



# Danfoss

### **General Characteristics**

Model number (on compressor nameplate)	MLZ015T4LP9A MLZ015T4LP9A		
Code number for Singlepack*	121U8629	121L8629	
Code number for Industrial pack**	121U8628	121L8628	
Drawing number	0XC6300B-1	0XC6300B-1	
Suction and discharge connections	Brazed	Brazed	
Suction connection	3/4 " ODF	3/4 " ODF	
Discharge connection	1/2 " ODF	1/2 " ODF	
Oil sight glass	Threaded	Threaded	
Oil equalisation connection	None	None	
Oil drain connection	1/4" flare	1/4" flare	
LP gauge port	None	None	
IPR valve	32 bar	32 bar	
Swept volume	33.77 cm3/rev		
Displacement @ Nominal speed	5.9 m3/h @ 2900 rpm - 7.1 m3/h @ 3500 rpm		
Net weight	31 kg		
Oil charge	1.06 litre	e, POE	
Maximum system test pressure Low Side / High side	High side - bar(g) / - bar(g)		
Maximum differential test pressure	- bar		
Maximum number of starts per hour	12		
Refrigerant charge limit	3.63 kg		
Approved refrigerants	R404A,R134a,R407A/F,R448A,R449A,R452A,R513A,R22		

#### **Electrical Characteristics**

Nominal voltage	380-400V/3/50Hz - 460V/3/60Hz
Voltage range	340-460 V @ 50Hz - 414-506 V @ 60Hz
Winding resistance between phases 1-2 +/- 7% at 25℃	6.724 Ω
Winding resistance between phases 1-3 +/- 7% at 25℃	4.952 Ω
Winding resistance between phases 2-3 +/- 7% at 25℃	6.724 Ω
Rated Load Amps (RLA)	4.5 A
Maximum Continuous Current (MCC)	7 A
Locked Rotor Amps (LRA)	30 A
Motor protection	Internal overload protector

#### **Recommended Installation torques**

Suction Rotolock nut or valve	0 Nm
Discharge Rotolock nut or valve	0 Nm
Oil sight glass	52.5 Nm
Power connections / Earth connection	0 Nm / 0 Nm

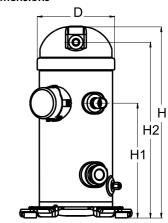
## Parts shipped with compressor

· ····································
Mounting kit with grommets and sleeves
Initial oil charge
Installation instructions

Approvals: CE certified, -, -

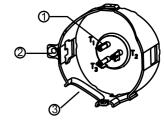
 $\hbox{*Singlepack: Compressor in cardboard box. 1210...\ optimised for Danfoss\ pallet, 1200...\ optimised for\ US\ pallet}$ 

#### **Dimensions**



D=164.5 mm H=412 mm H1=250 mm H2=379 mm H3=- mm

#### **Terminal box**



IP22 1:

3:

Spade connectors 1/4"

2: Earth connection

Power cable passage

<sup>\*\*</sup>Industrial pack: 121U..: 12 unboxed compressors on Danfoss pallet. 120U..: 16 unboxed compressors on US pallet



#### Datasheet, accessories and spare parts

Belt type crankcase heater, 70 W, 240 V, CE mark, UL

Belt type crankcase heater, 70 W, 400/460V, CE mark, UL

### Scroll compressor, MLZ015T4

Rotolock accessories, suction side	Code no.	
Solder sleeve, P04 (1-1/4" Rotolock, 3/4" ODF)	8153008	
Rotolock valve, V04 (1-1/4" Rotolock, 3/4" ODF)	8168029	
Gasket, 1-1/4"	8156131	
Rotolock accessories, discharge side	Code no.	
Solder sleeve, P06 (1" Rotolock, 1/2" ODF)	8153007	Solder sleeve adapter set
Rotolock valve, V06 (1" Rotolock, 1/2" ODF)	8168031	
Gasket, 1"	8156130	
		op ( (((()) (()) (( )) opf ( )
Rotolock accessories, sets	Code no.	
Solder sleeve adapter set (1-1/4" Rotolock, 3/4" ODF), (1" Rotolock, 1/2" ODF)	120Z0126	1 2 3 4
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009	
Oil / lubricants	Code no.	1: Rotolock adapter (Suc & Dis)
POE lubricant, 215PZ(PL46HB), 1 litre can	120Z0648	2: Gasket (Suc & Dis)
		3: Solder sleeve (Suc & Dis)
Crankcase heaters	Code no.	4: Rotolock nut (Suc & Dis)

120Z5040

120Z5041

Miscellaneous accessories	Code no.
Acoustic hood	120Z5083
Discharge thermostat kit	7750009
IP54 upgrade kit	118110056

Spare parts	Code no.
Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers	120Z5005
Terminal box cover	120Z5015



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Superheat = 10 K

**R22** 

Cond. temp. in				Evapora	iting temperature	in °C (to)			
°C (tc)	-20	-15	-10	-5	0	5	10		
Cooling capacit		T	1		Т	1	1		1
16	3 069	3 699	4 420	5 247	-	-	-	-	-
20	2 929	3 556	4 273	5 094	6 030	-	-	-	-
30	2 595	3 200	3 891	4 681	5 583	6 609	7 769	-	-
40	2 288	2 850	3 492	4 230	5 077	6 045	7 145	-	-
50	-	2 512	3 085	3 749	4 519	5 407	6 427	=	-
60	-	-	-	3 245	3 916	4 704	5 622	-	-
68	-	-	-	-	-	4 098	4 920	-	-
Power input in V	v								
16	773	785	803	829	-	-	-	-	-
20	858	870	886	907	935	-	-	-	-
30	1 082	1 098	1 113	1 129	1 147	1 168	1 194	-	-
40	1 329	1 355	1 377	1 395	1 410	1 424	1 437	-	-
50	-	1 652	1 687	1 713	1 733	1 746	1 755	-	-
60	-	-	-	2 094	2 125	2 145	2 156	-	-
68	-	-	-	-	-	2 525	2 543	-	-
O	malam in A								
Current consum	1.49	1.51	1.55	1.59	_	_	_	-	_
20	1.65	1.67	1.71	1.75	1.80	-	-	_	_
30	2.08	2.11	2.14	2.17	2.21	2.25	2.30	-	_
40	2.56	2.61	2.65	2.68	2.71	2.74	2.77	_	_
50	-	3.18	3.25	3.30	3.33	3.36	3.38	_	-
60	_	-	-	4.03	4.09	4.13	4.15	_	_
68	-	_	-	-	-	4.86	4.89	-	-
•			1	•	•	•			•
Mass flow in kg/			Т		T	1			1
16	58	69	83	98	-	-	-	-	-
20	57	69	82	97	115	-	-	-	-
30	55	67	80	96	114	133	155	-	-
40	53	65	78	94	112	132	154	-	-
50	-	62	75	91	109	129	151	-	-
60	-	-	-	86	104	124	146	-	-
68	-	-	-	-	-	117	140	-	-
Coefficient of pe	erformance (C.C	D.P.)							
16	3.97	4.71	5.50	6.33	-	-	-	-	-
20	3.41	4.09	4.82	5.61	6.45	-	-	-	-
30	2.40	2.92	3.50	4.15	4.87	5.66	6.51	-	-
40	1.72	2.10	2.54	3.03	3.60	4.25	4.97	-	-
50	-	1.52	1.83	2.19	2.61	3.10	3.66	-	-
	-	-	-	1.55	1.84	2.19	2.61	_	-
60	-	_							

Nominal performance a	t to = -10 °C, tc = 45 °C
Cooling capacity	3 289

Cooling capacity	3 289	W
Power input	1 525	W
Current consumption	2.94	Α
Mass flow	77	kg/h
C.O.P.	2.16	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.8	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	0.95	bar(g)

Sound power data

Sound power level	67	dB(A)
With accoustic hood	59	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R22** 

