	122.2	422.7	129.2
7	VFP2208OR-250N	250	2	06T8R186	290.5	174.7	374.3	181.2	462.5	189.0	564.8	198.0	682.1	208.3	815.4	219.8
8	VFP2208OR-300N	300	2	06TTR206	341.2	192.0	425.1	201.2	523.7	212.2	637.8	224.9	768.3	239.3	910.3	255.4
9	VFP3208OR-180N	180	3	06T8R137	190.8	138.0	252.3	142.0	314.8	147.9	387.9	153.7	472.4	160.2	569.0	167.3
10	VFP3208OR-225N	225	3	06T8R155	228.5	150.9	287.0	157.0	350.0	165.2	430.5	173.8	529.0	183.3	634.1	193.8
11	VFP3208OR-375N	375	3	06T8R186	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	VFP3208OR-450N	450	3	06TTR206	511.8	288.0	637.7	301.8	785.5	318.3	950.6	337.3	1152.5	358.9	1374.5	383.2
13	VFP4208OR-240N	240	4	06T8R137	266.4	184.0	336.4	190.2	419.7	197.2	517.2	205.0	629.9	213.0	758.0	223.1
14	VFP4208OR-300N	300	4	06T8R155	304.7	201.2	382.0	210.1	474.7	220.2	582.0	231.7	705.3	244.4	845.5	258.4
15	VFP4208OR-500N	500	4	06T8R186	590.0	349.4	748.0	362.5	925.0	378.0	1129.0	396.0	1394.3	416.0	1680.8	439.7
16	VFP4208OR-600N	600	4	06TTR206	682.4	384.0	850.3	402.4	1047.3	424.4	1275.5	449.7	1536.7	478.0	1832.0	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	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPM1208OR-50N	50	1	06T8R137	18.7	30.5	25.8	31.7	34.8	32.9	45.8	34.2	59.0	35.0	74.3	37.1
2	VPM1208OR-60N	60	1	06T8R155	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	VPM1208OR-75N	75	1	06T8R186	28.3	35.9	37.8	37.8	49.4	40.1	63.5	42.7	80.2	45.7	99.0	49.0
4	VPM1208OR-100N	100	1	06TTR206	41.3	59.5	50.0	61.5	74.3	63.6	96.0	65.8	123.1	68.1	154.1	70.5
5	VPM1208OR-125N	125	1	06TTR301	48.0	63.4	64.7	66.1	85.5	69.1	110.7	72.4	140.0	76.1	175.5	80.1
6	VPM1208OR-150N	150	1	06TTR356	60.0	68.8	80.1	72.2	104.4	78.4	133.9	81.4	168.8	87.1	209.0	93.5
7	VPM2208OR-100N	100	2	06T8R137	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	VPM2208OR-120N	120	2	06T8R155	44.0	64.0	60.3	67.3	80.5	70.4	104.9	73.9	134.0	77.0	167.8	81.7
9	VPM2208OR-150N	150	2	06T8R186	56.0	71.8	75.5	75.7	98.9	80.2	127.1	85.4	160.4	91.3	199.1	97.9
10	VPM2208OR-200N	200	2	06TTR206	82.5	119.0	112.0	123.0	148.7	127.2	193.3	131.0	246.3	130.2	308.1	141.0
11	VPM2208OR-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	VPM2208OR-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	VPM3208OR-150N	150	3	06T8R137	56.1	91.5	77.5	95.0	104.5	98.7	137.5	102.0	176.9	106.8	223.0	111.3
14	VPM3208OR-180N	180	3	06T8R155	66.0	98.8	90.4	101.0	120.7	105.7	157.4	110.8	201.0	116.4	251.7	122.5
15	VPM3208OR-225N	225	3	06T8R186	85.0	107.7	113.3	113.5	148.3	120.3	190.0	128.1	240.0	137.0	298.7	146.9
