



Product Presentation



UNIT OVERVIEW

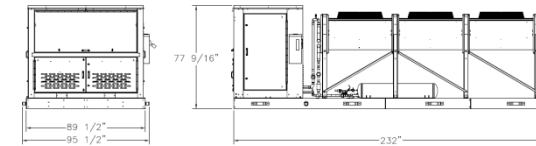
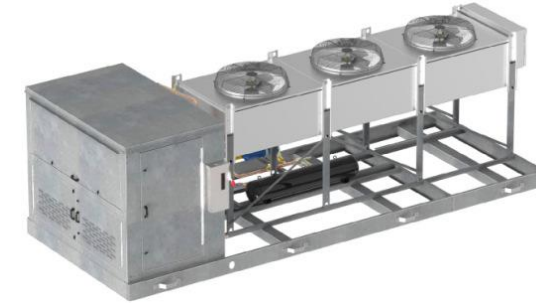
DESIGN OVERVIEW – 3 FANS

Nominal Capacities (MBH)

		Ambient Temperature											
		60	65	70	75	80	85	90	95	100	105	110	115
LT 70	Application Temp	-25	74.8	74.8	74.4	74.4	74.0	73.6	73.2	72.8	72.4	72.0	71.6
		-23	79.6	79.2	79.2	79.2	78.8	78.4	78.0	77.2	76.8	76.4	75.6
		-20	86.8	86.4	86.4	86.4	85.6	85.6	85.2	84.8	84.4	83.6	82.8
		-15	99.6	99.6	99.2	99.2	98.8	98.4	98.0	97.6	96.8	96.4	95.2
		-14	102.4	102.4	102.4	102.0	101.6	101.2	100.8	100.4	99.6	99.2	97.6
		-10	114.4	114.4	114.0	113.6	113.2	112.8	112.4	112.0	111.2	110.4	109.2
LT 85	Application Temp	-25	90.8	90.8	90.4	90.0	90.0	89.6	89.6	89.6	89.6	89.6	89.6
		-23	96.4	96.4	96.0	95.6	95.6	95.2	95.2	94.8	94.8	94.8	94.8
		-20	105.6	105.2	104.8	104.8	104.4	104.0	103.6	103.6	103.2	103.2	102.8
		-15	122.0	121.6	121.2	120.8	120.4	120.0	119.6	119.2	118.8	118.4	118.0
		-14	125.6	125.2	124.8	124.4	124.0	123.6	123.2	122.8	122.4	122.0	121.6
		-10	140.4	140.0	139.6	139.2	138.4	138.7	137.6	137.2	136.4	136.0	135.2
LT 110	Application Temp	-25	116.0	115.4	114.7	114.3	114.0	113.7	113.3	113.3	113.0	112.7	112.2
		-23	123.1	122.2	121.8	121.1	120.8	120.4	120.1	120.1	119.7	119.4	118.8
		-20	134.1	133.4	132.7	132.0	131.7	131.3	131.0	130.9	130.5	130.2	129.9
		-15	154.4	153.7	153.0	152.3	151.9	151.2	150.8	150.4	150.0	149.6	148.2
		-14	158.6	157.9	157.2	156.5	156.1	155.7	155.3	154.6	154.2	153.7	153.0
		-10	177.0	176.3	175.6	174.9	174.1	173.7	173.3	172.5	172.1	171.3	170.6
MT 175	Application Temp	10	244.6	239.2	236.6	227.4	221.2	214.2	207.0	199.2	191.2	182.8	173.6
		15	274.8	268.8	262.2	255.4	248.2	240.8	232.8	224.4	215.8	206.8	197.2
		16	281.4	275.0	268.4	261.2	254.0	246.4	238.2	229.8	220.8	211.6	202.0
		18	295.0	288.0	281.0	273.6	265.8	257.6	249.6	240.6	231.4	221.8	211.8
		20	309.4	302.0	294.2	286.4	278.2	269.8	260.8	251.6	242.2	232.2	221.8
		25	348.2	339.4	330.4	321.0	311.6	301.8	291.8	281.2	270.6	259.6	248.2

3 Fan Unit

(LT70, LT85, LT110, MT110, MT175)



Max Weight: 4,100lbs

**Unit Refrigerant Charge: 130 lbs (LT70/LT85)
143 lbs (LT110/175)**

Assumptions:

R-407A, 2500 ft Elev, Vapor Injected
All capacities are evaluated using Dew Point
LT: 6 °F Evap Superheat, 30 °F Return
Gas, 50°F Liquid, 40°F Min SCT
MT: 8 °F Evap Superheat, 50 °F Return
Gas, 75°F Liquid, 70°F Min SCT

UNIT OVERVIEW

DESIGN OVERVIEW – 4 FANS

Nominal Capacities (MBH)

		Ambient Temperature											
		60	65	70	75	80	85	90	95	100	105	110	115
LT 130	Application Temp	-25	132.0	131.1	130.3	129.8	129.4	129.0	128.6	128.5	127.8	127.7	126.9
		-23	140.0	138.8	138.3	137.5	137.1	136.6	136.3	136.2	135.8	135.4	134.5
		-20	152.3	151.5	150.6	149.8	149.4	149.0	148.6	148.4	148.0	147.6	146.4
		-15	175.2	174.3	173.5	172.7	172.2	171.5	171.0	170.6	170.1	169.7	168.1
		-14	180.0	179.1	178.2	177.4	176.9	176.5	176.0	175.3	174.8	174.4	173.6
		-10	200.7	199.8	198.9	198.1	197.3	196.9	196.4	195.6	195.1	194.3	193.5
LT 150	Application Temp	-25	154.8	153.6	152.8	152.0	151.6	151.2	150.8	150.4	150.0	149.6	148.8
		-23	164.0	162.8	162.0	161.2	160.8	160.0	160.0	159.6	159.2	158.8	157.6
		-20	178.4	177.6	176.4	175.6	175.2	174.8	174.4	173.6	173.2	172.8	171.6
		-15	205.2	204.0	203.2	202.4	201.6	201.2	200.4	200.0	199.6	198.8	197.2
		-14	211.2	210.0	208.8	208.0	207.2	206.8	206.0	205.6	204.8	204.4	203.6
		-10	235.2	234.0	232.8	232.0	231.2	230.8	230.0	229.2	228.4	227.6	225.6
MT 220	Application Temp	10	297.6	290.3	282.6	274.3	265.9	256.7	247.4	237.7	227.7	217.6	196.7
		15	334.7	326.7	317.9	308.8	299.2	289.5	279.0	268.3	257.6	246.2	223.4
		16	342.6	334.1	325.6	316.1	306.2	296.1	285.5	274.8	263.7	252.3	228.7
		18	359.0	350.5	340.9	330.9	320.9	310.4	299.4	288.0	276.4	264.5	239.9
		20	376.0	366.4	356.8	346.6	335.7	324.8	313.4	301.5	289.2	276.8	251.6
		25	421.5	410.9	399.6	388.0	376.1	363.4	350.5	337.2	323.7	309.7	281.4
MT 250	Application Temp	10	369.0	358.5	347.6	335.4	322.8	309.7	295.9	282.0	267.7	253.1	224.3
		15	415.8	405.0	392.8	379.8	365.9	351.7	337.0	321.5	305.6	289.6	257.0
		16	426.0	414.0	402.2	389.4	375.5	360.5	345.4	329.9	313.6	297.2	263.8
		18	445.0	434.5	421.5	407.9	393.7	378.9	362.5	346.7	330.0	312.8	278.1
		20	466.0	455.0	441.0	428.0	412.7	397.1	380.9	363.9	346.8	329.2	292.8
		25	520.5	507.5	493.0	478.5	462.0	445.0	428.0	409.3	390.8	371.5	331.7

4 Fan Unit

(LT30, LT150, MT220, MT250)



Max Weight: 4,200lbs

Unit Refrigerant Charge: 151 lbs (LT130)

127 lbs

(LT150/MT220/MT250)

Assumptions:

R-407A, 2500 ft Elev, Vapor Injected

All capacities are evaluated using Dew Point

LT: 6 °F Evap Superheat, 30 °F Return

Gas, 50°F Liquid, 40°F Min SCT

MT: 8 °F Evap Superheat, 50 °F Return

Gas, 75°F Liquid, 70°F Min SCT

UNIT OVERVIEW

DESIGN OVERVIEW – 4 FANS



Unit	Electrical (406V)		Refrigeration Specifications	
Unit	MCA	MOPD	Suction Connection	Liquid Connection
LT130	79.5A	90A	2-5/8"	7/8"
LT150	83.4A	90A	2-5/8"	7/8"
MT220	98.4A	110A	2-5/8"	1-1/8"
MT250	111.3A	125A	2-5/8"	1-3/8"