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-20	-15	-10	-5	0	5	10		
Cooling capacity	in W	1		1		1	1		
16	2 994	3 620	4 340	5 170	-	-	-	-	-
20	2 865	3 488	4 203	5 026	5 972	-	-	-	-
30	2 557	3 158	3 846	4 636	5 543	6 582	7 769	-	-
40	-	2 834	3 473	4 209	5 056	6 030	7 145	-	-
50	-	-	-	3 752	4 518	5 405	6 427	-	-
60	-	-	-	-	3 934	4 713	5 622	-	-
68	-	-	-	-	-	-	4 920	-	-
Power input in W		T		T	1	1	I I		1
16	773	785	803	829	-	-	-	-	-
20	858	870	886	907	935	-	-	-	-
30	1 082	1 098	1 113	1 129	1 147	1 168	1 194	-	-
40	-	1 355	1 377	1 395	1 410	1 424	1 437	-	-
50	-	-	-	1 713	1 733	1 746	1 755	-	-
60	-	-	-	-	2 125	2 145	2 156	-	-
68	-	-	-	-	-	-	2 543	-	-
Current consum		1		4.50	1	1			1
16	1.49	1.51	1.55	1.59	-	-	-	-	-
20	1.65	1.67	1.71	1.75	1.80	-	-	-	-
30	2.08	2.11	2.14	2.17	2.21	2.25	2.30	-	-
40	-	2.61	2.65	2.68	2.71	2.74	2.77	-	-
50	-	-	-	3.30	3.33	3.36	3.38	-	-
60	-	-	-	-	4.09	4.13	4.15	-	-
68	-	-	-	-	-	-	4.89	-	-
Mass flow in kg/l	<b>.</b>								
16	51	62	76	91	_	-	_	_	_
20	50	62	75	91	109	-	-	<u>-</u>	-
30	48	60	74	90	109	130	155		
40	-	58	72	88	107	129	154		_
50	-	-	-	85	107	129	151	<u> </u>	-
60	<u> </u>	-	-	-	99	120	146	<u> </u>	-
68	<u> </u>	-	-	-	-	-	140	-	-
00	<u> </u>	<u> </u>			<u> </u>		1+0		
Coefficient of pe	rformance (C.C	).P.)							
16	3.87	4.61	5.40	6.24	_	-	-	-	_
20	3.34	4.01	4.74	5.54	6.39	-	-	-	-
30	2.36	2.88	3.46	4.11	4.83	5.64	6.51	_	_
40	-	2.09	2.52	3.02	3.59	4.24	4.97		
50		-	-	2.19	2.61	3.10	3.66		-
60	<u>-</u>	-	-	-	1.85	2.20	2.61	<u>-</u>	-
68	-	-	-	-	-	-	1.94	<u>-</u>	-
00					<u> </u>		1.34		

Nominal performance at to = -10 °C, tc = 45 °C
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Cooling capacity	3 283	W
Power input	1 525	W
Current consumption	2.94	Α
Mass flow	71	kg/h
C.O.P.	2.15	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}$ C , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.8	bar(g)	
Minimum LP switch setting	0.5	bar(g)	
LP pump down setting	0.95	bar(q)	

Sound power data

Sound power level	67	dB(A)
With accoustic hood	59	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Superheat = 10 K

**R22** 

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-20	-15	-10	-5	0	5	10		
									_
Cooling capacity		1		1	1			I	
16	3 502	4 250	5 126	6 133	-	-	-	-	-
20	3 404	4 151	5 022	6 022	7 153	-	-	-	-
30	3 072	3 802	4 647	5 611	6 700	7 916	9 259	-	-
40	2 692	3 383	4 180	5 088	6 113	7 258	8 525	-	-
50	-	2 988	3 715	4 544	5 484	6 537	7 708	-	-
60	-	-	-	4 073	4 905	5 846	6 899	-	-
68	-	-	-	-	-	5 376	6 321	-	-
Power input in W		000	000	000	1	T			
16	845	880	926	982	- 4 400	-	-	-	-
20	951	984	1 024	1 072	1 130	- 4.404	- 4.450	-	-
30	1 216	1 252	1 288	1 324	1 362	1 404	1 450	-	-
40	1 485	1 537	1 581	1 618	1 650	1 678	1 703	-	-
50	-	1 844	1 909	1 961	1 999	2 026	2 043	-	-
60	-	-	-	2 357	2 416	2 455	2 477	-	-
68	-	-	-	-	-	2 859	2 894	-	-
Current consum	ntion in A								
16	1.33	1.38	1.45	1.54	-	-	_	-	-
20	1.49	1.54	1.61	1.68	1.77	_	_	_	_
30	1.91	1.96	2.02	2.08	2.14	2.20	2.27	-	-
40	2.33	2.41	2.48	2.54	2.59	2.63	2.67	-	_
50	-	2.89	3.00	3.08	3.14	3.18	3.21	-	-
60	-	-	-	3.70	3.79	3.85	3.89	-	-
68	-	-	-	-	-	4.49	4.54	-	-
_								•	
Mass flow in kg/l				,		_		r	
16	68	83	100	119	-	-	-	-	-
20	68	83	100	119	141	-	-	-	-
30	66	81	99	118	140	164	189	-	-
40	63	79	96	116	139	163	189	-	-
50	-	74	92	113	136	160	186	-	-
60	-	-	-	107	131	156	183	-	-
68	-	-	-	-	-	151	178	-	-
Coefficient of	ufoumor 10 C	) D )							
Coefficient of pe	4.15	4.83	5.54	6.24	_	1 -	_	_	_
16 20	3.58	4.83	4.90	5.62	6.33	-	-	-	-
		-	1	1	1		1		
30	2.53	3.04	3.61	4.24	4.92	5.64	6.39	-	-
40	1.81	2.20	2.64	3.14	3.70	4.33	5.01	-	-
50	-	1.62	1.95	2.32	2.74	3.23	3.77	-	-
60	-	-	-	1.73	2.03	2.38	2.79	-	-
68	-	-	-	-	-	1.88	2.18	-	-

Nominal performance at to = -10 °C, tc = 45 °C	
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Cooling capacity	3 941	W
Power input	1 740	W
Current consumption	2.73	Α
Mass flow	95	kg/h
C.O.P.	2.26	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.8	bar(g)	
Minimum LP switch setting	0.5	bar(g)	
LP pump down setting	0.95	bar(q)	

Sound power data

Sound power level	71	dB(A)
With accoustic hood	63	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R22** 

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-20	-15	-10	-5	0	5	10		
	_								_
Cooling capacity	in W	•			T	1			•
16	3 417	4 159	5 032	6 043	-	-	-	-	-
20	3 330	4 071	4 940	5 941	7 084	-	-	-	-
30	3 028	3 753	4 594	5 558	6 652	7 884	9 259	-	-
40	-	3 364	4 157	5 063	6 088	7 240	8 525	-	-
50	-	-	-	4 547	5 482	6 534	7 708	-	-
60	-	-	-	-	4 928	5 857	6 899	-	-
68	-	-	-	-	-	-	6 321	-	-
Power input in W			T	T	1				
16	845	880	926	982	-	-	-	-	-
20	951	984	1 024	1 072	1 130	-	-	-	-
30	1 216	1 252	1 288	1 324	1 362	1 404	1 450	-	-
40	-	1 537	1 581	1 618	1 650	1 678	1 703	-	-
50	-	-	-	1 961	1 999	2 026	2 043	-	-
60	-	-	-	-	2 416	2 455	2 477	-	-
68	-	-	-	-	-	-	2 894	-	-
Current consum	ption in A					•			
16	1.33	1.38	1.45	1.54	-	-	-	-	-
20	1.49	1.54	1.61	1.68	1.77	-	-	-	-
30	1.91	1.96	2.02	2.08	2.14	2.20	2.27	-	-
40	-	2.41	2.48	2.54	2.59	2.63	2.67	-	-
50	-	-	-	3.08	3.14	3.18	3.21	-	-
60	-	-	-	-	3.79	3.85	3.89	-	-
68	-	-	-	-	-	-	4.54	-	-
Mass flow in kg/l	h					•			
16	60	74	92	111	-	-	-	-	-
20	60	74	91	111	134	-	-	-	-
30	58	73	90	111	134	160	189	-	-
40	-	71	88	109	132	159	189	-	-
50	-	-	-	105	129	156	186	-	-
60	-	-	-	-	124	152	183	-	-
68	-	-	-	-	-	-	178	-	-
·		<del></del>		·		·		·	
Coefficient of pe	rformance (C.C	).P.)							
16	4.04	4.72	5.44	6.15	-	-	-	-	-
00	3.50	4.14	4.82	5.54	6.27	-	-	-	-
20		3.00	3.57	4.20	4.88	5.62	6.39	-	-
30	2.49	0.00				4.00	E 04	_	_
+	2.49	2.19	2.63	3.13	3.69	4.32	5.01		
30			2.63	3.13 2.32	3.69 2.74	3.22	3.77	-	-
30 40	-	2.19				+	+		