16	VPM3208OR-300N	300	3	06TTR206	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	VPM3208OR-375N	375	3	06TTR301	144.1	190.1	194.1	198.2	250.5	207.2	332.1	217.3	421.9	228.4	526.5	240.4
18	VPM3208OR-450N	450	3	06TTR356	181.8	206.3	240.3	210.0	313.3	229.2	401.0	244.1	508.5	261.2	628.0	280.0
19	VPM4208OR-200N	200	4	06T8R137	74.8	122.0	103.4	120.0	139.4	131.0	183.3	136.8	235.8	142.4	297.4	148.4
20	VPM4208OR-240N	240	4	06T8R155	88.0	129.1	120.5	134.7	161.0	140.9	209.9	147.7	268.0	155.2	335.0	163.4
21	VPM4208OR-300N	300	4	06T8R186	113.3	143.0	151.1	151.3	197.8	160.4	254.1	170.8	320.8	182.0	398.2	195.8
22	VPM4208OR-400N	400	4	06TTR206	165.1	238.0	224.0	240.0	297.4	254.4	386.0	263.2	492.5	272.4	610.3	282.0
23	VPM4208OR-500N	500	4	06TTR301	192.1	253.4	258.8	264.2	342.0	270.3	442.8	289.7	562.5	304.5	702.0	320.0
24	VPM4208OR-600N	600	4	06TTR356	242.4	275.1	320.4	288.8	417.7	305.0	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	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPM1208OR-50N	50	1	06T8R137	15.0	33.7	22.1	34.9	30.3	36.2	40.3	37.0	52.4	39.0	66.0	40.5
2	VPM1208OR-60N	60	1	06T8R155	18.0	35.5	26.1	37.0	35.4	38.5	46.0	40.3	60.1	42.2	75.8	44.3
3	VPM1208OR-75N	75	1	06T8R186	24.8	39.4	33.4	41.3	44.1	43.0	57.1	46.3	72.0	49.3	90.0	52.0
4	VPM1208OR-100N	100	1	06TTR266	35.5	60.9	49.0	68.8	65.9	70.8	86.5	72.9	111.1	75.2	139.9	77.5
5	VPM1208OR-125N	125	1	06TTR301	41.9	69.9	57.2	72.6	76.3	75.0	90.6	78.9	127.4	82.6	159.9	80.0
6	VPM1208OR-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	VPM2208OR-100N	100	2	06T8R137	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	VPM2208OR-120N	120	2	06T8R155	37.3	71.1	52.1	73.9	70.7	77.1	93.3	80.0	120.2	84.4	151.0	88.0
9	VPM2208OR-150N	150	2	06T8R186	49.5	78.8	60.8	82.7	88.3	87.3	114.3	92.0	145.1	98.5	181.2	105.2
10	VPM2208OR-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	VPM2208OR-250N	250	2	06TTR301	83.7	139.8	114.4	145.1	152.7	151.1	190.3	157.8	254.8	165.2	319.7	173.2
12	VPM2208OR-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	VPM3208OR-150N	150	3	06T8R137	46.8	101.1	65.3	104.7	90.8	108.0	121.0	112.7	157.1	117.0	199.8	121.0
14	VPM3208OR-180N	180	3	06T8R155	55.9	106.6	78.2	110.9	106.1	115.6	136.9	120.9	180.3	126.6	227.5	132.8
15	VPM3208OR-225N	225	3	06T8R186	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	VPM3208OR-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	VPM3208OR-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	VPM3208OR-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	VPM4208OR-200N	200	4	06T8R137	62.4	134.8	88.4	139.6	121.0	144.8	161.3	150.2	209.5	156.0	260.4	162.1
20	VPM4208OR-240N	240	4	06T8R155	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	VPM4208OR-300N	300	4	06T8R186	99.0	157.5	133.6	165.4	176.5	174.6	228.6	185.1	290.3	197.0	382.3	210.3
