

Saturn Series

MT/LT Screw Parallel Racks



Customer Values

- 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

- The total cooling capacity of the unit is 50~600HP, and refrigerants R404A, R22 and R448A are suitable
- Carlyle screw compressor, six low temperature and four 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%
- Plate economizer design
- Integrated skid (frame) design with compact structure
- Fully automatic control system for remote monitoring
- High-grade suppliers selected to ensure quality

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 Racks

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 Racks

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 racks:

- Compressor
- Economizer
- Integrated vertical reservoir
- Oil cooler
- Siemens PLC controller
- Oil cooling system
- Compressor suction valve, detachable suction filter
- Detachable removable oil filter
- Exhaust/return/liquid supply stop valve
- Oil separator

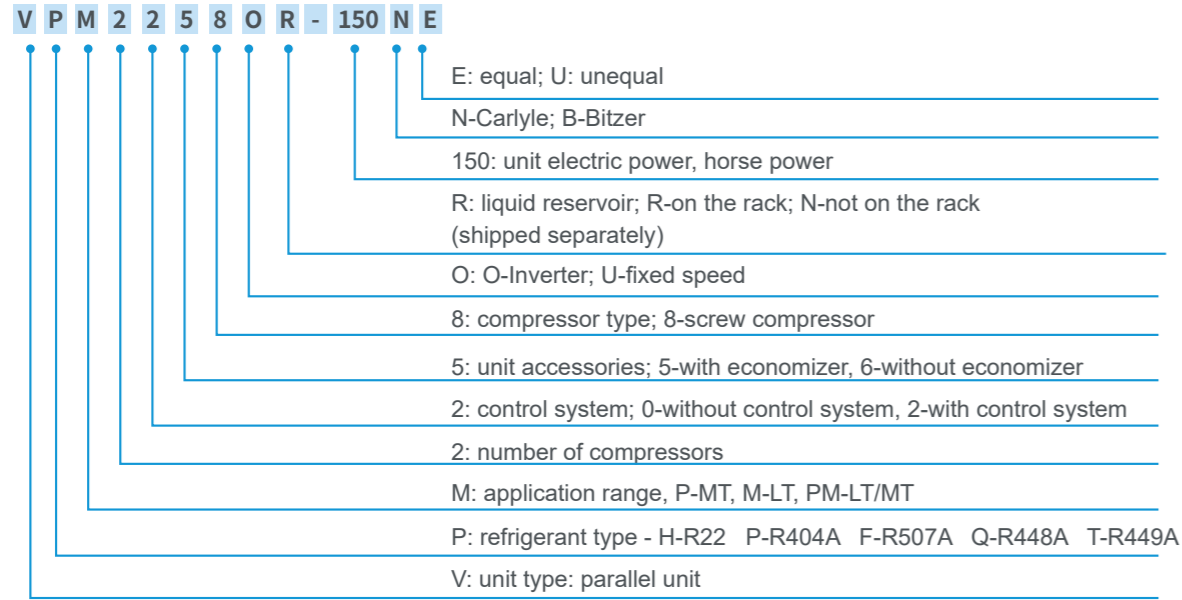
Standard configuration of MT racks:

- Compressor
- Integrated vertical reservoir
- Oil cooler
- Siemens PLC controller
- Compressor suction valve, detachable suction filter
- Detachable removable oil filter
- Exhaust/return/liquid supply stop valve
- Oil separator
- Detachable liquid supply drying filter

Product Standard Configuration Options

- Horizontal reservoirs, external reservoirs or increased reservoir volume
- Oil heating tape
- Split horizontal reservoir
- Barrel pump liquid supply
- Evaporative cooling control
- Inverter
- Multi-branch liquid supply/return assembly (including stop valve)
- Discharge air constant pressure valve (northern region)
- Oil cooling option: water cooling, air cooling, siphon cooling
- MT racks option
- Optional economizer for MT racks
- Optional oil distribution cooling for MT racks
- Shell and tube condenser

Naming Rule of Screw Units



LT Screw Parallel Racks Technical Parameters (R507A - with Economizer)

Item	Rack Model	HP	Compressor		SST(°C)											
			Quantity	Model	-45		-40		-35		-30		-25		-20	
					Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFM1258UR-50NE	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	VFM1258UR-60NE	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	VFM1258UR-75NE	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	VFM1258UR-100NE	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	VFM1258UR-125NE	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	VFM1258UR-150NE	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	VFM2258UR-100NE	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	VFM2258UR-120NE	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	VFM2258UR-150NE	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	VFM2258UR-200NE	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	VFM2258UR-250NE	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	VFM2258UR-300NE	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	VFM3258UR-150NE	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	VFM3258UR-180NE	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	VFM3258UR-225NE	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	VFM3258UR-300NE	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	VFM3258UR-375NE	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	VFM3258UR-450NE	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	VFM4258UR-200NE	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	VFM4258UR-240NE	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	VFM4258UR-300NE	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	VFM4258UR-400NE	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	VFM4258UR-500NE	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	VFM4258UR-600NE	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

Item	Rack Model	HP	Compressor		SST(°C)											
			Quantity	Model	-45		-40		-35		-30		-25		-20	
					Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFM1258UR-50NE	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	VFM1258UR-60NE	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	VFM1258UR-75NE	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	VFM1258UR-100NE	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	VFM1258UR-125NE	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	VFM1258UR-150NE	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	VFM2258UR-100NE	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	VFM2258UR-120NE	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	VFM2258UR-150NE	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	VFM2258UR-200NE	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	VFM2258UR-250NE	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	VFM2258UR-300NE	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	VFM3258UR-150NE	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	VFM3258UR-180NE	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	VFM3258UR-225NE	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	VFM3258UR-300NE	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	VFM3258UR-375NE	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	VFM3258UR-450NE	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	VFM4258UR-200NE	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	VFM4258UR-240NE	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	VFM4258UR-300NE	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	VFM4258UR-400NE	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	VFM4258UR-500NE	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	VFM4258UR-600NE	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