Energy Efficiency (EER)

		Ambient Temperature												
		60	65	70	75	80	85	90	95	100	105	110	115	
LT 130	Application Temp	-25	5.1	4.9	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0
		-23	5.3	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.2
		-20	5.7	5.6	5.4	5.2	5.0	4.7	4.5	4.3	4.0	3.8	3.6	3.4
		-15	6.4	6.3	6.1	5.8	5.6	5.3	5.0	4.8	4.5	4.2	4.0	3.8
		-14	6.6	6.4	6.2	6.0	5.7	5.4	5.1	4.9	4.6	4.3	4.1	3.9
		-10	7.2	7.0	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.2
LT 150	Application Temp	-25	5.3	5.2	5.0	4.8	4.6	4.4	4.1	3.9	3.7	3.5	3.3	3.1
		-23	5.6	5.4	5.3	5.0	4.8	4.6	4.3	4.1	3.9	3.6	3.4	3.2
		-20	6.0	5.8	5.6	5.4	5.2	4.9	4.7	4.4	4.1	3.9	3.7	3.5
		-15	6.7	6.5	6.3	6.1	5.8	5.5	5.2	4.9	4.6	4.4	4.1	3.9
		-14	6.9	6.7	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.5	4.2	4.0
		-10	7.5	7.3	7.0	6.8	6.4	6.1	5.8	5.4	5.1	4.8	4.6	4.3
MT 220	Application Temp	10	8.9	8.3	7.7	7.2	6.6	6.1	5.6	5.1	4.7	4.3	3.8	3.5
		15	9.8	9.1	8.5	7.9	7.3	6.7	6.2	5.7	5.2	4.7	4.3	3.9
		16	10.0	9.3	8.7	8.0	7.4	6.9	6.3	5.8	5.3	4.8	4.4	3.9
		18	10.3	9.6	9.0	8.3	7.7	7.1	6.6	6.0	5.5	5.0	4.5	4.1
		20	10.7	10.0	9.3	8.6	8.0	7.4	6.8	6.2	5.7	5.2	4.7	4.3
		25	11.6	10.8	10.1	9.4	8.7	8.0	7.4	6.8	6.2	5.7	5.2	4.7
MT 250	Application Temp	10	9.1	8.4	7.8	7.2	6.6	6.1	5.5	5.0	4.5	4.0	3.6	3.1
		15	9.9	9.2	8.6	7.9	7.3	6.7	6.1	5.5	5.0	4.5	4.0	3.5
		16	10.0	9.4	8.7	8.1	7.4	6.8	6.2	5.6	5.1	4.6	4.1	3.6
		18	10.3	9.7	9.0	8.3	7.7	7.1	6.5	5.9	5.3	4.8	4.3	3.8
		20	10.7	10.0	9.3	8.6	8.0	7.3	6.7	6.1	5.5	5.0	4.5	4.0
		25	11.5	10.8	10.0	9.3	8.6	7.9	7.3	6.7	6.1	5.5	4.9	4.4

UNIT OVERVIEW

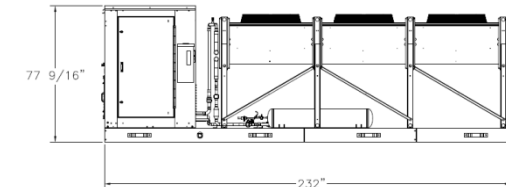
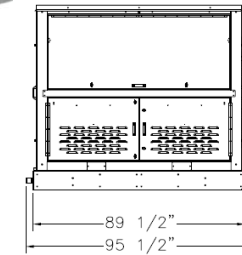
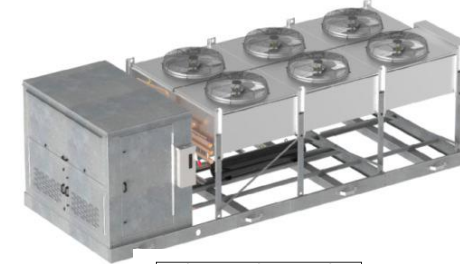
DESIGN OVERVIEW - 6 FANS