Nominal performance at to = -10 °C, tc = 45 °C	С
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Cooling capacity	3 934	W
Power input	1 740	W
Current consumption	2.73	Α
Mass flow	87	kg/h
C.O.P.	2.26	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}$ C , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.8	bar(g)	
Minimum LP switch setting	0.5	bar(g)	
LP pump down setting	0.95	bar(q)	

Sound power data

Sound power level	71	dB(A)
With accoustic hood	63	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Superheat = 10 K

R134a

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-15	-10	-5	0	5	10	15		
Cooling capacity		,			1	1	,		1
22	2 020	2 554	3 186	3 924	4 778	-	-	-	-
30	1 853	2 353	2 948	3 646	4 456	5 387	-	-	-
40	1 651	2 102	2 642	3 282	4 031	4 897	5 890	-	-
50	-	1 848	2 327	2 902	3 581	4 374	5 289	-	-
60	-	-	2 001	2 503	3 105	3 816	4 646	-	-
70	-	-	-	2 083	2 600	3 223	3 960	-	-
73	-	-	-	1 953	2 443	3 038	3 746	-	-
Power input in W	618	625	631	639	648	_	1		
-		1	1			+	-	-	-
30 40	735 906	742 916	748 924	754 930	762 938	773 948	962	-	-
-		1	1			1	ł	-	
50	-	1 126	1 137	1 147	1 157	1 167	1 181	-	-
60	-	-	1 396	1 411	1 425	1 439	1 455	-	-
70	-	-	-	1 729	1 749	1 769	1 789	-	
73	-	-	-	1 836	1 858	1 880	1 902	-	-
Current consump	ation in A								
22	2.00	2.02	2.03	2.04	2.05	-	_	_	_
30	2.20	2.22	2.23	2.24	2.25	2.26	_	-	_
40	2.43	2.44	2.45	2.46	2.47	2.48	2.50	-	_
50	-	2.80	2.80	2.81	2.82	2.83	2.84		_
60	_	-	3.44	3.44	3.44	3.45	3.46	-	_
70	_	_	-	4.51	4.51	4.52	4.52	-	_
73	-	_	_	4.94	4.94	4.94	4.95	-	_
		<u> </u>							<u> </u>
Mass flow in kg/h	1								
22	43	54	66	80	96	-	-	-	-
30	43	53	65	79	95	113	-	-	-
40	42	52	64	78	94	112	133	-	-
50	-	52	63	77	93	111	132	-	-
60	-	-	62	75	91	109	130	-	-
70	-	-	-	73	89	107	127	-	-
73	-	-	-	73	88	106	126	-	-
Coefficient of per	rformance (C.C	).P.)							
22	3.27	4.09	5.05	6.15	7.37	-	-	-	-
30	2.52	3.17	3.94	4.83	5.85	6.97	-	-	-
40	1.82	2.29	2.86	3.53	4.30	5.17	6.13	-	-
50	-	1.64	2.05	2.53	3.10	3.75	4.48	-	-
60	-	-	1.43	1.77	2.18	2.65	3.19	ı	-
70	-	-	-	1.20	1.49	1.82	2.21	-	-
73	-	-	_	1.06	1.31	1.62	1.97	_	-

Nominal performance at to = -10 °C, tc = 45 °C	
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Cooling capacity	1 975	W
Power input	1 016	W
Current consumption	2.59	Α
Mass flow	52	kg/h
C.O.P.	1.94	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	23.6	bar(g)	
Minimum LP switch setting	0.45	bar(g)	
LP pump down setting	0.85	bar(q)	

Sound power data

Sound power level	67	dB(A)
With accoustic hood	59	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

R134a

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-15	-10	-5	0	5	10	15		
cooling capacity	in W								
22	2 052	2 584	3 211	3 941	4 786	_	_	-	_
30	-	2 397	2 986	3 674	4 471	5 387	-	-	_
40	-	-	2 697	3 325	4 055	4 897	5 862	-	_
50	-	_	2 398	2 958	3 614	4 374	5 247	-	_
60	-	-	-	2 572	3 146	3 816	-	-	_
70	-	_	_	-	2 650	3 223	_	_	_
73	-	-	_	_	2 496	3 038	_	-	_
				I					I
Power input in W		T		1	T		1		Γ
22	618	625	631	639	648	-	-	-	-
30	-	742	748	754	762	773	-	-	-
40	-	-	924	930	938	948	962	-	-
50	-	-	1 137	1 147	1 157	1 167	1 181	-	-
60	-	-	-	1 411	1 425	1 439	-	-	-
70	-	-	-	-	1 749	1 769	-	-	-
73	-	-	-	-	1 858	1 880	-	-	-
urrent consum	ption in A								
22	2.00	2.02	2.03	2.04	2.05	-	-	ı	-
30	-	2.22	2.23	2.24	2.25	2.26	-	1	-
40	-	-	2.45	2.46	2.47	2.48	2.50	ı	-
50	-	-	2.80	2.81	2.82	2.83	2.84	-	-
60	-	-	-	3.44	3.44	3.45	-	-	-
70	-	-	-	-	4.51	4.52	-	-	-
73	-	-	-	-	4.94	4.94	-	-	-
/lass flow in kg/l	n								
22	39	49	62	76	93	-	_	-	-
30	-	49	61	76	93	113	-	-	-
40	-	-	60	75	92	112	136	-	-
50	-	-	59	74	91	111	135	-	-
60	-	-	-	72	89	109	-	-	-
70	-	-	-	-	87	107	-	-	-
73	-	-	-	-	86	106	-	-	-
•									
Coefficient of pe			F 00	0.47	7.00		1		
22	3.32	4.13	5.09	6.17	7.38	-	-	-	-
30	-	3.23	3.99	4.87	5.86	6.97	-	-	-
40	-	-	2.92	3.57	4.32	5.17	6.10	-	-
50	-	-	2.11	2.58	3.12	3.75	4.44	-	-
60	-	-	-	1.82	2.21	2.65	-	-	-
70	-	-	-	-	1.52	1.82	-	-	-
73	-	-	-	-	1.34	1.62	-	-	-

Nominal performance at to = -10 °C, tc = 45 °C

Cooling capacity	-	W
Power input	-	W
Current consumption	-	Α
Mass flow	-	kg/h
C.O.P.	-	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}$ C , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	23.6	bar(g)	
Minimum LP switch setting	0.45	bar(g)	
LP pump down setting	0.85	bar(a)	

Sound power data

Sound power level	67	dB(A)
With accoustic hood	59	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Superheat = 10 K

R134a

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-15	-10	-5	0	5	10	15		
Cooling canacity	ı in W								
Cooling capacity 22	2 496	3 149	3 926	4 828	5 859	-	_	_	_
30	2 277	2 904	3 650	4 517	5 506	6 621	-	-	_
40	2 003	2 591	3 290	4 104	5 035	6 085	7 256	-	_
50	-	2 258	2 903	3 656	4 520	5 496	6 586		_
60	-	-	2 477	3 161	3 949	4 843	5 845	-	_
70	-	_	-	2 608	3 312	4 115	5 021	-	_
73		_	_	2 428	3 106	3 881	4 755	_	_
Power input in V	,			:=-		,	,		I
22	739	753	768	787	810	_	-	_	_
30	872	887	903	920	940	964	_		_
40	1 058	1 080	1 100	1 118	1 138	1 159	1 184		_
50	-	1 303	1 332	1 357	1 380	1 403	1 428	-	_
60	-	-	1 604	1 640	1 672	1 701	1 729	-	_
70	-	_	-	1 972	2 017	2 057	2 094	-	-
73	-	_	_	2 082	2 132	2 176	2 216	-	_
Current consum		1	1		1	1	1		T
22	1.99	2.00	2.01	2.01	2.02	-	-	-	-
30	2.19	2.21	2.22	2.23	2.24	2.26	-	-	-
40	2.42	2.44	2.46	2.47	2.49	2.51	2.54	-	-
50	-	2.77	2.80	2.82	2.84	2.87	2.90	-	-
60	-	-	3.38	3.41	3.44	3.48	3.51	-	-
70	-	-	-	4.40	4.44	4.48	4.53	-	-
73	-	-	-	4.79	4.84	4.88	4.93	-	-
lass flow in kg/	h								
22	54	67	81	98	117	-	-	-	-
30	53	66	81	98	117	138	-	-	-
40	51	65	80	98	118	139	163	-	-
50	-	63	79	97	117	140	164	-	-
60	-	-	77	95	116	139	164	-	-
70	-	-	-	91	113	136	162	-	-
73	-	-	-	90	111	135	161	-	-
coefficient of pe	rformance (C.C	).P.)							
22	3.38	4.18	5.11	6.14	7.23	-	-	-	-
30	2.61	3.27	4.04	4.91	5.86	6.87	-	-	-
40	1.89	2.40	2.99	3.67	4.43	5.25	6.13	-	-
50	-	1.73	2.18	2.69	3.27	3.92	4.61	-	-
60	-	-	1.54	1.93	2.36	2.85	3.38	-	-
70	-	-	-	1.32	1.64	2.00	2.40	-	-
73	-	-	-	1.17	1.46	1.78	2.15	-	_