22	VPM4208OR-400N	400	4	06TTR266	142.2	267.6	190.1	275.2	263.7	283.3	346.2	291.8	444.4	300.6	559.6	309.8
23	VPM4208OR-500N	500	4	06TTR301	167.4	279.5	228.7	290.2	305.3	302.2	398.0	315.0	509.5	330.3	639.4	349.3
24	VPM4208OR-600N	600	4	06TTR356	214.4	303.3	280.4	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												
1	VPM1208OR-50N	50	1	06T8R137	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	VPM1208OR-60N	60	1	06T8R155	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	VPM1208OR-75N	75	1	06T8R180	21.1	43.2	28.9	45.2	38.7	47.5	50.6	50.2	64.8	53.2	81.4	56.0
4	VPM1208OR-100N	100	1	06TTR200	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	VPM1208OR-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	VPM1208OR-150N	150	1	06TTR350	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	VPM2208OR-100N	100	2	06T8R137	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	VPM2208OR-120N	120	2	06T8R155	30.5	78.2	44.0	81.1	60.8	84.4	81.5	87.9	100.1	91.8	135.1	96.1
9	VPM2208OR-150N	150	2	06T8R180	42.2	85.4	57.9	90.4	77.4	95.1	101.2	100.4	129.6	106.4	162.8	113.1
10	VPM2208OR-200N	200	2	06TTR200	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	VPM2208OR-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	VPM2208OR-300N	300	2	06TTR350	98.0	167.5	125.8	174.0	167.0	182.1	217.4	191.6	277.5	202.6	348.0	215.1
13	VPM3208OR-150N	150	3	06T8R137	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	VPM3208OR-180N	180	3	06T8R155	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	VPM3208OR-225N	225	3	06T8R180	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	VPM3208OR-300N	300	3	06TTR200	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	VPM3208OR-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	VPM3208OR-450N	450	3	06TTR350	139.4	251.3	188.7	261.1	250.5	273.1	326.0	287.4	416.2	308.9	522.0	322.7
19	VPM4208OR-200N	200	4	06T8R137	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	VPM4208OR-240N	240	4	06T8R155	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	VPM4208OR-300N	300	4	06T8R180	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	VPM4208OR-400N	400	4	06TTR200	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	VPM4208OR-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	VPM4208OR-600N	600	4	06TTR350	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	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPP1208OR-60N	60	1	06T8M137	122.9	43.7	146.8	45.2	173.8	46.8	203.7	48.2	236.4	49.5
2	VPP1208OR-75N	75	1	06T8M155	136.8	48.5	163.7	50.4	193.8	52.2	227.2	53.8	263.7	55.0