Item	Rack Model	HP	Compressor		SST(°C)											
			Quantity	Model	-45		-40		-35		-30		-25		-20	
					Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFM1258UR-50NE	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	VFM1258UR-60NE	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	VFM1258UR-75NE	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	VFM1258UR-100NE	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	VFM1258UR-125NE	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	VFM1258UR-150NE	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	VFM2258UR-100NE	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	VFM2258UR-120NE	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	VFM2258UR-150NE	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	VFM2258UR-200NE	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	VFM2258UR-250NE	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	VFM2258UR-300NE	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	VFM3258UR-150NE	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	VFM3258UR-180NE	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	VFM3258UR-225NE	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	VFM3258UR-300NE	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	VFM3258UR-375NE	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	VFM3258UR-450NE	450	3	0												

MT Screw Parallel Racks Technical Parameters (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	VFP1268UR-60NE	60	1	06TSM137	129.8	45.4	153.3	46.9	179.6	48.3	208.6	49.5	240.2	50.4
2	VFP1268UR-75NE	75	1	06TSM155	142.0	50.2	166.8	52.2	194.3	54.1	224.5	55.8	257.4	57.1
3	VFP1268UR-125NE	125	1	06TTM266	280.2	87.3	327.9	90.5	381.2	93.7	440.3	96.5	504.9	98.4
4	VFP1268UR-150NE	150	1	06TTM301	309.1	97.1	360.1	101.5	416.9	105.7	479.5	109.6	547.8	112.0
5	VFP2268UR-120NE	120	2	06TSM137	259.6	90.9	306.7	93.8	359.2	96.6	417.1	99.0	480.4	100.7
6	VFP2268UR-150NE	150	2	06TSM155	284.0	100.3	333.5	104.3	388.6	108.2	449.0	111.7	514.7	114.2
7	VFP2268UR-250NE	250	2	06TTM266	560.4	174.5	655.8	181.1	762.5	187.4	880.5	193.0	1009.8	196.9
8	VFP2268UR-300NE	300	2	06TTM301	618.2	194.1	720.3	202.9	833.9	211.5	959.0	219.3	1095.6	224.0
9	VFP3268UR-180NE	180	3	06TSM137	389.4	136.3	460.0	140.7	538.8	144.9	625.7	148.5	720.6	151.1
10	VFP3268UR-225NE	225	3	06TSM155	426.0	150.5	500.3	156.5	583.0	162.2	673.6	167.5	772.1	171.3
11	VFP3268UR-375NE	375	3	06TTM266	840.6	261.8	983.6	271.6	1143.7	281.1	1320.8	289.6	1514.7	295.3
12	VFP3268UR-450NE	450	3	06TTM301	927.3	291.2	1080.4	304.4	1250.8	317.2	1438.5	328.9	1643.4	336.0
13	VFP4268UR-240NE	240	4	06TSM137	519.2	181.7	613.4	187.6	718.4	193.2	834.3	198.0	960.8	201.4
14	VFP4268UR-300NE	300	4	06TSM155	568.0	200.6	667.1	208.6	777.3	216.3	898.1	223.4	1029.4	228.4
15	VFP4268UR-500NE	500	4	06TTM266	1120.8	349.0	1311.5	362.2	1524.9	374.8	1761.0	386.1	2019.6	393.7
16	VFP4268UR-600NE	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	VFP1268UR-60NE	60	1	06TSM137	122.6	49.7	145.1	51.4	170.3	53.0	198.1	54.4	228.3	55.7
2	VFP1268UR-75NE	75	1	06TSM155	134.3	54.5	157.9	56.8	184.2	59.0	213.1	61.0	244.4	62.8
3	VFP1268UR-125NE	125	1	06TTM266	265.5	95.0	311.3	98.7	362.4	102.2	418.9	105.6	480.8	108.4
4	VFP1268UR-150NE	150	1	06TTM301	293.3	105.1	342.2	109.9	396.7	114.7	456.6	119.2	521.8	123.1
5	VFP2268UR-120NE	120	2	06TSR137	245.1	99.5	290.2	102.8	340.6	106.0	396.1	108.9	456.7	111.3
6	VFP2268UR-150NE	150	2	06TSR155	268.5	109.1	315.8	113.5	368.4	117.9	426.2	122.0	488.8	125.5
7	VFP2268UR-250NE	250	2	06TSR186	531.0	190.0	622.5	197.3	724.9	204.4	837.9	211.1	961.7	216.9
8	VFP2268UR-300NE	300	2	06TTR266	586.6	210.2	684.4	219.9	793.5	229.3	913.2	238.4	1043.6	246.2
9	VFP3268UR-180NE	180	3	06TSR137	367.7	149.2	435.3	154.2	510.9	159.0	594.2	163.3	685.0	167.0
10	VFP3268UR-225NE	225	3	06TSR155	402.8	163.6	473.7	170.3	552.7	176.9	639.2	182.9	733.3	188.3
11	VFP3268UR-375NE	375	3	06TSR186	796.5	284.9	933.8	296.0	1087.3	306.6	1256.8	316.7	1442.5	325.3
12	VFP3268UR-450NE	450	3	06TTR266	879.9	315.3	1026.6	329.8	1190.2	344.0	1369.8	357.6	1565.3	369.3
13	VFP4268UR-240NE	240	4	06TSR137	490.3	198.9	580.4	205.6	681.2	212.0	792.2	217.8	913.4	222.6
14	VFP4268UR-300NE	300	4	06TSR155	537.0	218.1	631.6	227.1	736.9	235.8	852.3	243.9	977.7	251.0
15	VFP4268UR-500NE	500	4	06TSR186	1062.0	379.9	1245.0	394.6	1449.7	408.8	1675.8	422.3	1923.4	433.7
16	VFP4268UR-600NE	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	VFP1268UR-60NE	60	1	06TSM137	114.4	54.7	136.0	56.5	160.1	58.3	186.6	60.0	215.4	61.5
2	VFP1268UR-75NE	75	1	06TSM155	125.4	59.7	147.9	62.2	173.0	64.5	200.4	66.8	230.2	68.9
3	VFP1268UR-125NE	125	1	06TTM266	248.9	103.8	292.6	107.8	341.5	111.7	395.4	115.5	454.2	119.1
4	VFP1268UR-150NE	150	1	06TTM301	275.1	114.4	321.9	119.6	373.9	124.8	431.0	129.9	493.0	134.6
5	VFP2268UR-120NE	120	2	06TSM137	228.8	109.4	271.9	113.1	320.1	116.6	373.2	119.9	430.8	122.9
6	VFP2268UR-150NE	150	2	06TSM155	250.8	119.4	295.9	124.3	346.0	129.1	400.9	133.7	460.4	137.9
7	VFP2268UR-250NE	250	2	06TTM266	497.7	207.5	585.2	215.5	683.0	223.4	790.7	231.0	908.5	238.1
8	VFP2268UR-300NE	300	2	06TTM301	550.2	228.8	643.8	239.2	747.9	249.6	861.9	259.7	985.9	269.1
9	VFP3268UR-180NE	180	3	06TSM137	343.2	164.1	407.9	169.6	480.2	174.9	559.8	179.9	646.3	184.4
10	VFP3268UR-225NE	225	3	06TSM155	376.1	179.1	443.8	186.5	519.0	193.6	601.3	200.5	690.6	206.8
11	VFP3268UR-375NE	375	3	06TTM266	746.6	311.3	877.7	323.3	1024.4	335.1	1186.1	346.5	1367.2	357.2
12	VFP3268UR-450NE	450	3	06TTM301	825.3	343.2	965.6	358.8	1121.8	374.3	1292.9	389.6	1478.9	403.7
13	VFP4268UR-240NE	240	4	06TSM137	457.6	218.8	543.9	226.1	640.2	233.2	746.4	239.8	861.7	245.9
14	VFP4268UR-300NE	300	4	06TSM155	501.5	238.8	591.7	248.6	692.0	258.2	801.8	267.4	920.8	275.7
15	VFP4268UR-500NE	500	4	06TTM266	995.4	415.0	1170.3	431.0	1365.9	446.8	1581.5	462.0	1816.9	476.2
16	VFP4268UR-600NE	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 Parallel Racks Technical Parameters (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	VPM1258UR-50NE	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	VPM1258UR-60NE	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	VPM1258UR-75NE	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	VPM1258UR-100NE	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	VPM1258UR-125NE	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	VPM1258UR-150NE	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	VPM2258UR-100NE	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	VPM2258UR-120NE	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	VPM2258UR-150NE	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	VPM2258UR-200NE	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	VPM2258UR-250NE	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	VPM2258UR-300NE	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	VPM3258UR-150NE	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	VPM3258UR-180NE	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	VPM3258UR-225NE	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	VPM3258UR-300NE	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	VPM3258UR-375NE	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	VPM3258UR-450NE	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	VPM4258UR-200NE	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	167.7
20	VPM4258UR-240NE	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	VPM4258UR-300NE	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	VPM4258UR-400NE	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	VPM4258UR-500NE															