Nominal performance at to = -10 °C, tc = 45 °C	С
--	---

Cooling capacity	2 427	W
Power input	1 188	W
Current consumption	2.59	Α
Mass flow	64	kg/h
C.O.P.	2.04	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	23.6	bar(g)	
Minimum LP switch setting	0.45	bar(g)	
LP pump down setting	0.85	bar(q)	

Sound power data

Sound power level	71	dB(A)
With accoustic hood	63	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

R134a

Cond. temp. in	Evaporating temperature in °C (to)								
°C (tc)	-15	-10	-5	0	5	10	15		
cooling capacity	in W								
22	2 536	3 186	3 956	4 849	5 869	-	_	-	-
30	-	2 958	3 697	4 551	5 525	6 621	_	-	-
40	-	-	3 358	4 157	5 065	6 085	7 222	-	_
50	1-	_	2 991	3 727	4 561	5 496	6 534	-	-
60	_	_	_	3 249	4 002	4 843	-	_	_
70	1-	_	_	-	3 376	4 115	_	-	-
73	_	_	_	-	3 173	3 881	-	-	-
•									
Power input in W						T			1
22	739	753	768	787	810	-	-	-	-
30	-	887	903	920	940	964	-	-	-
40	-	-	1 100	1 118	1 138	1 159	1 184	-	-
50	-	-	1 332	1 357	1 380	1 403	1 428	-	-
60	-	-	-	1 640	1 672	1 701	-	-	-
70	-	-	-	-	2 017	2 057	-	-	-
73	-	-	-	-	2 132	2 176	-	-	-
current consum	ption in A								
22	1.99	2.00	2.01	2.01	2.02	-	-	-	-
30	-	2.21	2.22	2.23	2.24	2.26	-	-	-
40	-	-	2.46	2.47	2.49	2.51	2.54	-	-
50	-	-	2.80	2.82	2.84	2.87	2.90	-	-
60	-	-	-	3.41	3.44	3.48	-	-	-
70	-	-	-	-	4.44	4.48	-	-	-
73	-	-	-	-	4.84	4.88	-	-	-
		•	•	•	•	•			•
lass flow in kg/l									
22	48	61	76	94	114	-	-	-	-
30	-	60	76	94	115	138	-	-	-
40	-	-	75	94	115	139	167	-	-
50	-	-	74	93	115	140	168	-	-
60	-	-	-	91	113	139	-	-	-
70	-	-	-	-	110	136	-	-	-
73	-	-	-	-	109	135	-	-	-
coefficient of pe	rformance (C.C	).P.)							
22	3.43	4.23	5.15	6.16	7.25	-	-	-	-
30	-	3.33	4.09	4.95	5.88	6.87	-	-	-
40	-	-	3.05	3.72	4.45	5.25	6.10	-	-
50	-	-	2.25	2.75	3.30	3.92	4.58	-	-
60	-	-	-	1.98	2.39	2.85	-	-	-
70	-	-	-	-	1.67	2.00	-	-	-
			_	_	1.49	1.78	_	_	_

Nominal performance at to = -10 °C, tc = 45 °C

Cooling capacity	-	W
Power input	-	W
Current consumption	-	Α
Mass flow	-	kg/h
C.O.P.	-	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}$ C , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	23.6	bar(g)
Minimum LP switch setting	0.45	bar(g)
LP pump down setting	0.85	bar(g)

Sound power data

Sound power level	71	dB(A)
With accoustic hood	63	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R404A** 

Cond. temp. in	Evaporating temperature in °C (to)									
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10	
Cooling capacity		1	Ţ	,	T	T				
10	2 340	2 903	3 593	4 425	5 415	-	-	-	-	
20	2 090	2 625	3 258	4 006	4 885	5 911	7 100	-	-	
30	1 767	2 278	2 860	3 529	4 301	5 194	6 222	7 402	8 749	
40	-	1 851	2 387	2 982	3 654	4 417	5 289	6 286	7 424	
50	-	-	1 829	2 356	2 931	3 571	4 292	5 111	6 044	
60	-	-	-	-	2 122	2 643	3 219	3 865	4 599	
Power input in V	v									
10	783	782	765	736	696	-	-	_	-	
20	977	983	976	958	933	904	876	-	-	
30	1 248	1 250	1 240	1 222	1 199	1 176	1 155	1 141	1 136	
40	-	1 625	1 601	1 572	1 540	1 510	1 485	1 469	1 465	
50	-	-	2 103	2 050	1 997	1 949	1 908	1 879	1 864	
60	-	-	-	-	2 615	2 537	2 468	2 414	2 377	
•		•	•				•	•	•	
Current consum	ption in A									
10	1.61	1.61	1.58	1.52	1.44	-	-	-	-	
20	2.01	2.03	2.01	1.97	1.92	1.86	1.81	-	-	
30	2.57	2.58	2.56	2.52	2.47	2.42	2.38	2.35	2.34	
40	-	3.35	3.30	3.24	3.18	3.11	3.06	3.03	3.02	
50	-	-	4.34	4.23	4.12	4.02	3.94	3.87	3.84	
60	-	-	-	-	5.39	5.23	5.09	4.98	4.90	
Mass flow in kg/		T	T	T	Т	Т	1		1	
10	45	58	74	91	113	-	-	-	-	
20	44	57	72	90	110	135	163	-	-	
30	42	55	70	87	107	131	159	191	229	
40	-	51	66	83	102	126	153	184	221	
50	-	-	58	75	95	117	144	175	211	
60	-	-	-	-	83	105	131	161	197	
Coefficient of pe	erformance (C.C	D.P.)								
10	2.99	3.71	4.69	6.01	7.78	-	-	-	-	
20	2.14	2.67	3.34	4.18	5.24	6.54	8.11	-	-	
30	1.42	1.82	2.31	2.89	3.59	4.42	5.39	6.49	7.70	
40	-	1.14	1.49	1.90	2.37	2.93	3.56	4.28	5.07	
50	-	-	0.87	1.15	1.47	1.83	2.25	2.72	3.24	
60	_	_	-	-	0.81	1.04	1.30	1.60	1.93	

Nominal	performance	at to =	-10 °C	. tc = 45 °C

Cooling capacity	3 302	W
Power input	1 751	W
Current consumption	3.61	Α
Mass flow	99	kg/h
C.O.P.	1.89	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}\text{C}$  , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

Sound power level	67	dB(A)
With accoustic hood	59	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Superheat = 10 K

**R404A** 

Cond. temp. in Evaporating temperature in °C (to)									
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	in W			•					
10	2 248	2 810	3 501	4 339	5 342	-	-	-	-
20	1 966	2 493	3 124	3 876	4 767	5 814	7 032	-	-
30	1 616	2 111	2 686	3 356	4 140	5 055	6 119	7 346	8 749
40	1 197	1 661	2 180	2 771	3 451	4 239	5 152	6 209	7 424
50	-	-	1 605	2 117	2 695	3 358	4 124	5 013	6 044
60	-	-	-	-	1 867	2 405	3 024	3 748	4 599
Power input in W	ı								
10	783	782	765	736	696	_	-	_	-
20	977	983	976	958	933	904	876	-	-
30	1 248	1 250	1 240	1 222	1 199	1 176	1 155	1 141	1 136
40	1 640	1 625	1 601	1 572	1 540	1 510	1 485	1 469	1 465
50	-	-	2 103	2 050	1 997	1 949	1 908	1 879	1 864
60	-	-	-	-	2 615	2 537	2 468	2 414	2 377
		•	· L	•	1			•	
Current consum	ption in A								
10	1.61	1.61	1.58	1.52	1.44	-	-	-	-
20	2.01	2.03	2.01	1.97	1.92	1.86	1.81	-	-
30	2.57	2.58	2.56	2.52	2.47	2.42	2.38	2.35	2.34
40	3.38	3.35	3.30	3.24	3.18	3.11	3.06	3.03	3.02
50	-	-	4.34	4.23	4.12	4.02	3.94	3.87	3.84
60	-	-	-	-	5.39	5.23	5.09	4.98	4.90
Mass flow in kg/l			1		T	Т	1	T	
10	53	68	84	103	124	-	-	-	-
20	52	67	83	101	122	145	172	-	-
30	50	64	80	98	119	142	168	197	229
40	44	59	76	93	113	136	161	190	221
50	-	-	67	85	105	127	152	180	211
60	-	-	-	-	92	114	139	166	197
Coefficient of pe	rformance (C.0	D.P.)							
10	2.87	3.59	4.57	5.90	7.67	-	-	-	-
20	2.01	2.54	3.20	4.05	5.11	6.43	8.03	-	-
30	1.29	1.69	2.17	2.75	3.45	4.30	5.30	6.44	7.70
40	0.73	1.02	1.36	1.76	2.24	2.81	3.47	4.23	5.07
50	-	-	0.76	1.03	1.35	1.72	2.16	2.67	3.24
60	-	-	-	-	0.71	0.95	1.23	1.55	1.93
		1	ш	1	1	1			
Nominal perform	nance at to = -1	0 °C, tc = 45 °C				Pressure switch	settings		
					Г				