3	VPP1208OR-125N	125	1	06TTM200	265.0	84.3	313.3	87.8	367.8	91.4	428.4	94.7	494.9	97.7
4	VPP1208OR-150N	150	1	06TTM301	298.2	93.8	353.3	98.2	415.2	102.5	483.9	105.9	559.2	106.7
5	VPP2208OR-120N	120	2	06T8M137	245.7	87.3	293.6	90.5	347.6	93.5	407.4	96.4	472.8	99.0
6	VPP2208OR-150N	150	2	06T8M155	273.6	97.0	327.4	100.9	387.7	104.5	454.5	107.6	527.4	109.9
7	VPP2208OR-250N	250	2	06TTM200	530.0	168.5	626.6	175.6	735.7	182.7	856.7	189.5	989.7	195.3
8	VPP2208OR-300N	300	2	06TTM301	596.4	187.5	706.6	196.5	830.5	204.9	967.8	211.8	1118.4	213.4
9	VPP3208OR-180N	180	3	06T8M137	368.6	131.0	440.4	135.7	521.3	140.3	611.0	144.6	709.2	148.4
10	VPP3208OR-225N	225	3	06T8M155	410.5	145.5	491.0	151.3	581.5	156.7	681.7	161.5	791.2	164.9
11	VPP3208OR-375N	375	3	06TTM200	795.1	252.8	940.0	263.5	1103.5	274.1	1285.1	284.2	1484.6	293.0
12	VPP3208OR-450N	450	3	06TTM301	894.6	281.3	1059.9	294.7	1245.7	307.4	1451.8	317.7	1677.6	320.0
13	VPP4208OR-240N	240	4	06T8M137	491.4	174.6	587.2	180.9	695.1	187.0	814.7	192.8	945.6	197.9
14	VPP4208OR-300N	300	4	06T8M155	547.3	194.0	654.7	201.7	775.3	209.0	908.9	215.3	1054.9	219.8
15	VPP4208OR-500N	500	4	06TTM200	1060.1	337.0	1253.3	351.3	1471.4	365.4	1713.4	379.0	1979.4	390.7
16	VPP4208OR-600N	600	4	06TTM301	1192.8	375.0	1413.2	392.9	1690.9	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	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPP1208OR-60N	60	1	06T8R137	118.0	48.0	139.7	49.7	164.5	51.4	192.1	52.9	222.3	54.4
2	VPP1208OR-75N	75	1	06T8R155	129.9	52.8	153.9	55.0	181.1	57.1	211.5	59.0	244.9	60.6
3	VPP1208OR-125N	125	1	06T8R180	255.6	92.0	299.5	95.7	349.4	99.5	405.0	103.2	466.4	106.7
4	VPP1208OR-150N	150	1	06TTR200	284.1	101.6	333.7	106.4	390.0	111.1	452.7	115.5	521.7	119.2
5	VPP2208OR-120N	120	2	06T8R137	236.0	96.1	279.5	99.5	329.0	102.7	384.1	105.9	444.7	108.8
6	VPP2208OR-150N	150	2	06T8R155	259.7	105.6	307.8	109.9	362.3	114.1	423.0	118.0	489.7	121.2
7	VPP2208OR-250N	250	2	06T8R180	511.2	183.9	599.0	191.4	698.7	199.0	810.0	206.4	932.9	213.3
8	VPP2208OR-300N	300	2	06TTR200	568.2	203.2	667.4	212.7	780.0	222.1	905.5	231.0	1043.5	238.3
9	VPP3208OR-180N	180	3	06T8R137	354.1	144.1	419.2	149.2	493.5	154.1	576.2	158.8	667.0	163.2
10	VPP3208OR-225N	225	3	06T8R155	389.6	158.3	461.6	164.9	543.4	171.2	634.5	176.9	734.6	181.9
11	VPP3208OR-375N	375	3	06T8R180	766.7	275.9	898.5	287.2	1048.1	298.5	1215.0	309.6	1399.3	320.0
12	VPP3208OR-450N	450	3	06TTR200	832.3	304.7	1001.1	319.1	1170.0	333.2	1358.2	346.5	1595.2	357.5
13	VPP4208OR-240N	240	4	06T8R137	472.1	192.2	559.0	199.0	658.0	205.5	768.2	211.8	889.3	217.6