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	VPM1258UR-50NE	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	VPM1258UR-60NE	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	VPM1258UR-75NE	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	VPM1258UR-100NE	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	VPM1258UR-125NE	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	VPM1258UR-150NE	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	VPM2258UR-100NE	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	VPM2258UR-120NE	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	VPM2258UR-150NE	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	VPM2258UR-200NE	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	VPM2258UR-250NE	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	VPM2258UR-300NE	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	VPM3258UR-150NE	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	VPM3258UR-180NE	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	VPM3258UR-225NE	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	VPM3258UR-300NE	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	VPM3258UR-375NE	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	VPM3258UR-450NE	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	VPM4258UR-200NE	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	VPM4258UR-240NE	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	VPM4258UR-300NE	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	VPM4258UR-400NE	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	VPM4258UR-500NE	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	VPM4258UR-600NE	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 Parallel Racks Technical Parameters (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	VPP1268UR-60NE	60	1	06TSM137	122.9	43.7	146.8	45.2	173.8	46.8	203.7	48.2	236.4	49.5	
2	VPP1268UR-75NE	75	1	06TSM155	136.8	48.5	163.7	50.4	193.8	52.2	227.2	53.8	263.7	55.0	
3	VPP1268UR-125NE	125	1	06TTM266	265.0	84.3	313.3	87.8	367.8	91.4	428.4	94.7	494.9	97.7	
4	VPP1268UR-150NE	150	1	06TTM301	298.2	93.8	353.3	98.2	415.2	102.5	483.9	105.9	559.2	106.7	
7	VPP2268UR-120NE	120	2	06TSM137	245.7	87.3	293.6	90.5	347.6	93.5	407.4	96.4	472.8	99.0	
8	VPP2268UR-150NE	150	2	06TSM155	273.6	97.0	327.4	100.9	387.7	104.5	454.5	107.6	527.4	109.9	
9	VPP2268UR-250NE	250	2	06TTM266	530.0	168.5	626.6	175.6	735.7	182.7	856.7	189.5	989.7	195.3	
10	VPP2268UR-300NE	300	2	06TTM301	596.4	187.5	706.6	196.5	830.5	204.9	967.8	211.8	1118.4	213.4	
13	VPP3268UR-180NE	180	3	06TSM137	368.6	131.0	440.4	135.7	521.3	140.3	611.0	144.6	709.2	148.4	
14	VPP3268UR-225NE	225	3	06TSM155	410.5	145.5	491.0	151.3	581.5	156.7	681.7	161.5	791.2	164.9	
15	VPP3268UR-375NE	375	3	06TTM266	795.1	252.8	940.0	263.5	1103.5	274.1	1285.1	284.2	1484.6	293.0	
16	VPP3268UR-450NE	450	3	06TTM301	894.6	281.3	1059.9	294.7	1245.7	307.4	1451.8	317.7	1677.6	320.0	
19	VPP4268UR-240NE	240	4	06TSM137	491.4	174.6	587.2	180.9	695.1	187.0	814.7	192.8	945.6	197.9	
20	VPP4268UR-300NE	300	4	06TSM155	547.3	194.0	654.7	201.7	775.3	209.0	908.9	215.3	1054.9	219.8	
21	VPP4268UR-500NE	500	4	06TTM266	1060.1	337.0	1253.3	351.3	1471.4	365.4	1713.4	379.0	1979.4	390.7	
22	VPP4268UR-600NE	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	VPP1268UR-60NE	60	1	06TSM137	118.0	48.0	139.7	49.7	164.5	51.4	192.1	52.9	222.3	54.4	
2	VPP1268UR-75NE	75	1	06TSM155	129.9	52.8	153.9	55.0	181.1	57.1	211.5	59.0	244.9	60.6	
3	VPP1268UR-125NE	125	1	06TTM266	255.6	92.0	299.5	95.7	349.4	99.5	405.0	103.2	466.4	106.7	
4	VPP1268UR-150NE	150	1	06TTM301	284.1	101.6	333.7	106.4	390.0	111.1	452.7	115.5	521.7	119.2	
7	VPP2268UR-120NE	120	2	06TSM137	236.0	96.1	279.5	99.5	329.0	102.7	384.1	105.9	444.7	108.8	
8	VPP2268UR-150NE	150	2	06TSM155	259.7	105.6	307.8	109.9	362.3	114.1	423.0	118.0	489.7	121.2	
9	VPP2268UR-250NE	250	2	06TTM266	511.2	183.9	599.0	191.4	698.7	199.0	810.0	206.4	932.9	213.3	
10	VPP2268UR-300NE	300	2	06TTM301	568.2	203.2	667.4	212.7	780.0	222.1	905.5	231.0	1043.5	238.3	
13	VPP3268UR-180NE	180	3	06TSM137	354.1	144.1	419.2	149.2	493.5	154.1	576.2	158.8	667.0	163.2	
14	VPP3268UR-225NE	225	3	06TSM155	389.6	158.3	461.6	164.9	543.4	171.2	634.5	176.9	734.6	181.9	
15	VPP3268UR-375NE	375	3	06TTM266	766.7	275.9	898.5	287.2	1048.1	298.5	1215.0	309.6	1399.3	320.0	
16	VPP3268UR-450NE	450	3	06TTM301	852.3	304.7	1001.1	319.1	1170.0	333.2	1358.2	346.5	1565.2	357.5	
19	VPP4268UR-240NE	240	4	06TSM137	472.1	192.2	559.0	199.0	658.0	205.5	768.2	211.8	889.3	217.6	
20	VPP4268UR-300NE	300	4	06TSM155	519.4	211.1	615.5	219.9	724.5	228.2	846.0	235.9	979.5	242.5	
21	VPP4268UR-500NE	500	4	06TTM266	1022.3	367.8	1198.0	382.9	1397.4	398.0	1620.0	412.8	1865.7	426.6	
22	VPP4268UR-600NE	600	4	06TTM301	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	VPP1268UR-60NE	60	1	06TSM137	112.7	52.9	132.3	54.7	154.8	56.5	180.0	58.2	207.9	59.8	
2	VPP1268UR-75NE	75	1	06TSM155	122.9	57.7	144.1	60.1	168.5	62.5	195.9	64.7	226.2	66.7	
3	VPP1268UR-125NE	125	1	06TTM266	245.1	100.5	284.6	104.5	329.8	108.5	380.7	112.4	437.1	116.2	
4	VPP1268UR-150NE	150	1	06TTM301	269.7	110.6	313.8	115.6	364.5	120.7	421.4	125.6	484.3	130.2	
7	VPP2268UR-120NE	120	2	06TSM137	225.5	105.8	264.6	109.4	309.6	112.9	360.0	116.4	415.8	119.5	
8	VPP2268UR-150NE	150	2	06TSM155	245.8	115.4	288.2	120.3	337.0	125.0	391.8	129.4	452.4	133.3	
9	VPP2268UR-250NE	250	2	06TTM266	490.2	201.0	569.2	208.9	659.7	216.9	761.4	224.9	874.2	232.5	
10	VPP2268UR-300NE	300	2	06TTM301	539.3	221.2	627.7	231.3	729.0	241.3	842.8	251.1	968.5	260.3	
13	VPP3268UR-180NE	180	3	06TSM137	338.2	158.7	396.8	164.1	464.3	169.4	540.0	174.6	623.6	179.3	
14	VPP3268UR-225NE	225	3	06TSM155	368.7	173.1	432.3	180.4	505.4	187.4	587.6	194.0	678.6	200.0	
15	VPP3268UR-375NE	375	3	06TTM266	735.3	301.4	853.8	313.4	989.5	325.4	1142.2	337.3	1311.3	348.7	
16	VPP3268UR-450NE	450	3	06TTM301	809.0	331.8	941.5	346.9	1093.5	362.0	1264.2	376.7	1452.8	390.5	
19	VPP4268UR-240NE	240	4	06TSM137	451.0	211.6	529.1	218.8	619.1	225.9	720.0	232.8	831.5	239.1	
20	VPP4268UR-300NE	300	4	06TSM155	491.6	230.8	576.4	240.6	673.9	249.9	783.5	258.7	904.8	266.6	

