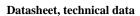


**Datasheets** 

# Maneurop® Reciprocating compressors MT/MTZ/MPZ/NTZ







#### **General Characteristics**

Model number (on compressor nameplate)		MTZ36JG3AVE			
Code number for Singlepack*	MTZ36-3VI				
Code number for Industrial pack**	MTZ36-3VM				
Drawing number		8501025f			
Suction and discharge connections		Rotolock			
Suction connection		1-1/4 " Rotolock			
Discharge connection		1 " Rotolock			
Suction connection with supplied sleeve		5/8 " ODF			
Discharge connection with supplied sleeve		1/2 " ODF			
Oil sight glass		Threaded			
Oil equalization connection		3/8" flare SAE			
Oil drain connection		None			
LP gauge port		Schrader			
IPR valve		435 psi / 115 psi			
Cylinders	1				
Swept volume	3.69 in	3/rev			
Displacement @ Nominal speed	448 cfh @ 3	3500 rpm			
Net weight	55 1	bs			
Oil charge	32 oz, POE	E - 160PZ			
Maximum system test pressure Low Side / High side	363 psi /	435 psi			
Maximum differential test pressure 435 psi		psi			
Maximum number of starts per hour 12					
Refrigerant charge limit 6 lbs		os			
Approved refrigerants	R404A, R507A, R134a, R407C				

#### **Electrical Characteristics**

Nominal voltage	200-230V/3/60Hz
Voltage range	180-253 V
Winding resistance (between phases) +/- 7% at 77°F	1.16 #
Maximum Continuous Current (MCC)	17 A
Locked Rotor Amps (LRA)	74 A
Motor protection	Internal overload protector

#### **Recommended Installation torques**

Oil sight glass	37 ft.lbs
Power connections / Earth connection	ft.lbs / 1 ft.lbs
Mounting bolts	11 ft.lbs

## Parts shipped with compressor

Mounting kit with grommets, bolts, nuts, sleeves and washers
Suction & Discharge solder sleeves, rotolock nuts and gaskets (shipped with rotolock version only)

Initial oil charge

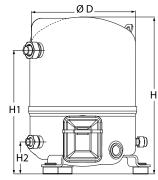
Installation instructions

Approvals: CE certified, UL certified (file SA6873), -

\*Singlepack: Compressor in cardboard box

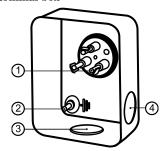
\*\*Industrial pack: 12 Unboxed compressors on pallet (order per multiples of 12)

#### **Dimensions**



D=8.8 inch, H=14 inch, H1=10.4 inch, H2=2.7 inch

#### **Terminal box**



IP55 (with cable gland)

- 1: Spade connectors 1/4"
- 2: Earth M4-12
- 3: Knock-out Ø 21 mm (0.83")
- 4: Hole Ø 21 mm (0.83")





## Datasheet, accessories and spare parts

# Maneurop reciprocating compressor, MTZ036-3

Rotolock accessories, suction side	Code no.
Solder sleeve, P09 (1-1/4" Rotolock, 5/8" ODF)	8153011
Angle adapter, C09 (1-1/4" Rotolock, 5/8" ODF)	8168009
Rotolock valve, V09 (1-1/4" Rotolock, 5/8" ODF)	8168033
Gasket, 1-1/4"	8156131

Rotolock accessories, discharge side	Code no.
Solder sleeve, P06 (1" Rotolock, 1/2" ODF)	8153007
Angle adapter, C06 (1" Rotolock, 1/2" ODF)	8168007
Rotolock valve, V06 (1" Rotolock, 1/2" ODF)	8168031
Gasket, 1"	8156130

Rotolock accessories, sets	Code no.
Angle adapter set, C09 (1-1/4"~5/8"), C06 (1"~1/2")	7703012
Valve set, V09 (1-1/4"~5/8"), V06 (1"~1/2")	7703005
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009

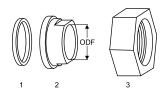
Oil / lubricants	Code no.
POE lubricant, 160PZ, 1 liter can	7754019
POE lubricant, 160PZ, 2 liter can	7754020

Crankcase heaters	Code no.
PTC heater 27W, CE mark, UL	120Z0459
Belt type crankcase heater, 54 W, 230 V, CE mark, UL	7773106

Miscellaneous accessories	Code no.
Acoustic hood for 1 cylinder compressor	120Z0471
Oil equalisation nut	8153127