Nominal Capacities (MBH)

		Ambient Temperature											
		60	65	70	75	80	85	90	95	100	105	110	115
MT 300	Application Temp												
	10	430.0	420.0	408.0	394.0	380.0	365.2	350.0	334.0	317.6	301.2	284.8	268.4
	15	486.0	474.0	462.0	448.0	432.0	416.0	400.	382.0	364.	346.0	327.6	308.8
	16	498.0	486.0	472.0	458.0	444.0	426.0	410.0	392.	374.0	355.6	336.8	317.6
	18	522.0	510.0	496.0	482.0	466.0	448.0	432.0	412.0	394.	374.8	355.2	335.6
	20	546.0	534.0	520.0	504.0	488.0	472.0	454.0	434.0	414.0	394.8	374.4	354.0
MT 350	Application Temp												
	25	608.0	596.0	582.0	566.0	548.0	530.0	510.0	490.0	470.0	448.0	426.0	404.0
	10	358.0	358.0	358.0	330.0	330.0	328.0	328.0	326.0	324.0	320.0	318.0	316.0
	15	404.0	404.0	404.0	374.0	374.0	372.0	370.0	368.0	366.0	364.0	360.0	358.0
	16	416.0	416.0	416.0	384.0	384.0	382.0	380.0	378.0	376.0	374.0	370.0	366.0
	18	436.0	436.0	436.0	404.0	404.0	400.0	400.0	398.0	394.0	392.0	388.0	386.0
	20	456.0	456.0	456.0	424.0	424.0	420.0	420.0	416.0	416.0	412.0	408.0	404.0
	25	516.0	516.0	516.0	476.0	476.0	476.0	472.0	472.0	468.0	464.0	460.0	456.0

6 Fan Unit

(MT300, MT350)



Max Weight: 5,300lbs

Unit Refrigerant Charge: 201lbs

Assumptions:

R-407A, 2500 ft Elev, Vapor Injected
All capacities are evaluated using Dew Point
LT: 6 °F Evap Superheat, 30 °F Return Gas, 50°F Liquid, 40°F Min SCT
MT: 8 °F Evap Superheat, 50 °F Return Gas, 75°F Liquid, 70°F Min SCT

UNIT OVERVIEW

DESIGN OVERVIEW - 6 FANS



Energy Efficiency (EER)

		Ambient Temperature												
		60	65	70	75	80	85	90	95	100	105	110	115	
MT 300	Application Temp	10	9.0	8.5	7.9	7.3	6.8	6.2	5.7	5.2	4.7	4.2	3.8	3.4
		15	9.9	9.3	8.7	8.1	7.5	6.9	6.4	5.8	5.3	4.8	4.3	3.8
		16	10.1	9.5	8.8	8.2	7.7	7.0	6.5	5.9	5.4	4.9	4.4	3.9
		18	10.5	9.8	9.2	8.6	7.9	7.3	6.8	6.2	5.6	5.1	4.6	4.1
		20	10.8	10.2	9.5	8.9	8.2	7.6	7.0	6.4	5.9	5.3	4.8	4.3
		25	11.8	11.1	10.4	9.7	9.0	8.3	7.7	7.1	6.5	5.9	5.4	4.9
MT 350	Application Temp	10	8.4	8.1	7.8	6.7	6.7	6.4	6.2	6.0	5.7	5.4	5.1	4.8
		15	9.2	8.9	8.6	7.4	7.3	7.1	6.8	6.6	6.3	6.0	5.6	5.3
		16	9.5	9.1	8.8	7.5	7.5	7.3	7.0	6.7	6.4	6.1	5.8	5.4
		18	9.8	9.5	9.1	7.8	7.8	7.5	7.3	7.0	6.6	6.3	6.0	5.6
		20	10.2	9.8	9.4	8.1	8.1	7.8	7.5	7.2	6.9	6.6	6.2	5.8
		25	11.2	10.8	10.4	8.9	8.9	8.6	8.2	8.0	7.6	7.2	6.8	6.5

Unit	Electrical (406V)		Refrigeration Specifications	
Unit	MCA	MOPD	Suction Connection	Liquid Connection
MT300	125.7A	150A	3-1/8"	1-3/8"
MT350	109.7A	125A	3-1/8"	1-3/8"