LT Screw Parallel Racks Technical Parameters (R507A - 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
					Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFM1268UR-50NE	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	VFM1268UR-60NE	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	VFM1268UR-75NE	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	VFM1268UR-100NE	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	VFM1268UR-125NE	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	VFM1268UR-150NE	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	VFM2268UR-100NE	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	VFM2268UR-120NE	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	VFM2268UR-150NE	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	VFM2268UR-200NE	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	VFM2268UR-250NE	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	VFM2268UR-300NE	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	VFM3268UR-150NE	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	VFM3268UR-180NE	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	VFM3268UR-225NE	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	VFM3268UR-300NE	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	VFM3268UR-375NE	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	VFM3268UR-450NE	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	VFM4268UR-200NE	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	VFM4268UR-240NE	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	VFM4268UR-300NE	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	VFM4268UR-400NE	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	VFM4268UR-500NE	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	VFM4268UR-600NE	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	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
					Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFM1268UR-50NE	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	VFM1268UR-60NE	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	VFM1268UR-75NE	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	VFM1268UR-100NE	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	VFM1268UR-125NE	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	VFM1268UR-150NE	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	VFM2268UR-100NE	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	VFM2268UR-120NE	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	VFM2268UR-150NE	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	VFM2268UR-200NE	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	VFM2268UR-250NE	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	VFM2268UR-300NE	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	VFM3268UR-150NE	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	VFM3268UR-180NE	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	VFM3268UR-225NE	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	VFM3268UR-300NE	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	VFM3268UR-375NE	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	VFM3268UR-450NE	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	VFM4268UR-200NE	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	VFM4268UR-240NE	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	VFM4268UR-300NE	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	VFM4268UR-400NE	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	VFM4268UR-500NE	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	VFM4268UR-600NE	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	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
					Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFM1268UR-50NE	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	VFM1268UR-60NE	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	VFM1268UR-75NE	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	VFM1268UR-100NE	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	VFM1268UR-125NE	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	VFM1268UR-150NE	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	VFM2268UR-100NE	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	VFM2268UR-120NE	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	VFM2268UR-150NE	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	VFM2268UR-200NE	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	VFM2268UR-250NE	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	VFM2268UR-300NE	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	VFM3268UR-150NE	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	VFM3268UR-180NE	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	VFM3268UR-225NE	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	VFM3268UR-300NE	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	VFM3268UR-375NE	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	VFM3268UR-450NE	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	3