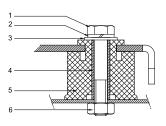
Spare parts	Code no.
Mounting kit for 1 and 2 cylinder compressor, including 3	8156001
grommets, 3 bolts	
Oil sight glass with gaskets (black & white)	8156019
Gasket for oil sight glass (black chloroprene)	8156145
Service kit for terminal box 80 x 96 mm, including 1 cover, 1 clamp	8156134

#### Gaskets, sleeves and nuts



- 1: Gasket
- 2: Solder sleeve
- 3: Rotolock nut

#### Mounting kit



- 1: Bolt (3x)
- 2: Lock washer (3x)
- 3: Flat washer (3x)
- 4: Sleeve (3x)
- 5: Grommet (3x)
- 6: Nut (3x)





## Datasheet, performance data

## Maneurop reciprocating compressor. MTZ036-3

## Performance data at 60 Hz, ARI rating conditions

**R407C** 

Cond. temp.			1	1	ting temperature	1 ' '			1
in °F (tc)	10	20	25	30	35	40	45	50	55
ooling capaci	ty in Btu/h								
100	17 409	23 312	26 775	30 607	34 830	39 466	44 536	50 061	56 063
110	15 965	21 389	24 579	28 115	32 018	36 311	41 015	46 152	51 741
120	-	19 537	22 446	25 679	29 256	33 200	37 531	42 272	47 443
130	-	17 773	20 396	23 319	26 564	30 151	34 104	38 443	43 189
140	-	-	18 449	21 055	23 961	27 186	30 753	34 683	38 998
150	-	-	-	-	21 467	24 323	27 498	31 013	34 890
Power input in	w								
100	2 300	2 615	2 758	2 891	3 011	3 117	3 207	3 280	3 334
110	2 372	2 723	2 888	3 044	3 190	3 324	3 445	3 551	3 640
120	-	2 834	3 019	3 197	3 367	3 527	3 676	3 813	3 935
130	-	2 952	3 154	3 352	3 544	3 729	3 904	4 070	4 224
140	-	-	3 298	3 513	3 725	3 932	4 133	4 326	4 508
150	-	-	-	-	3 915	4 142	4 365	4 583	4 793
100	nption in A 8.02	8.74	9.06	9.36	9.62	9.87	10.09	10.30	10.49
110	8.16	9.00	9.38	9.73	10.07	10.38	10.68	10.96	11.22
120	-	9.29	9.73	10.15	10.55	10.93	11.30	11.65	11.99
130	_	9.59	10.09	10.58	11.04	11.49	11.93	12.36	12.78
140	_	-	10.43	10.98	11.51	12.03	12.54	13.04	13.54
150	-	_	-	-	11.92	12.51	13.10	13.68	14.25
Mass flow in Ib		1	1		I	T	1	1	
100	229	301	343	389	439	493	553	617	686
110	221	291	331	375	424	477	534	597	664
120	-	280	319	362	409	460	515	576	641
130	-	271	308	349	393	442	496	554	617
140	-	-	297	336	378	425	476	532	593
150	-	-	-	-	364	408	457	510	568
Energy Efficien	cy Ratio (E.E.R.			1	ı	T			
100	7.57	8.92	9.71	10.59	11.57	12.66	13.89	15.26	16.81
110	6.73	7.86	8.51	9.24	10.04	10.92	11.91	13.00	14.21
120	-	6.89	7.44	8.03	8.69	9.41	10.21	11.09	12.06
130	-	6.02	6.47	6.96	7.50	8.09	8.73	9.45	10.23
4.40	-	-	5.59	5.99	6.43	6.91	7.44	8.02	8.65
140					5.48		6.30		

Cooling capacity	34 104	Btu/h	Current consumption	11.93	Α
Power input	3 904	W	Mass flow	496	lbs/h
E.E.R.	8.73				

T 0 : Evaporating temperature at dew point

T C: Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

All performance data +/- 5%

Maximum HP switch setting	426	psi(g)
Minimum LP switch setting	3	psi(g)
LP pump down setting	19	psi(g)

Sound power data

Sound power level	0	dB(A)
With accoustic hood	0	dB(A)