Cooling capacity

Current consumption

Power input

Mass flow

C.O.P.

to: Evaporating temperature at dew point tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

3 082

1 751

3.61

109

1.76

W

W

kg/h

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

Sound power level	67	dB(A)
With accoustic hood	59	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R404A** 

Cond. temp. in	Evaporating temperature in °C (to)									
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10	
Cooling capacity	/ in W									
10	2 856	3 532	4 349	5 325	6 478	-	-	-	-	
20	2 514	3 159	3 917	4 805	5 843	7 049	8 441	-	-	
30	2 134	2 750	3 450	4 253	5 177	6 241	7 464	8 863	10 458	
40	-	2 283	2 926	3 644	4 456	5 380	6 434	7 638	9 010	
50	-	-	2 324	2 959	3 659	4 444	5 331	6 341	7 491	
60	-	-	-	-	2 764	3 411	4 133	4 950	5 881	
Power input in V	v									
10	967	947	930	916	902	-	-	-	-	
20	1 209	1 195	1 184	1 172	1 160	1 145	1 126	-	-	
30	1 502	1 497	1 492	1 486	1 477	1 464	1 445	1 418	1 382	
40	-	1 868	1 872	1 872	1 868	1 859	1 841	1 814	1 777	
50	-	-	2 339	2 348	2 351	2 346	2 331	2 306	2 268	
60	-	-	-	-	2 940	2 942	2 932	2 910	2 874	
Current consum	ption in A	<del>,</del>	<del>,</del>	·		<del>,</del>	<del>,</del>			
10	1.52	1.49	1.46	1.44	1.41	-	-	-	-	
20	1.90	1.87	1.86	1.84	1.82	1.80	1.77	-	-	
30	2.36	2.35	2.34	2.33	2.32	2.30	2.27	2.22	2.17	
40	-	2.93	2.94	2.94	2.93	2.92	2.89	2.85	2.79	
50	-	-	3.67	3.68	3.69	3.68	3.66	3.62	3.56	
60	-	-	-	-	4.61	4.62	4.60	4.57	4.51	
Mass flow in kg/	h									
10	52	70	88	110	135	-	-	-	-	
20	51	69	87	108	132	161	195	-	-	
30	49	67	85	105	129	157	190	230	277	
40	-	62	81	102	125	152	185	224	270	
50	-	-	74	95	119	146	178	217	262	
60	-	-	-	-	109	137	169	207	252	
Coefficient of pe	erformance (C.C	).P.)								
10	2.95	3.73	4.68	5.82	7.18	-	-	-	-	
20	2.08	2.64	3.31	4.10	5.04	6.16	7.50	-	-	
30	1.42	1.84	2.31	2.86	3.50	4.26	5.17	6.25	7.57	
40	-	1.22	1.56	1.95	2.38	2.89	3.50	4.21	5.07	
50	-	-	0.99	1.26	1.56	1.89	2.29	2.75	3.30	
60	-	_	-	-	0.94	1.16	1.41	1.70	2.05	

Cooling capacity	4 068	W
Power input	2 097	W
Current consumption	3.29	Α
Mass flow	122	kg/h
C.O.P.	1.94	

to: Evaporating temperature at dew point

Nominal performance at to = -10 °C, tc = 45 °C

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}\text{C}$  , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

Sound power level	71	dB(A)
With accoustic hood	63	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Superheat = 10 K

**R404A** 

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	/ in W	•		•			_		
10	2 744	3 419	4 238	5 222	6 391	-	-	-	-
20	2 364	3 000	3 755	4 649	5 702	6 934	8 361	-	-
30	1 952	2 549	3 240	4 044	4 982	6 074	7 340	8 797	10 458
40	1 493	2 048	2 672	3 386	4 209	5 163	6 268	7 544	9 010
50	-	-	2 038	2 659	3 365	4 179	5 123	6 219	7 491
60	-	-	-	-	2 432	3 103	3 884	4 800	5 881
Power input in V	v								
10	967	947	930	916	902	_	-	-	_
20	1 209	1 195	1 184	1 172	1 160	1 145	1 126	-	-
30	1 502	1 497	1 492	1 486	1 477	1 464	1 445	1 418	1 382
40	1 863	1 868	1 872	1 872	1 868	1 859	1 841	1 814	1 777
50	-	-	2 339	2 348	2 351	2 346	2 331	2 306	2 268
60	-	-	-	-	2 940	2 942	2 932	2 910	2 874
•			· L	•	1			•	
Current consum	ption in A								
10	1.52	1.49	1.46	1.44	1.41	-	-	-	-
20	1.90	1.87	1.86	1.84	1.82	1.80	1.77	-	-
30	2.36	2.35	2.34	2.33	2.32	2.30	2.27	2.22	2.17
40	2.92	2.93	2.94	2.94	2.93	2.92	2.89	2.85	2.79
50	-	-	3.67	3.68	3.69	3.68	3.66	3.62	3.56
60	-	-	-	-	4.61	4.62	4.60	4.57	4.51
Mass flow in kg/	h	1	1	_	•	•	<b>.</b>	•	
10	62	81	101	123	149	-	-	-	-
20	61	80	100	121	146	174	206	-	-
30	58	78	98	119	142	170	201	237	277
40	52	73	93	114	138	165	195	230	270
50	-	-	85	107	131	158	188	223	262
60	-	-	-	-	121	148	179	213	252
Coefficient of pe	rformance (C.(	) P )							
10	2.84	3.61	4.56	5.70	7.09	_	-	_	_
20	1.96	2.51	3.17	3.97	4.91	6.05	7.43	_	_
30	1.30	1.70	2.17	2.72	3.37	4.15	5.08	6.20	7.57
40	0.80	1.10	1.43	1.81	2.25	2.78	3.40	4.16	5.07
50	-	-	0.87	1.13	1.43	1.78	2.20	2.70	3.30
60	<u> </u>	-	-	-	0.83	1.05	1.32	1.65	2.05
- 55		1	I		0.00	1.00	1.02	1.00	2.00
Nominal perform	nance at to = -1	0 °C, tc = 45 °C				Pressure switch	settings		
				_	Г				

to.	Evaporating	temperature	at	dew	noint

Cooling capacity

Current consumption

Power input

Mass flow

C.O.P.