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	VFP1268UR-60NE	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	VFP1268UR-75NE	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	VFP1268UR-125NE	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	VFP1268UR-150NE	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	VFP2268UR-120NE	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	VFP2268UR-150NE	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	VFP2268UR-250NE	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	VFP3268UR-300NE	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	VFP3268UR-180NE	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	VFP3268UR-225NE	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	VFP3268UR-375NE	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	VFP3268UR-450NE	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	VFP4268UR-240NE	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	VFP4268UR-300NE	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	VFP4268UR-500NE	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	VFP4268UR-600NE	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	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VFP1268UR-60NE	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	VFP1268UR-75NE	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	VFP1268UR-125NE	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	VFP1268UR-150NE	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	VFP2268UR-120NE	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	VFP2268UR-150NE	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	VFP2268UR-250NE	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	VFP2268UR-300NE	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	VFP3268UR-180NE	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	VFP3268UR-225NE	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	VFP3268UR-375NE	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	VFP3268UR-450NE	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	VFP4268UR-240NE	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	VFP4268UR-300NE	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	VFP4268UR-500NE	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	VFP4268UR-600NE	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 Parallel Racks Technical Parameters (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	VPM1268UR-50NE	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	VPM1268UR-60NE	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	VPM1268UR-75NE	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	VPM1268UR-100NE	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	VPM1268UR-125NE	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	VPM1268UR-150NE	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	VPM2268UR-100NE	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	VPM2268UR-120NE	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	VPM2268UR-150NE	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	VPM2268UR-200NE	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	VPM2268UR-250NE	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	VPM2268UR-300NE	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	VPM3268UR-150NE	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	VPM3268UR-180NE	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	VPM3268UR-225NE	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	VPM3268UR-300NE	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	VPM3268UR-375NE	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	VPM3268UR-450NE	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	VPM4268UR-200NE	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	VPM4268UR-240NE	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	VPM4268UR-300NE	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	VPM4268UR-400NE	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	VPM4268UR-500NE	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	VPM4268UR-600NE	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	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
1	VPM1268UR-50NE	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	VPM1268UR-60NE	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	VPM1268UR-75NE	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	VPM1268UR-100NE	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	VPM1268UR-125NE	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	VPM1268UR-150NE	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	VPM2268UR-100NE	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	VPM2268UR-120NE	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	VPM2268UR-150NE	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

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	VPM1268UR-50NE	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	VPM1268UR-60NE	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	VPM1268UR-75NE	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	VPM1268UR-100NE	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	VPM1268UR-125NE	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	VPM1268UR-150NE	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	VPM2268UR-100NE	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	VPM2268UR-120NE	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	VPM2268UR-150NE	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	VPM2268UR-200NE	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	VPM2268UR-250NE	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	VPM2268UR-300NE	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	VPM3268UR-150NE	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	VPM3268UR-180NE	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	VPM3268UR-225NE	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	VPM3268UR-300NE	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	VPM3268UR-375NE	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	VPM3268UR-450NE	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	VPM4268UR-200NE	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	VPM4268UR-240NE	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	VPM4268UR-300NE	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	VPM4268UR-400NE	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	VPM4268UR-500NE	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	VPM4268UR-600NE	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