## Datasheet, performance data

## Maneurop reciprocating compressor. MTZ036-3

# Performance data at 60 Hz, ARI rating conditions

R134a

Cond. temp.				Evapora	ating temperature	in °F (to)			
in °F (tc)	10	20	30	40	45	50	55	60	65
Caaling canaci	turin Btu/h								
Cooling capacit	12 211	16 472	21 586	27 654	31 077	34 777	38 766	43 056	47 661
110	10 926	14 997	19 879	25 673	28 945	32 482	36 298	40 405	44 816
120	9 672	13 526	18 149	23 644	26 749	30 111	33 740	37 651	41 856
130	8 440	12 049	16 387	21 555	24 482	27 654	31 084	34 785	38 770
140	-	10 558	14 584	19 398	22 133	25 103	28 320	31 798	35 549
150	<u>-</u>	-	-	17 164	19 693	22 447	25 439	28 680	32 185
160		_	-		19 093	19 679	22 431	25 422	28 666
100	<u> </u>					19 07 9	22 431	25 422	20 000
Power input in	w								
100	1 636	1 889	2 117	2 308	2 386	2 451	2 500	2 534	2 549
110	1 670	1 945	2 199	2 422	2 517	2 601	2 670	2 725	2 762
120	1 683	1 982	2 267	2 524	2 639	2 742	2 833	2 911	2 972
130	1 672	2 000	2 317	2 612	2 747	2 873	2 987	3 088	3 175
140	-	1 994	2 347	2 683	2 841	2 990	3 129	3 256	3 370
150	-	-	-	2 736	2 917	3 091	3 256	3 411	3 553
160	-	-	-	-	-	3 174	3 367	3 550	3 723
Current consum	nption in A								
100	6.34	6.85	7.32	7.75	7.93	8.11	8.25	8.38	8.48
110	6.38	6.93	7.46	7.95	8.17	8.38	8.57	8.74	8.89
120	6.40	7.00	7.59	8.15	8.42	8.67	8.90	9.12	9.31
130	6.40	7.06	7.71	8.35	8.66	8.95	9.24	9.50	9.75
140	-	7.09	7.82	8.54	8.89	9.24	9.57	9.89	10.19
150	-	-	-	8.71	9.12	9.51	9.90	10.27	10.63
160	-	-	-	-	-	9.76	10.21	10.64	11.07
Mass flow in lbs	s/h								
100	178	235	301	377	420	465	514	565	620
110	168	225	291	368	410	456	504	556	611
120	157	214	280	357	399	445	493	544	599
130	145	202	268	344	387	432	480	531	585
140	-	190	255	331	372	417	465	515	569
150	-	-	-	316	357	401	448	498	551
160	-	-	-	-	-	383	430	479	531
neray Efficien	cy Ratio (E.E.R.	)					•	•	
100	7.46	8.72	10.20	11.98	13.02	14.19	15.50	16.99	18.70
110	6.54	7.71	9.04	10.60	11.50	12.49	13.59	14.83	16.22
120	5.75	6.82	8.01	9.37	10.14	10.98	11.91	12.94	14.08
120		6.03	7.07	8.25	8.91	9.63	10.41	11.26	12.21
	5.05								
130	5.05		1	7.23	7.79	8.40	9.05	9.77	10.55
		5.29	6.21	7.23 6.27	7.79 6.75	8.40 7.26	9.05 7.81	9.77 8.41	10.55 9.06

#### Nominal performance at to = 45 °F, tc = 130 °F

		.,	· ·		
Cooling capacity	24 482	Btu/h	Current consumption	8.66	Α
Power input	2 747	W	Mass flow	387	lbs/h
E.E.R.	8.91				

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20  $^{\circ}F$  , Subcooling = 15  $^{\circ}F$ 

All performance data +/- 5%

## Pressure switch settings

Maximum HP switch setting	328	psi(g)
Minimum LP switch setting	3	psi(g)
LP pump down setting	7	psi(g)

#### Sound power data

Sound power level	0	dB(A)
With accoustic hood	0	dB(A)