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

3 797

2 097

3.29

135

1.81

W

W

kg/h

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

Sound power level	71	dB(A)
With accoustic hood	63	dB(A)



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions

# **R407A**

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-25	-20	-15	-10	-5	0	5	10	
	. : \								
ooling capacity	2 447	3 061	3 801	4 684			1		
10				†	- E 200	- 6 445	-	-	-
20	2 185	2 766	3 467	4 303	5 290	6 445	7 404	+	
30	1 889	2 424	3 071	3 847	4 766	5 845	7 101	8 547	-
40	1 572	2 047	2 627	3 328	4 165	5 156	6 315	7 658	-
45	-	1 850	2 391	3 050	3 841	4 781	5 887	7 173	-
50	-	-	2 149	2 761	3 502	4 390	5 438	6 664	-
55	-	-	-	2 463	3 152	3 982	4 970	6 132	-
60	-	-	-	-	2 791	3 561	4 485	5 579	-
ower input in V	v								
10	740	749	750	740	-	-	-	-	-
20	890	907	919	924	919	900	-	-	_
30	1 079	1 100	1 120	1 136	1 145	1 144	1 131	1 102	-
40	1 335	1 355	1 377	1 400	1 419	1 433	1 437	1 429	-
45	-	1 513	1 536	1 560	1 583	1 602	1 613	1 614	-
50	-	-	1 718	1 743	1 769	1 792	1 809	1 818	-
55	-	-	-	1 953	1 980	2 006	2 028	2 044	-
60	-	-	-	-	2 219	2 247	2 273	2 295	-
I		•		•	•	•			
urrent consum	ption in A	_						<u> </u>	
10	1.71	1.75	1.78	1.80	-	-	-	-	-
20	2.24	2.29	2.32	2.34	2.35	2.36	-	-	-
30	2.55	2.60	2.63	2.65	2.66	2.67	2.68	2.69	-
40	2.82	2.87	2.90	2.92	2.93	2.94	2.95	2.96	-
45	-	3.05	3.08	3.10	3.11	3.12	3.13	3.14	-
50	-	-	3.32	3.34	3.35	3.36	3.36	3.38	-
55	-	-	-	3.66	3.67	3.68	3.68	3.69	-
60	-	-	-	-	4.10	4.11	4.11	4.12	-
lass flow in kg/	h	_	1		•	•	•		
10	48	59	72	87	-	-	-	-	-
20	46	58	71	87	105	126	-	-	-
30	44	56	69	85	103	125	149	178	-
40	41	52	66	81	100	122	147	175	-
45	-	50	63	79	98	119	145	173	-
50	-	-	61	76	95	117	142	171	-
55	-	-	-	73	92	113	138	167	-
60	-	-	-	-	88	109	135	163	-
		- <b>-</b> .							
oefficient of pe	erformance (C.C 3.31	O.P.) 4.09	5.07	6.33	-	-	_	- 1	_
20	2.46			1			-	-	
30	1.75	3.05 2.20	3.77 2.74	4.66	5.76	7.16		1	
-			1	3.39	4.16	5.11	6.28	7.75	-
40	1.18	1.51	1.91	2.38	2.93	3.60	4.39	5.36	-
45	-	1.22	1.56	1.95	2.43	2.98	3.65	4.44	-
50	-	-	1.25	1.58	1.98	2.45	3.01	3.67	-
55	-	-	-	1.26	1.59	1.99	2.45	3.00	-
60	-	-	-	-	1.26	1.58	1.97	2.43	-
lominal perform	nance at to = -1	0°C tc = 45°C				Pressure switch	settinas		
Comman periorii	101100 at 10 = -1	0 C, IC - 45 C	14/		Г	Maximum LID avril		20.7	h = =/=\

C.O.P.

Cooling capacity

Current consumption

Power input

Mass flow

to: Evaporating temperature at dew point tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

Sound power level	67	dB(A)
With accoustic hood	59	dB(A)

Tolerance according EN12900

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W

W

kg/h

3 050

1 560

3.10

1.95

79



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, ARI rating conditions

# **R407A**

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-25	-20	-15	-10	-5	0	5	10	
Saaling aanaaitu	in M								
Cooling capacity	2 599	3 247	4 029	4 960	_	_	_	_	_
20	2 337	2 956	3 701	4 588	5 636	6 859		_	
30	2 040	2 614	3 307	4 137	1	6 272		<del> </del>	
40	1 719	2 234	2 863	3 620	5 120 4 524	5 592	7 610 6 839	9 151 8 283	
	1719			+				1	
45	-	2 035	2 625	3 341	4 201	5 221	6 418	7 808	-
50	-		2 380	3 051	3 863	4 832	5 976	7 310	-
55 60	-	-	-	2 752	3 513	4 428	5 515	6 791	-
60	-	-	_	-	-	4 011	5 040	6 255	-
Power input in W	ı	_	_						
10	740	749	750	740	-	-	-	-	-
20	890	907	919	924	919	900	-	-	-
30	1 079	1 100	1 120	1 136	1 145	1 144	1 131	1 102	-
40	1 335	1 355	1 377	1 400	1 419	1 433	1 437	1 429	-
45	-	1 513	1 536	1 560	1 583	1 602	1 613	1 614	-
50	-	-	1 718	1 743	1 769	1 792	1 809	1 818	-
55	-	-	-	1 953	1 980	2 006	2 028	2 044	-
60	-	-	-	-	-	2 247	2 273	2 295	-
_									
Current consump		1.75	1 70	1.00	_	_	_	_	_
10	1.71		1.78	1.80		-		<del> </del>	
20	2.24	2.29	2.32	2.34	2.35	2.36	-	-	-
30	2.55	2.60	2.63	2.65	2.66	2.67	2.68	2.69	
40	2.82	2.87	2.90	2.92	2.93	2.94	2.95	2.96	-
45	-	3.05	3.08	3.10	3.11	3.12	3.13	3.14	-
50	-	-	3.32	3.34	3.35	3.36	3.36	3.38	-
55	-	-	-	3.66	3.67	3.68	3.68	3.69	-
60	-	-	-	-	-	4.11	4.11	4.12	-
Mass flow in kg/l	n								
10	47	59	72	87	-	-	-	-	-
20	46	57	71	86	105	125	-	-	-
30	44	55	69	84	103	124	149	176	-
40	41	52	65	81	100	121	146	174	-
45	-	50	63	79	97	119	144	172	-
50	-	-	60	76	94	116	141	170	-
55	-	-	-	73	91	113	138	166	-
60	-	-	-	-	-	109	134	162	-
Coefficient of	ufoumor (C.C	\ <b>D</b> \							
10	3.51	4.34	5.37	6.71	_	_	_	_	_
20	2.63	3.26	4.03	4.96	6.13	7.62	_	_	_
30	1.89	2.38	2.95	3.64	4.47	5.48	6.73	8.30	
40	1.29	1.65	2.93	2.59	3.19	3.90	4.76	5.80	
45	-	1.35	1.71	2.39	2.65	3.90	3.98	4.84	
50	-	-	1.71	1.75	2.03	2.70	3.30	4.04	
50	-	-			1.77	2.70	2.72	3.32	-
55			-	1.41	1.77	4.41	2.12	J.J2	-

#### Nominal performance at to = -10 °C, tc = 45 °C

Cooling capacity	3 341	W	
Power input	1 560	W	
Current consumption	3.10	Α	
Mass flow	79	kg/h	
C.O.P.	2.14		

to: Evaporating temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

Sound power level	67	dB(A)
With accoustic hood	59	dB(A)