14	VPP4208OR-300N	300	4	06T8R155	519.4	211.1	615.5	219.9	724.5	228.2	846.0	235.9	979.5	242.5
15	VPP4208OR-500N	500	4	06T8R180	1022.3	367.8	1198.0	382.9	1397.4	398.0	1620.0	412.8	1895.7	426.6
16	VPP4208OR-600N	600	4	06TTR200	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	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPP1208OR-60N	60	1	06T8M137	112.7	52.9	132.3	54.7	154.8	56.5	180.0	58.2	207.9	59.8
2	VPP1208OR-75N	75	1	06T8M155	122.9	57.7	144.1	60.1	168.5	62.5	195.9	64.7	226.2	66.7
3	VPP1208OR-125N	125	1	06TTM200	245.1	100.5	284.6	104.5	329.8	108.5	380.7	112.4	437.1	116.2
4	VPP1208OR-150N	150	1	06TTM301	269.7	110.6	313.8	115.6	364.5	120.7	421.4	125.6	484.3	130.2
5	VPP2208OR-120N	120	2	06T8M137	225.5	105.8	264.6	109.4	309.6	112.9	360.0	116.4	415.8	119.5
6	VPP2208OR-150N	150	2	06T8M155	245.8	115.4	288.2	120.3	337.0	125.0	391.8	129.4	452.4	133.3
7	VPP2208OR-250N	250	2	06TTM200	490.2	201.0	569.2	208.9	659.7	216.9	761.4	224.9	874.2	232.5
8	VPP2208OR-300N	300	2	06TTM301	539.3	221.2	627.7	231.3	729.0	241.3	842.8	251.1	968.5	260.3
9	VPP3208OR-180N	180	3	06T8M137	338.2	158.7	390.8	164.1	464.3	169.4	540.0	174.6	623.6	179.3
10	VPP3208OR-225N	225	3	06T8M155	368.7	173.1	432.3	180.4	505.4	187.4	587.6	194.0	678.6	200.0
11	VPP3208OR-375N	375	3	06TTM200	735.3	301.4	853.8	313.4	989.5	325.4	1142.2	337.3	1311.3	348.7
12	VPP3208OR-450N	450	3	06TTM301	809.0	331.8	941.5	346.9	1093.5	362.0	1264.2	376.7	1452.8	390.5
13	VPP4208OR-240N	240	4	06T8M137	451.0	211.0	529.1	218.8	619.1	225.9	720.0	232.8	831.5	239.1
14	VPP4208OR-300N	300	4	06T8M155	491.6	230.8	576.4	240.6	673.9	249.9	783.5	258.7	904.8	266.6
15	VPP4208OR-500N	500	4	06TTM200	980.4	401.9	1138.4	417.8	1319.4	433.9	1522.9	449.7	1748.4	464.9
16	VPP4208OR-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/HV
	Racks Model	Discharge DL	Suction SL	Liquid Pipe Inlet	Liquid Pipe Outlet	L	W	H/V			
LT Screw Racks	VP(H/F)M1258OR-50N	DN50	1"DN80	1-3/8"	1-1/8"	2300	1810	1800	119	1300	5500
	VP(H/F)M1258OR-60N	DN50	1"DN80	1-3/8"	1-1/8"	2300	1810	1800	145	1307	6600
	VP(H/F)M1258OR-75N	DN50	1"DN80	1-3/8"	1-1/8"	2300	1810	1800	146	1324	8250
	VP(H/F)M1258OR-100N	DN65	1"DN100	2-1/8"	1-5/8"	2300	1810	1800	223	1713	11000
	VP(H/F)M1258OR-125N	DN65	1"DN100	2-1/8"	1-5/8"	2300	1810	1800	247	1733	13750
	VP(H/F)M1258OR-150N	DN65	1"DN100	2-1/8"	1-5/8"	2300	1810	1800	279	1765	16500
	VP(H/F)M2258OR-100N	DN65	1"DN100	2-1/8"	1-5/8"	3150	1945	2050	238	2475	7500
	VP(H/F)M2258OR-120N	DN65	1"DN100	2-1/8"	1-5/8"	3150	1945	2050	290	2489	9000
	VP(H/F)M2258OR-150N	DN65	1"DN100	2-1/8"	1-5/8"	3150	1945	2050	292	2543	11250
	VP(H/F)M2258OR-200N	DN80	1"DN150	DN65	2-1/8"	3150	1945	2050	446	2976	15000