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	VPP1268UR-60NE	60	1	06TSR137	118.0	48.0	139.7	49.7	164.5	51.4	192.1	52.9	222.3	54.4	
2	VPP1268UR-75NE	75	1	06TSR155	129.9	52.8	153.9	55.0	181.1	57.1	211.5	59.0	244.9	60.6	
3	VPP1268UR-125NE	125	1	06TSR186	255.6	92.0	299.5	95.7	349.4	99.5	405.0	103.2	466.4	106.7	
4	VPP1268UR-150NE	150	1	06TTR266	284.1	101.6	333.7	106.4	390.0	111.1	452.7	115.5	521.7	119.2	
7	VPP2268UR-120NE	120	2	06TSR137	236.0	96.1	279.5	99.5	329.0	102.7	384.1	105.9	444.7	108.8	
8	VPP2268UR-150NE	150	2	06TSR155	259.7	105.6	307.8	109.9	362.3	114.1	423.0	118.0	489.7	121.2	
9	VPP2268UR-250NE	250	2	06TSR186	511.2	183.9	599.0	191.4	698.7	199.0	810.0	206.4	932.9	213.3	
10	VPP2268UR-300NE	300	2	06TTR266	568.2	203.2	667.4	212.7	780.0	222.1	905.5	231.0	1043.5	238.3	
13	VPP3268UR-180NE	180	3	06TSR137	354.1	144.1	419.2	149.2	493.5	154.1	576.2	158.8	667.0	163.2	
14	VPP3268UR-225NE	225	3	06TSR155	389.6	158.3	461.6	164.9	543.4	171.2	634.5	176.9	734.6	181.9	
15	VPP3268UR-375NE	375	3	06TSR186	766.7	275.9	898.5	287.2	1048.1	298.5	1215.0	309.6	1399.3	320.0	
16	VPP3268UR-450NE	450	3	06TTR266	852.3	304.7	1001.1	319.1	1170.0	333.2	1358.2	346.5	1565.2	357.5	
19	VPP4268UR-240NE	240	4	06TSR137	472.1	192.2	559.0	199.0	658.0	205.5	768.2	211.8	889.3	217.6	
20	VPP4268UR-300NE	300	4	06TSR155	519.4	211.1	615.5	219.9	724.5	228.2	846.0	235.9	979.5	242.5	
21	VPP4268UR-500NE	500	4	06TSR186	1022.3	367.8	1198.0	382.9	1397.4	398.0	1620.0	412.8	1865.7	426.6	
22	VPP4268UR-600NE	600	4	06TTR266	1136.4	406.3	1334.8	425.5	1560.0	444.2	1811.0	462.0	2087.0	476.6	

MT Screw Parallel Racks Technical Parameters (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	VPP1268UR-60NE	60	1	06TSM137	122.9	43.7	146.8	45.2	173.8	46.8	203.7	48.2	236.4	49.5	
2	VPP1268UR-75NE	75	1	06TSM155	136.8	48.5	163.7	50.4	193.8	52.2	227.2	53.8	263.7	55.0	
3	VPP1268UR-125NE	125	1	06TTM266	265.0	84.3	313.3	87.8	367.8	91.4	428.4	94.7	494.9	97.7	
4	VPP1268UR-150NE	150	1	06TTM301	298.2	93.8	353.3	98.2	415.2	102.5	483.9	105.9	559.2	106.7	
7	VPP2268UR-120NE	120	2	06TSM137	245.7	87.3	293.6	90.5	347.6	93.5	407.4	96.4	472.8	99.0	
8	VPP2268UR-150NE	150	2	06TSM155	273.6	97.0	327.4	100.9	387.7	104.5	454.5	107.6	527.4	109.9	
9	VPP2268UR-250NE	250	2	06TTM266	530.0	168.5	626.6	175.6	735.7	182.7	856.7	189.5	989.7	195.3	
10	VPP2268UR-300NE	300	2	06TTM301	596.4	187.5	706.6	196.5	830.5	204.9	967.8	211.8	1118.4	213.4	
13	VPP3268UR-180NE	180	3	06TSM137	368.6	131.0	440.4	135.7	521.3	140.3	611.0	144.6	709.2	148.4	
14	VPP3268UR-225NE	225	3	06TSM155	410.5	145.5	491.0	151.3	581.5	156.7	681.7	161.5	791.2	164.9	
15	VPP3268UR-375NE	375	3	06TTM266	795.1	252.8	940.0	263.5	1103.5	274.1	1285.1	284.2	1484.6	293.0	
16	VPP3268UR-450NE	450	3	06TTM301	894.6	281.3	1059.9	294.7	1245.7	307.4	1451.8	317.7	1677.6	320.0	
19	VPP4268UR-240NE	240	4	06TSM137	491.4	174.6	587.2	180.9	695.1	187.0	814.7	192.8	945.6	197.9	
20	VPP4268UR-300NE	300	4	06TSM155	547.3	194.0	654.7	201.7	775.3	209.0	908.9	215.3	1054.9	219.8	
21	VPP4268UR-500NE	500	4	06TTM266	1060.1	337.0	1253.3	351.3	1471.4	365.4	1713.4	379.0	1979.4	390.7	
22	VPP4268UR-600NE	600	4	06TTM301	1192.8	375.0	1413.2	392.9	1660.9	409.8	1935.7	423.6	2236.8	426.7	