## Datasheet, performance data

## Maneurop reciprocating compressor. MTZ036-3

## Performance data at 60 Hz, ARI rating conditions

**R404A** 

Scoling capacity in Btu   90	u/h 135 11 904 10 703 8 531 7 - 5 - 4 747 2 753 2 749 2 734 2 - 2 - 2 in A 75 7	0 324	0 16 455 14 564 12 684 10 812 8 948 7 091 2 358 2 428 2 487 2 534 2 571 2 597  8.01 8.18 8.33	22 113 19 758 17 403 15 047 12 690 10 329 2 646 2 755 2 852 2 937 3 012 3 076	28 944 26 036 23 118 20 189 17 248 14 294 2 913 3 066 3 207 3 336 3 453 3 560	37 083 33 532 29 961 26 369 22 755 19 118 3 155 3 357 3 546 3 723 3 888 4 042	40  46 660  42 377  38 064  33 720  29 344  24 935  3 366  3 622  3 864  4 094  4 312  4 518  10.51  11.15	45  52 030  47 347  42 629  37 875  33 085  28 256  3 459  3 743  4 014  4 272  4 518  4 752  10.68  11.40	57 808 52 703 47 558 42 373 37 146 31 875 4 156 4 444 4 719 4 982
90 8 1 100 6 9 110 5 7 120 4 5 130 - 140 -   ower input in W  90 1 7 100 1 7 110 1 7 120 1 7 130 - 140 -   urrent consumption in 90 6.7 100 6.7 110 6.7 120 6.7 130 - 140 -  ass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	135 11 904 10 703 8 531 7 - 5 - 4 747 2 753 2 749 2 734 2 - 2 - 2 in A	0 324	14 564 12 684 10 812 8 948 7 091 2 358 2 428 2 487 2 534 2 571 2 597 8.01 8.18	19 758 17 403 15 047 12 690 10 329 2 646 2 755 2 852 2 937 3 012 3 076	26 036 23 118 20 189 17 248 14 294 2 913 3 066 3 207 3 336 3 453 3 560 9.42 9.80	33 532 29 961 26 369 22 755 19 118 3 155 3 357 3 546 3 723 3 888 4 042	42 377 38 064 33 720 29 344 24 935 3 366 3 622 3 864 4 094 4 312 4 518	47 347 42 629 37 875 33 085 28 256 3 459 3 743 4 014 4 272 4 518 4 752	52 703 47 559 42 373 37 146 31 875 3 541 3 855 4 156 4 444 4 719 4 982
100 6 9 110 5 7 120 4 5 130 - 140 -   ower input in W 90 1 7 110 1 7 110 1 7 120 1 7 130 - 140 -   urrent consumption in 90 6.7 110 6.7 120 6.7 130 - 140 -   use flow in lbs/h 90 16 100 15 110 14 120 12 130 -	904 10 703 8 531 7 - 5 - 4 747 2 753 2 749 2 734 2 - 2 - 2 in A 75 7	0 324	14 564 12 684 10 812 8 948 7 091 2 358 2 428 2 487 2 534 2 571 2 597 8.01 8.18	19 758 17 403 15 047 12 690 10 329 2 646 2 755 2 852 2 937 3 012 3 076	26 036 23 118 20 189 17 248 14 294 2 913 3 066 3 207 3 336 3 453 3 560 9.42 9.80	33 532 29 961 26 369 22 755 19 118 3 155 3 357 3 546 3 723 3 888 4 042	42 377 38 064 33 720 29 344 24 935 3 366 3 622 3 864 4 094 4 312 4 518	47 347 42 629 37 875 33 085 28 256 3 459 3 743 4 014 4 272 4 518 4 752	52 703 47 559 42 373 37 146 31 875 3 541 3 855 4 156 4 444 4 719 4 982
110 57 120 45 130 - 140 -  Power input in W 90 17 100 17 110 17 120 17 130 - 140 -  Current consumption in 90 6.7 110 6.7 120 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	703 8 531 7 - 5 - 4 747 2 753 2 749 2 734 2 - 2 - 2 in A 75 7	828 1 350 1 891 449 5 057 093 1 117 131 134 128 1	12 684 10 812 8 948 7 091 2 358 2 428 2 487 2 534 2 571 2 597 8.01 8.18	17 403 15 047 12 690 10 329 2 646 2 755 2 852 2 937 3 012 3 076	23 118 20 189 17 248 14 294 2 913 3 066 3 207 3 336 3 453 3 560 9.42 9.80	29 961 26 369 22 755 19 118 3 155 3 357 3 546 3 723 3 888 4 042	38 064 33 720 29 344 24 935 3 366 3 622 3 864 4 094 4 312 4 518	42 629 37 875 33 085 28 256 3 459 3 743 4 014 4 272 4 518 4 752	47 559 42 373 37 146 31 875 3 541 3 855 4 156 4 444 4 719 4 982