	VP(H/F)M2258OR-250N	DN80	1"DN150	DN65	2-1/8"	3150	1945	2050	494	3016	18750
	VP(H/F)M2258OR-300N	DN80	1"DN150	DN65	2-1/8"	3150	1945	2050	558	3163	22500
	VP(H/F)M3258OR-150N	DN65	1"DN125	2-1/8"	1-5/8"	3985	1945	2250	357	3228	11250
	VP(H/F)M3258OR-180N	DN65	1"DN125	2-1/8"	1-5/8"	3985	1945	2250	435	3259	13500
	VP(H/F)M3258OR-225N	DN80	1"DN150	DN65	2-1/8"	3985	1945	2250	438	3405	16875
	VP(H/F)M3258OR-300N	DN80	2"DN125	DN65	2-1/8"	3985	1945	2250	609	4298	22500
	VP(H/F)M3258OR-375N	DN100	2"DN150	DN80	DN65	3985	1945	2250	741	4659	28125
	VP(H/F)M3258OR-450N	DN100	2"DN150	DN80	DN65	3985	1945	2250	837	4755	33750
	VP(H/F)M4258OR-200N	DN80	1"DN150	DN65	2-1/8"	4770	1945	2305	476	4191	15000
	VP(H/F)M4258OR-240N	DN80	1"DN150	DN65	2-1/8"	4770	1945	2305	580	4239	18000
	VP(H/F)M4258OR-300N	DN80	1"DN150	DN65	2-1/8"	4770	1945	2305	584	4389	22500
	VP(H/F)M4258OR-400N	DN100	2"DN150	DN80	DN65	4770	1945	2305	892	5744	30000
	VP(H/F)M4258OR-500N	DN125	2"DN150	DN80	DN65	4770	1945	2305	988	5967	37500
	VP(H/F)M4258OR-600N	DN125	2"DN150	DN80	DN80	4770	1945	2305	1116	6152	45000
MT Screw Racks	VP(H/F)P1268OR-60N	DN50	1"DN80	2-1/8"	1-5/8"	2300	1200	1800	135	1133	6300
	VP(H/F)P1268OR-75N	DN50	1"DN80	2-1/8"	1-5/8"	2300	1200	1800	144	1140	7875
	VP(H/F)P1268OR-125N	DN65	1"DN100	DN65	2-1/8"	2300	1200	1800	263	1479	13125
	VP(H/F)P1268OR-150N	DN65	1"DN100	DN65	2-1/8"	2300	1200	1800	264	1496	15750
	VP(H/F)P2268OR-120N	DN65	1"DN100	DN65	2-1/8"	3150	1945	2050	270	2213	12000
	VP(H/F)P2268OR-150N	DN65	1"DN100	DN65	2-1/8"	3150	1945	2050	288	2227	15750
	VP(H/F)P2268OR-250N	DN80	1"DN150	DN80	DN80	3150	1945	2050	526	2989	26250
	VP(H/F)P2268OR-300N	DN100	1"DN150	DN80	DN80	3150	1945	2050	528	3049	31500
	VP(H/F)P3268OR-180N	DN80	1"DN125	DN80	DN65	3985	1945	2250	405	3212	18000
	VP(H/F)P3268OR-225N	DN80	1"DN125	DN100	DN80	3985	1945	2250	432	3290	23625
	VP(H/F)P3268OR-375N	DN125	2"DN125	DN125	DN100	3985	1945	2250	789	4392	39375
	VP(H/F)P3268OR-450N	DN125	2"DN150	DN125	DN100	3985	1945	2250	792	4631	47250
	VP(H/F)P4268OR-240N	DN80	1"DN150	DN100	DN80	4770	1945	2305	540	4163	25200
	VP(H/F)P4268OR-300N	DN100	1"DN150	DN100	DN80	4770	1945	2305	576	4437	31500
	VP(H/F)P4268OR-500N	DN125	2"DN150	DN125	DN100	4770	1945	2305	1052	5680	52500
	VP(H/F)P4268OR-600N	DN125	2"DN150	DN125	DN100	4770	1945	2305	1056	5798	63000

Machine Room Ventilation Rate

LT Racks Model	Machine Room Ventilation Rate m³/HV
VP(H/F)M1258OR-50	5500
VP(H/F)M1258OR-60	6600
VP(H/F)M1258OR-75	8250
VP(H/F)M1258OR-100	11000
VP(H/F)M1258OR-125	13750
VP(H/F)M1258OR-150	16500
VP(H/F)M2258OR-100	7500
VP(H/F)M2258OR-120	9000