Tolerance according EN12900

tc: Condensing temperature at dew point



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions

**R407A** 

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-25	-20	-15	-10	-5	0	5	10	
`aalina aanaai	tor in M								
cooling capaci	2 837	3 629	4 581	5 711	_	_	_		
20	2 495	3 240	4 128	5 179	6 411	7 843	_	-	
		2 824							
30	2 132		3 643	4 608	5 738	7 053	8 571	10 311	-
40	1 751	2 383	3 127	4 001	5 024	6 215	7 593	9 177	
45 50	-	2 155	2 859 2 584	3 685 3 360	4 652	5 779	7 085 6 564	8 589 7 986	-
		-		1	4 270	5 331		†	
55 60	-	-	-	3 028	3 879	4 873	6 031 5 486	7 370	-
60	-	-	-	-	3 478	4 405	5 400	6 741	-
ower input in	w				T	<b>.</b>	1		
10	858	861	867	881	-	-	-	-	-
20	1 056	1 064	1 067	1 070	1 080	1 100	-	-	-
30	1 285	1 310	1 323	1 328	1 331	1 337	1 351	1 379	-
40	1 550	1 605	1 640	1 659	1 668	1 672	1 677	1 687	-
45	-	1 771	1 822	1 853	1 870	1 878	1 882	1 888	-
50	-	-	2 020	2 066	2 094	2 109	2 116	2 121	-
55	-	-	-	2 299	2 341	2 366	2 380	2 387	-
60	-	-	-	-	2 612	2 651	2 674	2 686	-
urrent consur	1	1 71	1.72	1 74	-	-		1	
10	1.68	1.71	1.73	1.74		+	-	-	-
20	2.21	2.25	2.27	2.28	2.29	2.30	- 2.04		
30	2.51	2.56	2.59	2.61	2.62	2.63	2.64	2.66	-
40	2.75	2.81	2.85	2.88	2.90	2.92	2.93	2.96	-
45	-	2.97	3.02	3.05	3.07	3.09	3.12	3.14	-
50	-	-	3.23	3.27	3.30	3.33	3.35	3.38	-
55	-	-	-	3.56	3.60	3.63	3.66	3.69	-
60	-	-	-	-	3.99	4.03	4.06	4.10	-
Mass flow in kg	g/h								
10	55	70	87	107	-	-	-	-	-
20	53	68	85	105	127	154	-	-	-
30	50	65	82	102	125	151	180	214	-
40	46	61	78	98	121	147	176	210	-
	-	58	76	96	118	144	174	207	-
45							t		_
45 50	-	-	73	93	116	142	171	204	
	-	-	73	93 90	116 113	142 139	171 168	204	-
50									
50 55 60	-	-			113	139	168	201	
50 55 60	- - performance (C.C	- - D.P.)	-	90	113	139	168	201	
50 55 60 <b>Coefficient of p</b>	- performance (C.C	- D.P.) 4.22	5.29	90 -	113 109	139 135	168 165	201 198	-
50 55 60 <b>Coefficient of p</b> 10 20	- - performance (C.C 3.31 2.36	- - D.P.) 4.22 3.05	5.29 3.87	90 - 6.48 4.84	113 109 - 5.94	139 135 - 7.13	168 165	201 198	- - -
50 55 60 <b>Coefficient of p</b> 10 20 30	- 	- - D.P.) 4.22 3.05 2.15	5.29 3.87 2.75	90 - 6.48 4.84 3.47	113 109 - 5.94 4.31	139 135 - 7.13 5.27	168 165	201 198 - - - 7.48	-
50 55 60 Coefficient of p 10 20 30 40	- 	- - D.P.) 4.22 3.05 2.15 1.49	5.29 3.87 2.75	90 - 6.48 4.84 3.47 2.41	- 5.94 4.31 3.01	139 135 - 7.13 5.27 3.72	168 165 - - - 6.34 4.53	201 198 - - - 7.48 5.44	- - -
50 55 60 Coefficient of p 10 20 30 40 45			5.29 3.87 2.75 1.91 1.57	6.48 4.84 3.47 2.41 1.99	- 5.94 4.31 3.01 2.49	139 135 - 7.13 5.27 3.72 3.08	- - - 6.34 4.53 3.76	201 198 - - 7.48 5.44 4.55	- - - - -
50 55 60 <b>Coefficient of p</b> 10 20 30 40	- 	- - D.P.) 4.22 3.05 2.15 1.49	5.29 3.87 2.75	90 - 6.48 4.84 3.47 2.41	- 5.94 4.31 3.01	139 135 - 7.13 5.27 3.72	168 165 - - - 6.34 4.53	201 198 - - - 7.48 5.44	- - -

Nominal	performance	at to = -10	°C, tc = 45 °C
	p 00a		-,

Cooling capacity	3 685	W	
Power input	1 853	W	
Current consumption	3.05	Α	
Mass flow	96	kg/h	
C.O.P.	1.99		

to: Evaporating temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

Sound power level	71	dB(A)
With accoustic hood	63	dB(A)

Tolerance according EN12900

tc: Condensing temperature at dew point



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, ARI rating conditions

# **R407A**

Cond. temp. in	Evaporating temperature in °C (to)									
°C (tc)	-25	-20	-15	-10	-5	0	5	10		
Cooling consoits	in M									
10	3 013	3 851	4 856	6 048	_	_	_	I _ I		
20	2 669	3 462	4 407	5 522	6 829	8 346				
30	2 303	3 045	3 923	4 956		7 568		11 038		
40	1 915	2 602	3 407	4 352	6 164 5 457	6 740	9 186 8 223	9 926		
	1915			+				+		
45	-	2 370	3 138	4 037	5 088	6 310	7 724	9 349		
50	-		2 862	3 714	4 709	5 869	7 213	8 761	-	
55	-	-	-	3 383	4 323	5 419	6 692	8 162	-	
60	-	-	-	-	-	4 962	6 165	7 557	-	
Power input in W	ı	_	_		1					
10	858	861	867	881	-	-	-	-	-	
20	1 056	1 064	1 067	1 070	1 080	1 100	-	-	-	
30	1 285	1 310	1 323	1 328	1 331	1 337	1 351	1 379	-	
40	1 550	1 605	1 640	1 659	1 668	1 672	1 677	1 687	-	
45	-	1 771	1 822	1 853	1 870	1 878	1 882	1 888	-	
50	-	-	2 020	2 066	2 094	2 109	2 116	2 121	-	
55	-	-	-	2 299	2 341	2 366	2 380	2 387	-	
60	-	-	-	-	-	2 651	2 674	2 686	-	
Current consum			1.70	1	1	1	1	1		
10	1.68	1.71	1.73	1.74	-	-	-	-	-	
20	2.21	2.25	2.27	2.28	2.29	2.30	-	-	-	
30	2.51	2.56	2.59	2.61	2.62	2.63	2.64	2.66	-	
40	2.75	2.81	2.85	2.88	2.90	2.92	2.93	2.96	-	
45	-	2.97	3.02	3.05	3.07	3.09	3.12	3.14	-	
50	-	-	3.23	3.27	3.30	3.33	3.35	3.38	-	
55	-	-	-	3.56	3.60	3.63	3.66	3.69	-	
60	-	-	-	-	-	4.03	4.06	4.10	-	
Mass flow in kg/l	n									
10	55	70	86	106	_	-	_	_	_	
20	53	67	84	104	127	153	_	_	-	
30	50	64	81	101	124	150	179	213	_	
40	45	60	78	97	120	146	175	209	_	
45	-	58	75	95	118	144	173	206	_	
50	-	-	73	92	115	141	170	203	_	
55	-	_	-	89	112	138	167	200	_	
60	-	-	-	-	-	135	164	197	-	
<u> </u>		•	•		•	•	•	•		
Coefficient of pe	,	, <i>'</i>	F 00	0.00	1		1	<u> </u>		
10	3.51	4.47	5.60	6.86	-	- 7.50	-	-	-	
20	2.53	3.26	4.13	5.16	6.33	7.59	-	-	-	
30	1.79	2.32	2.97	3.73	4.63	5.66	6.80	8.00	-	
40	1.24	1.62	2.08	2.62	3.27	4.03	4.90	5.88	-	
45	-	1.34	1.72	2.18	2.72	3.36	4.10	4.95	-	
50	-	-	1.42	1.80	2.25	2.78	3.41	4.13	-	
55	-	-	-	1.47	1.85	2.29	2.81	3.42	-	
60	-	-	-	-	-	1.87	2.31	2.81	-	

#### Nominal performance at to = -10 °C, tc = 45 °C

monimum portormanos acto	0,	-0 0		
Cooling capacity		4 037	W	
Power input		1 853	W	
Current consumption		3.05	Α	
Mass flow		95	kg/h	
C.O.P.		2.18		

to: Evaporating temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

Sound power level	71	dB(A)
With accoustic hood	63	dB(A)