120	747 2 753 2 749 2 734 2 - 2 - 2 in A 75 7	350 1 891 449	10 812 8 948 7 091 2 358 2 428 2 487 2 534 2 571 2 597 8.01 8.18	15 047 12 690 10 329 2 646 2 755 2 852 2 937 3 012 3 076	20 189 17 248 14 294 2 913 3 066 3 207 3 336 3 453 3 560 9.42 9.80	26 369 22 755 19 118 3 155 3 357 3 546 3 723 3 888 4 042	33 720 29 344 24 935 3 366 3 622 3 864 4 094 4 312 4 518	37 875 33 085 28 256 3 459 3 743 4 014 4 272 4 518 4 752	42 373 37 146 31 875 3 541 3 855 4 156 4 444 4 719 4 982
130 - 140 -  Power input in W 90 1.7 100 1.7 110 1.7 120 1.7 130 - 140 -  Current consumption in 90 6.7 110 6.7 120 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	- 5 - 4 747 2 753 2 749 2 734 2 - 2 - 2 in A 75 7	891 449	8 948 7 091 2 358 2 428 2 487 2 534 2 571 2 597 8.01 8.18	12 690 10 329 2 646 2 755 2 852 2 937 3 012 3 076	17 248 14 294 2 913 3 066 3 207 3 336 3 453 3 560 9.42 9.80	22 755 19 118 3 155 3 357 3 546 3 723 3 888 4 042	29 344 24 935 3 366 3 622 3 864 4 094 4 312 4 518	33 085 28 256 3 459 3 743 4 014 4 272 4 518 4 752	37 146 31 875 3 541 3 855 4 156 4 444 4 719 4 982
140 Power input in W 90 1.7 100 1.7 110 1.7 120 1.7 130 140  Current consumption in 90 6.7 100 6.7 110 6.7 120 6.7 130 140  Mass flow in lbs/h 90 16 100 15 110 14 120 12	747 2 7753 2 7749 2 7734 2 - 2 - 2 in A 775 7	057	7 091  2 358 2 428 2 487 2 534 2 571 2 597  8.01 8.18	10 329  2 646 2 755 2 852 2 937 3 012 3 076  8.72 9.00	2 913 3 066 3 207 3 336 3 453 3 560	3 155 3 357 3 546 3 723 3 888 4 042	24 935 3 366 3 622 3 864 4 094 4 312 4 518	28 256 3 459 3 743 4 014 4 272 4 518 4 752	3 541 3 855 4 156 4 444 4 719 4 982
Power input in W  90 17  100 17  110 17  120 17  130 -  140 -  Current consumption in 90 6.7  100 6.7  110 6.7  120 6.7  130 -  140 -  Mass flow in lbs/h  90 16  100 15  110 14  120 12  130 -	747 2 753 2 749 2 734 2 - 2 - 2 in A 75 7	057	2 358 2 428 2 487 2 534 2 571 2 597 8.01 8.18	2 646 2 755 2 852 2 937 3 012 3 076	2 913 3 066 3 207 3 336 3 453 3 560	3 155 3 357 3 546 3 723 3 888 4 042	3 366 3 622 3 864 4 094 4 312 4 518	3 459 3 743 4 014 4 272 4 518 4 752	3 541 3 855 4 156 4 444 4 719 4 982
90 17 100 17 110 17 110 17 120 17 130 - 140 -  Current consumption in 100 6.7 110 6.7 120 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	753 2 7749 2 7734 2 - 2 - 2 in A 75 7 6 7	093 :: 117 :: 131 :: 134 :: 128 :: 17.33 :: 7.42	2 428 2 487 2 534 2 571 2 597 8.01 8.18	2 755 2 852 2 937 3 012 3 076 8.72 9.00	3 066 3 207 3 336 3 453 3 560 9.42 9.80	3 357 3 546 3 723 3 888 4 042	3 622 3 864 4 094 4 312 4 518	3 743 4 014 4 272 4 518 4 752	3 855 4 156 4 444 4 719 4 982
100 17 110 17 110 17 120 17 130 - 140 -  Current consumption in 100 6.7 110 6.7 120 6.7 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	753 2 7749 2 7734 2 - 2 - 2 in A 75 7 6 7	093 :: 117 :: 131 :: 134 :: 128 :: 17.33 :: 7.42	2 428 2 487 2 534 2 571 2 597 8.01 8.18	2 755 2 852 2 937 3 012 3 076 8.72 9.00	3 066 3 207 3 336 3 453 3 560 9.42 9.80	3 357 3 546 3 723 3 888 4 042	3 622 3 864 4 094 4 312 4 518	3 743 4 014 4 272 4 518 4 752	3 855 4 156 4 444 4 719 4 982
110 17 120 17 130 - 140 - 140 -  Current consumption in 90 6.7 100 6.7 110 6.7 120 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	749 2 7734 2 - 2 - 2 in A 75 7	117 : : : : : : : : : : : : : : : : : :	2 487 2 534 2 571 2 597 8.01 8.18	2 852 2 937 3 012 3 076 8.72 9.00	3 207 3 336 3 453 3 560 9.42 9.80	3 546 3 723 3 888 4 042	3 864 4 094 4 312 4 518	4 014 4 272 4 518 4 752	4 156 4 444 4 719 4 982