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	VPP1268UR-60NE	60	1	06TSM137	112.7	52.9	132.3	54.7	154.8	56.5	180.0	58.2	207.9	59.8	
2	VPP1268UR-75NE	75	1	06TSM155	122.9	57.7	144.1	60.1	168.5	62.5	195.9	64.7	226.2	66.7	
3	VPP1268UR-125NE	125	1	06TTM266	245.1	100.5	284.6	104.5	329.8	108.5	380.7	112.4	437.1	116.2	
4	VPP1268UR-150NE	150	1	06TTM301	269.7	110.6	313.8	115.6	364.5	120.7	421.4	125.6	484.3	130.2	
7	VPP2268UR-120NE	120	2	06TSM137	225.5	105.8	264.6	109.4	309.6	112.9	360.0	116.4	415.8	119.5	
8	VPP2268UR-150NE	150	2	06TSM155	245.8	115.4	288.2	120.3	337.0	125.0	391.8	129.4	452.4	133.3	
9	VPP2268UR-250NE	250	2	06TTM266	490.2	201.0	569.2	208.9	659.7	216.9	761.4	224.9	874.2	232.5	
10	VPP2268UR-300NE	300	2	06TTM301	539.3	221.2	627.7	231.3	729.0	241.3	842.8	251.1	968.5	260.3	
13	VPP3268UR-180NE	180	3	06TSM137	338.2	158.7	396.8	164.1	464.3	169.4	540.0	174.6	623.6	179.3	
14	VPP3268UR-225NE	225	3	06TSM155	368.7	173.1	432.3	180.4	505.4	187.4	587.6	194.0	678.6	200.0	
15	VPP3268UR-375NE	375	3	06TTM266	735.3	301.4	853.8	313.4	989.5	325.4	1142.2	337.3	1311.3	348.7	
16	VPP3268UR-450NE	450	3	06TTM301	809.0	331.8	941.5	346.9	1093.5	362.0	1264.2	376.7	1452.8	390.5	
19	VPP4268UR-240NE	240	4	06TSM137	451.0	211.6	529.1	218.8	619.1	225.9	720.0	232.8	831.5	239.1	
20	VPP4268UR-300NE	300	4	06TSM155	491.6	230.8	576.4	240.6	673.9	249.9	783.5	258.7	904.8	266.6	
21	VPP4														

⊕ Screw Racks 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	Model Abbreviations	Discharge DL	Suction SL	Liquid Pipe Inlet	Liquid Pipe Outlet	L	W	H/F			
LT Screw Racks	VP(H/F)M125(6)8UR-50NE	TS1R	DN50	1*DN80	1-3/8"	1-1/8"	2300	1810	1800	119	1300	5500
	VP(H/F)M125(6)8UR-60NE	TS2R	DN50	1*DN80	1-3/8"	1-1/8"	2300	1810	1800	145	1307	6600
	VP(H/F)M125(6)8UR-75NE	TS3R	DN50	1*DN80	1-3/8"	1-1/8"	2300	1810	1800	146	1324	8250
	VP(H/F)M125(6)8UR-100NE	TT1R	DN65	1*DN100	2-1/8"	1-5/8"	2300	1810	1800	223	1713	11000
	VP(H/F)M125(6)8UR-125NE	TT2R	DN65	1*DN100	2-1/8"	1-5/8"	2300	1810	1800	247	1733	13750
	VP(H/F)M125(6)8UR-150NE	TT3R	DN65	1*DN100	2-1/8"	1-5/8"	2300	1810	1800	279	1765	16500
	VP(H/F)M225(6)8UR-100NE	TS1R	DN65	1*DN100	2-1/8"	1-5/8"	3150	1950	2100	238	2475	7500
	VP(H/F)M225(6)8UR-120NE	TS2R	DN65	1*DN100	2-1/8"	1-5/8"	3150	1950	2100	290	2489	9000
	VP(H/F)M225(6)8UR-150NE	TS3R	DN65	1*DN100	2-1/8"	1-5/8"	3150	1950	2100	292	2543	11250
	VP(H/F)M225(6)8UR-200NE	TT1R	DN80	1*DN150	DN65	2-1/8"	3150	1950	2100	446	2976	15000
	VP(H/F)M225(6)8UR-250NE	TT2R	DN80	1*DN150	DN65	2-1/8"	3150	1950	2100	494	3016	18750
	VP(H/F)M225(6)8UR-300NE	TT3R	DN80	1*DN150	DN65	2-1/8"	3150	1950	2100	558	3163	22500
	VP(H/F)M325(6)8UR-150NE	TS1R	DN65	1*DN125	2-1/8"	1-5/8"	3990	1950	2400	357	3228	11250
	VP(H/F)M325(6)8UR-180NE	TS2R	DN65	1*DN125	2-1/8"	1-5/8"	3990	1950	2400	435	3259	13500
	VP(H/F)M325(6)8UR-225NE	TS3R	DN80	1*DN150	DN65	2-1/8"	3990	1950	2400	438	3405	16875
	VP(H/F)M325(6)8UR-300NE	TT1R	DN80	2*DN125	DN65	2-1/8"	3990	1950	2400	669	4298	22500
	VP(H/F)M325(6)8UR-375NE	TT2R	DN100	2*DN150	DN80	DN65	3990	1950	2400	741	4659	28125
	VP(H/F)M325(6)8UR-450NE	TT3R	DN100	2*DN150	DN80	DN65	3990	1950	2400	837	4755	33750
	VP(H/F)M425(6)8UR-200NE	TS1R	DN80	1*DN150	2-1/8"	1-5/8"	4770	1990	2470	476	4191	15000
	VP(H/F)M425(6)8UR-240NE	TS2R	DN80	1*DN150	DN65	2-1/8"	4770	1990	2470	580	4239	18000
VP(H/F)M425(6)8UR-300NE	TS3R	DN80	1*DN150	DN65	2-1/8"	4770	1990	2470	584	4389	22500	
VP(H/F)M425(6)8UR-400NE	TT1R	DN100	2*DN150	DN80	DN65	4770	1990	2470	892	5744	30000	
VP(H/F)M425(6)8UR-500NE	TT2R	DN125	2*DN150	DN80	DN65	4770	1990	2470	988	5967	37500	
VP(H/F)M425(6)8UR-600NE	TT3R	DN125	2*DN150	DN100	DN80	4770	1990	2470	1116	6152	45000	
MT Screw Racks	VP(H/F)P126(5)8UR-60NE	TS1M	DN50	1*DN80	2-1/8"	1-5/8"	2300	1200	1800	135	1133	6300
	VP(H/F)P126(5)8UR-75NE	TS2M	DN50	1*DN80	2-1/8"	1-5/8"	2300	1200	1800	144	1140	7875
	VP(H/F)P126(5)8UR-125NE	TT1M	DN65	1*DN100	DN65	2-1/8"	2300	1200	1800	263	1479	13125
	VP(H/F)P126(5)8UR-150NE	TT2M	DN65	1*DN100	DN65	2-1/8"	2300	1200	1800	264	1496	15750
	VP(H/F)P226(5)8UR-120NE	TS1M	DN65	1*DN100	DN65	2-1/8"	3150	1950	2100	270	2213	12600
	VP(H/F)P226(5)8UR-150NE	TS2M	DN65	1*DN100	DN65	2-1/8"	3150	1950	2100	288	2227	15750
	VP(H/F)P226(5)8UR-250NE	TT1M	DN80	1*DN150	DN80	DN80	3150	1950	2100	526	2989	26250
	VP(H/F)P226(5)8UR-300NE	TT2M	DN100	1*DN150	DN80	DN80	3150	1950	2100	528	3049	31500
	VP(H/F)P326(5)8UR-180NE	TS1M	DN80	1*DN125	DN80	DN65	3990	1950	2400	405	3212	18900
	VP(H/F)P326(5)8UR-225NE	TS2M	DN80	1*DN125	DN80	DN80	3990	1950	2400	432	3290	23625
	VP(H/F)P326(5)8UR-375NE	TT1M	DN125	2*DN125	DN125	DN100	3990	1950	2400	789	4392	39375
	VP(H/F)P326(5)8UR-450NE	TT2M	DN125	2*DN150	DN125	DN100	3990	1950	2400	792	4631	47250
	VP(H/F)P426(5)8UR-240NE	TS1M	DN80	1*DN150	DN80	DN80	4770	1950	2470	540	4163	25200
	VP(H/F)P426(5)8UR-300NE	TS2M	DN100	1*DN150	DN100	DN80	4770	1950	2470	576	4437	31500
	VP(H/F)P426(5)8UR-500NE	TT1M	DN125	2*DN150	DN125	DN100	4770	1950	2470	1052	5680	52500
	VP(H/F)P426(5)8UR-600NE	TT2M	DN125	2*DN150	DN125	DN100	4770	1950	2470	1056	5798	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)8UR-50NE	06TSR137	35	-15.6	-10.6	-5.6	-0.6	4.3	9.2
VP(F)M225(6)8UR-100NE		40	-14.4	-9.3	-4.2	0.9	5.8	10.7
VP(F)M325(6)8UR-150NE		45	-12.5	-7.5	-2.5	2.5	7.5	12.3
VP(F)M425(6)8UR-200NE								
VP(F)M125(6)8UR-60NE	06TSR155	35	-10.1	-5.2	-0.3	4.6	9.4	14.1
VP(F)M225(6)8UR-120NE		40	-8.6	-3.6	1.4	6.4	11.2	15.9
VP(F)M325(6)8UR-180NE		45	-6.4	-1.5	3.4	8.3	13.2	17.9
VP(F)M425(6)8UR-240NE								
VP(F)M125(6)8UR-75NE	06TSR186	35	-5.3	-0.2	4.9	9.8	14.5	19.1
VP(F)M225(6)8UR-150NE		40	-3.4	1.7	6.8	11.7	16.5	21.1
VP(F)M325(6)8UR-225NE		45	-0.9	4.0	8.9	13.8	18.6	23.3
VP(F)M425(6)8UR-300NE								
VP(F)M125(6)8UR-100NE	06TTR266	35	-5.7	-1.3	2.8	6.8	10.5	14.0
VP(F)M225(6)8UR-200NE		40	-3.0	1.4	5.6	9.7	13.5	17.1
VP(F)M325(6)8UR-300NE		45	0.1	4.4	8.7	12.7	16.6	20.3
VP(F)M425(6)8UR-400NE								
VP(F)M125(6)8UR-125NE	06TTR301	35	-9.4	-4.4	-0.5	5.3	10.0	14.6
VP(F)M225(6)8UR-250NE		40	-7.6	-2.5	2.4	7.3	12.0	16.5
VP(F)M325(6)8UR-375NE		45	-5.5	-0.4	4.6	9.4	14.1	18.7
VP(F)M425(6)8UR-500NE								
VP(F)M125(6)8UR-150NE	06TTR356	35	-1.7	2.8	7.2	11.4	15.3	19.0
VP(F)M225(6)8UR-300NE		40	0.8	5.4	9.9	14.1	18.1	21.9
VP(F)M325(6)8UR-450NE		45	3.5	8.2	12.7	17.0	21.0	24.9
VP(F)M425(6)8UR-600NE								