VP(H/F)M2258OR-150	11250
VP(H/F)M2258OR-200	15000
VP(H/F)M2258OR-250	18750
VP(H/F)M2258OR-300	22500
VP(H/F)M3258OR-150	11250
VP(H/F)M3258OR-180	13500
VP(H/F)M3258OR-225	16875
VP(H/F)M3258OR-300	22500
VP(H/F)M3258OR-375	28125
VP(H/F)M3258OR-450	33750
VP(H/F)M4258OR-200	15000
VP(H/F)M4258OR-240	18000
VP(H/F)M4258OR-300	22500
VP(H/F)M4258OR-400	30000
VP(H/F)M4258OR-500	37500
VP(H/F)M4258OR-600	45000

MT Racks Model	Machine Room Ventilation Rate m³/HV
VP(H/F)P1268OR-60	6300
VP(H/F)P1268OR-75	7875
VP(H/F)P1268OR-125	13125
VP(H/F)P1268OR-150	15750
VP(H/F)P1268OR-250	26250
VP(H/F)P2268OR-120	12000
VP(H/F)P2268OR-150	15750
VP(H/F)P2268OR-250	26250
VP(H/F)P2268OR-300	31500
VP(H/F)P3268OR-180	18000
VP(H/F)P3268OR-225	23625
VP(H/F)P3268OR-375	39375
VP(H/F)P3268OR-450	47250
VP(H/F)P4268OR-240	25200
VP(H/F)P4268OR-300	31500
VP(H/F)P4268OR-500	52500
VP(H/F)P4268OR-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(8)8OR-50N	06T8R137	35	-15.6	-10.6	-5.6	-0.6	4.3	9.2
VP(F)M225(8)8OR-100N		40	-14.4	-9.3	-4.2	0.9	5.8	10.7
VP(F)M325(8)8OR-150N		45	-12.5	-7.5	-2.5	2.5	7.5	12.3
VP(F)M425(8)8OR-200N	06T8R155	35	-10.1	-5.2	-0.3	4.6	9.4	14.1
VP(F)M125(8)8OR-60N		40	-8.6	-3.6	1.4	6.4	11.2	15.9
VP(F)M225(8)8OR-120N		45	-6.4	-1.5	3.4	8.3	13.2	17.9
VP(F)M325(8)8OR-180N	06T8R186	35	-5.3	-0.2	4.9	9.8	14.5	19.1
VP(F)M425(8)8OR-240N		40	-3.4	1.7	6.8	11.7	16.5	21.1
VP(F)M125(8)8OR-75N		45	-0.9	4.0	8.9	13.8	18.6	23.3
VP(F)M225(8)8OR-150N	06TTR266	35	-5.7	-1.3	2.8	6.8	10.5	14.0
VP(F)M325(8)8OR-225N		40	-3.0	1.4	5.6	9.7	13.5	17.1
VP(F)M425(8)8OR-300N		45	0.1	4.4	8.7	12.7	16.6	20.3
VP(F)M125(8)8OR-125N	06TTR301	35	-9.4	-4.4	-0.5	5.3	10.0	14.6
VP(F)M225(8)8OR-250N		40	-7.6	-2.5	2.4	7.3	12.0	16.5
VP(F)M325(8)8OR-375N		45	-5.5	-0.4	4.6	9.4	14.1	18.7
VP(F)M425(8)8OR-500N	06TTR356	35	-1.7	2.8	7.2	11.4	15.3	19.0
VP(F)M125(8)8OR-150N		40	0.8	5.4	9.9	14.1	18.1	21.9
VP(F)M225(8)8OR-300N		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(8)8OR-60N	06T8M137	35	10.9	15.0	19.0	22.8	26.5	30.0
VP(F)P225(8)8OR-120N		40	13.0	17.2	21.2	25.1	28.8	32.3
VP(F)P325(8)8OR-180N		45	15.4	19.6	23.6	27.5	31.2	34.7
VP(F)P425(8)8OR-240N	06T8M155	35	13.7	17.8	21.7	25.5	29.0	32.4
VP(F)P125(8)8OR-75N		40	15.9	20.1	24.0	27.8	31.4	34.8
VP(F)P225(8)8OR-150N		45	18.4	22.5	26.5	30.3	33.9	37.5
VP(F)P325(8)8OR-225N	06TTM266	35	13.5	17.4	21.2	24.8	28.3	31.5
VP(F)P125(8)8OR-125N		40	15.8	19.8	23.7	27.3	30.7	34.0
VP(F)P225(8)8OR-250N		45	18.4	22.4	26.3	29.9	33.4	36.6
VP(F)P325(8)8OR-375N	06TTM301	35	15.4	19.4	23.2	26.8	30.1	33.3
VP(F)P425(8)8OR-500N		40	17.8	21.8	25.6	29.2	32.6	35.8
VP(F)P125(8)8OR-150N		45	20.4	24.5	28.3	31.9	35.3	38.5