120 17 130 - 140 -  Current consumption in 90 6.7 100 6.7 110 6.7 120 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	734 2 - 2 - 2 in A 75 7 76 7	131 : : : : : : : : : : : : : : : : : :	2 534 2 571 2 597 8.01 8.18	2 937 3 012 3 076 8.72 9.00	3 336 3 453 3 560 9.42 9.80	3 723 3 888 4 042	4 094 4 312 4 518	4 272 4 518 4 752	4 444 4 719 4 982 10.79
130 - 140 -  Current consumption ii 90 6.7 100 6.7 110 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	- 2 - 2 in A 75 7 76 7	7.33	2 571 2 597 8.01 8.18	3 012 3 076 8.72 9.00	3 453 3 560 9.42 9.80	3 888 4 042 10.03	4 312 4 518 10.51	4 518 4 752 10.68	4 719 4 982 10.79
140 -  Current consumption ii 90 6.7 100 6.7 110 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	- 2 in A 75 7 76 7	7.33	2 571 2 597 8.01 8.18	3 076 8.72 9.00	9.42 9.80	10.03	4 518 10.51	4 752 10.68	4 982
Surrent consumption in   90   6.7   100   6.7   110   6.7   120   6.7   130   -1   140   -1   120   15   110   14   120   120   130   -1   130   -1   130   -1   130   -1   130   -1   130   1.8   130   -1   140   15	in <b>A</b> 75 7 76 7	7.33	8.01 8.18	8.72 9.00	9.42 9.80	10.03	10.51	10.68	10.79
90 6.7 100 6.7 110 6.7 120 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	75 7 76 7	7.42	8.18	9.00	9.80	1		t	
90 6.7 100 6.7 110 6.7 120 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	75 7 76 7	7.42	8.18	9.00	9.80	1		t	
100 6.7 110 6.7 120 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	76 7	7.42	8.18	9.00	9.80	1		t	
110 6.7 120 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -						10.54		1140	
120 6.7 130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	75 7	7.40	0.33		10.17	11.03	11.79		12.38
130 - 140 -  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -	70 7	7.54						12.11	
140  Mass flow in lbs/h 90 16 100 15 110 14 120 12 130			8.46	9.48	10.52	11.51	12.42	12.81	13.16
Mass flow in lbs/h 90 16 100 15 110 14 120 12 130 -		7.51 7.46	8.55	9.68	10.84	11.98	13.03	13.50	13.94
90 16 100 15 110 14 120 12 130 -	- /	7.40	8.61	9.85	11.14	12.42	13.62	14.18	14.70
100 15 110 14 120 12 130 -									
110 14 120 12 130 -	68 2	239	322	420	535	668	823	908	999
120 12 130 -	55 2	225	308	405	518	649	801	885	974
130 -	41 2	211	293	389	500	629	778	861	949
	25 1	195	276	371	481	608	755	836	922
140 -	- 1	177	258	352	461	586	730	810	895
	- 1	157	238	331	438	562	704	782	866
Energy Efficiency Ratio		1	-			1		1	
+			6.98	8.36	9.94	11.75	13.86	15.04	16.32
		1.93	6.00	7.17	8.49	9.99	11.70	12.65	13.67
			5.10	6.10	7.21	8.45	9.85	10.62	11.44
	61 3	3.45	4.27	5.12	6.05	7.08	8.24	8.87	9.54
130 -		2.76	3.48	4.21	4.99	5.85	6.80	7.32	7.87
140 -	- 2	2.09	2.73	3.36	4.02	4.73	5.52	5.95	6.40

Cooling capacity	20 189	Btu/h	Current consumption	10.52	Α
Power input	3 336	W	Mass flow	481	lbs/h
E.E.R.	6.05				

T 0 : Evaporating temperature at dew point

T C: Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 0 °F

All performance data +/- 5%

Maximum HP switch setting	402	psi(g)
Minimum LP switch setting	3	psi(g)
LP pump down setting	13	psi(g)

Sound power data

Sound power level	76	dB(A)
With accoustic hood	69	dB(A)