⊕ 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)8UR-60NE	06TSM137	35	10.9	15.0	19.0	22.8	26.5	30.0
VP(F)P225(6)8UR-120NE		40	13.0	17.2	21.2	25.1	28.8	32.3
VP(F)P325(6)8UR-180NE		45	15.4	19.6	23.6	27.5	31.2	34.7
VP(F)P425(6)8UR-240NE								
VP(F)P125(6)8UR-75NE	06TSM155	35	13.7	17.8	21.7	25.5	29.0	32.4
VP(F)P225(6)8UR-150NE		40	15.9	20.1	24.0	27.8	31.4	34.8
VP(F)P325(6)8UR-225NE		45	18.4	22.5	26.5	30.3	33.9	37.5
VP(F)P425(6)8UR-300NE								
VP(F)P125(6)8UR-125NE	06TTM266	35	13.5	17.4	21.2	24.8	28.3	31.5
VP(F)P225(6)8UR-250NE		40	15.8	19.8	23.7	27.3	30.7	34.0
VP(F)P325(6)8UR-375NE		45	18.4	22.4	26.3	29.9	33.4	36.6
VP(F)P425(6)8UR-500NE"								
VP(F)P125(6)8UR-150NE	06TTM301	35	15.4	19.4	23.2	26.8	30.1	33.3
VP(F)P225(6)8UR-300NE		40	17.8	21.8	25.6	29.2	32.6	35.8
VP(F)P325(6)8UR-450NE		45	20.4	24.5	28.3	31.9	35.3	38.5
VP(F)P425(6)8UR-600NE								