Tolerance according EN12900

tc: Condensing temperature at dew point



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Superheat = 10 K

**R407C** 

Cond. temp. in	Evaporating temperature in °C (to)										
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10		
Cooling capacity	in W -	1 921	2.414	2 997	3 673	4.450	5 333	6 327	7 440		
30		+	2 414	1		4 450	1				
35	-	1 781	2 263	2 830	3 486	4 238	5 091	6 052	7 126		
40	-	1 645	2 112	2 658	3 289	4 012	4 831	5 754	6 785		
45	-	-	1 968	2 490	3 092	3 781	4 562	5 442	6 425		
50	-	-	-	2 335	2 903	3 554	4 292	5 124	6 056		
55	-	-	-	-	2 731	3 339	4 031	4 811	5 686		
60	-	-	-	-	-	3 145	3 785	4 508	5 322		
65	-	-	-	-	-	-	3 561	4 223	4 971		
Power input in W											
30	-	1 000	1 029	1 058	1 086	1 115	1 147	1 181	1 218		
35	-	1 109	1 146	1 178	1 208	1 236	1 262	1 289	1 316		
40	-	1 217	1 264	1 304	1 337	1 366	1 391	1 412	1 432		
45	-	-	1 383	1 433	1 473	1 506	1 532	1 552	1 566		
50	-	-	-	1 565	1 616	1 656	1 685	1 706	1 718		
55	-	-	-	-	1 764	1 814	1 850	1 875	1 888		
60	-	-	-	-	-	1 980	2 026	2 058	2 075		
65	-	-	-	-	-	-	2 214	2 255	2 279		
Current concumn	tion in A										
30	tion in A	1.80	1.86	1.91	1.96	2.01	2.07	2.13	2.20		
35		2.00	2.07	2.13	2.18	2.23	2.28	2.32	2.37		
40	_	2.20	2.28	2.35	2.41	2.46	2.51	2.55	2.58		
45	_	-	2.50	2.58	2.66	2.72	2.76	2.80	2.83		
50		-	-	2.82	2.92	2.72	3.04	3.08	3.10		
55		-	-	-	3.18	3.27	3.34	3.38	3.41		
60		-	_	-	-	3.57	3.66	3.71	3.74		
65	-	-	-	-	-	-	3.99	4.07	4.11		
05		-	_	_	-		3.99	4.07	4.11		
Mass flow in kg/h				Т	T	Т		T	ı		
30	-	37	47	59	73	89	108	129	153		
35	-	36	46	58	72	88	107	129	153		
40	-	34	45	57	71	88	107	128	152		
45	-	-	43	55	70	86	106	127	151		
50	-	-	-	53	68	85	104	126	150		
55	-	-	-	-	66	83	103	124	149		
60	-	-	-	-	-	81	100	123	147		
65	-	-	-	-	-	-	98	120	145		
Coefficient of perf	formance (C.0	D.P.)									
30	-	1.92	2.35	2.83	3.38	3.99	4.65	5.36	6.11		
35	-	1.61	1.98	2.40	2.89	3.43	4.03	4.70	5.42		
40	-	1.35	1.67	2.04	2.46	2.94	3.47	4.07	4.74		
45	-	-	1.42	1.74	2.10	2.51	2.98	3.51	4.10		
50	-	-	-	1.49	1.80	2.15	2.55	3.00	3.52		
55	-	-	-	-	1.55	1.84	2.18	2.57	3.01		
	-	-	-	-	-	1.59	1.87	2.19	2.56		
60											

# Nominal performance at to = -10 °C, tc = 45 °C

	-,		
Cooling capacity	3 092	W	
Power input	1 473	W	
Current consumption	2.66	Α	
Mass flow	70	kg/h	
C.O.P.	2.10		

to: Evaporating temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

#### Pressure switch settings

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	bar(g)

#### Sound power data

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

Tolerance according EN12900

tc: Condensing temperature at dew point



#### Scroll compressor. MLZ015T4 Datasheet, performance data **R407C** Performance data at 50 Hz, Cond. temp. in Evaporating temperature in °C (to) °C (tc) -30 -25 -20 -15 -10 -5 0 5 10 Cooling capacity in W 30 35 40 45 50 55 60 65 Power input in W 30 35 40 45 50 55 60 65 Current consumption in A 30 35 40 45 50 55 60 65 Mass flow in kg/h 30 35 40 45 50 55 60 65 Coefficient of performance (C.O.P.)

30	-	-	-	-	•	•	i	1	-
35	-	-	-	-	-	-	ì	-	-
40	-	-	-	-	•	•	i	1	-
45	-	-	-	-	-	-	ì	-	-
50	-	-	-	-	•	•	i	1	-
55	-	-	-	-	-	-	ì	-	-
60	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-

#### Nominal performance at to = °C, tc = °C

	-,	
Cooling capacity	-	W
Power input	-	W
Current consumption	-	Α
Mass flow	-	kg/h
C.O.P.	-	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = °C , Subcooling = K

#### Pressure switch settings

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	bar(g)

#### Sound power data

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

Tolerance according EN12900



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Superheat = 10 K

**R407C** 

Cond. temp. in	Evaporating temperature in °C (to)										
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10		
Caaling canacity	:										
Cooling capacity 30	-	2 305	2 897	3 596	4 408	5 340	6 399	7 593	8 928		
35	_	2 137	2 716	3 396	4 183	5 085	6 109	7 262	8 552		
40		1 974	2 534	3 189	3 947	4 814	5 798	6 905	8 142		
45		1974	2 362	2 988	3 710	4 537	5 474	6 530	7 710		
			2 302	+		1					
50	-	-	-	2 802	3 484	4 265	5 151	6 149	7 267		
55	-	-	-		3 278	4 007	4 837	5 773	6 823		
60	-	-	-	-	-	3 774	4 541	5 410	6 386		
65	-	-	-	-	-	-	4 273	5 068	5 965		
Power input in W		_	_				1				
30	-	1 183	1 220	1 255	1 290	1 326	1 364	1 405	1 451		
35	-	1 307	1 354	1 396	1 433	1 468	1 501	1 533	1 567		
40	-	1 431	1 491	1 542	1 585	1 622	1 653	1 681	1 706		
45	-	-	1 630	1 694	1 746	1 788	1 821	1 847	1 866		
50	-	-	-	1 850	1 915	1 965	2 003	2 030	2 047		
55	-	-	-	-	2 090	2 153	2 199	2 230	2 248		
60	-	-	-	-	-	2 350	2 408	2 447	2 468		
65	-	-	-	-	-	-	2 629	2 679	2 708		
		•			•		•	•			
Current consump		1	T				T		T		
30	-	1.86	1.91	1.97	2.02	2.08	2.14	2.20	2.28		
35	-	2.05	2.12	2.19	2.25	2.30	2.35	2.41	2.46		
40	-	2.25	2.34	2.42	2.49	2.54	2.59	2.64	2.68		
45	-	-	2.56	2.66	2.74	2.81	2.86	2.90	2.93		
50	-	-	-	2.90	3.00	3.08	3.14	3.18	3.21		
55	-	-	-	-	3.28	3.38	3.45	3.50	3.53		
60	-	-	-	-	-	3.69	3.78	3.84	3.87		
65	-	-	-	-	-	-	4.12	4.20	4.25		
Mass flow in kg/h											
30	-	44	56	71	87	107	129	155	184		
35	-	43	55	70	87	106	129	154	183		
40	-	41	54	68	85	105	128	154	183		
45	-	-	52	66	84	104	127	153	182		
50	_	-	-	64	82	102	125	151	181		
55	-	-	_	-	79	100	123	149	179		
60		-	-		-	97	120	147	177		
65	-	-	-	-	-	-	117	144	174		
0											
30	formance (C.C	1.95	2.37	2.86	3.42	4.03	4.69	5.40	6.15		
35		1.63	2.01	2.43	2.92	3.46	4.03	4.74	5.46		
40	-	1.38	1.70	2.43	2.49	2.97	3.51	4.11	4.77		
				+		1					
45	-	-	1.45	1.76	2.12	2.54	3.01	3.54	4.13		
50	-	-	-	1.51	1.82	2.17	2.57	3.03	3.55		
55	-	-	-	-	1.57	1.86	2.20	2.59	3.04		
60	-	-	-	-	-	1.61	1.89	2.21	2.59		
65	-	-	-	-	-	-	1.63	1.89	2.20		

Nominal performance at to = -10 °C, tc = 45 °C

Cooling capacity	3 710	W	
Power input	1 746	W	
Current consumption	2.74	Α	
Mass flow	84	kg/h	
C.O.P.	2.12		

to: Evaporating temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	bar(g)

#### Sound power data

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

Tolerance according EN12900

tc: Condensing temperature at dew point



### Scroll compressor. MLZ015T4

### Performance data at 60 Hz,

**R407C** 

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	in W								_
30	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-
60	-	-	-	-	=	-	-	-	-
65	-	-	-	-	=	-	-	-	-
•		•	•	•		•	•		
Power input in W									
30	-	_	-	-	_	-	_	-	-
35	-	-	-	-	_	-	-	-	-
40	-	-	-	_	_	_	-	_	-
45	-	-	_	_	_	_	_	-	-
50	-	-	-	-	_	_	-	-	_
55		-	-	-	-	-	-	-	-
60		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-
	41 1 4								
Current consump		I	I	1		1	T		
30	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-
Mass flow in kg/h									
30	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-
55	-	-	-	-	_	-	-	-	-
60	-	-	-	-	_	-	-	-	-
65	-	-	-	-	-	-	-	-	-
		1	I	1	ı	1	1	1	1
Coefficient of per	formance (C.C	).P.)							
30	-	-	-	_	-	-	-	-	_
35		_	-	-	_	_	-	-	-
40		-	-	-	-	-	-	-	-
						1	1		
45	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-

#### Nominal performance at to = °C, tc = °C

-,	-		
Cooling capacity	-	W	
Power input	-	W	
Current consumption	-	Α	
Mass flow	-	kg/h	
C.O.P.	-		

to: Evaporating temperature at dew point

Rating conditions : Suction gas temp. = °C , Subcooling = K

#### Pressure switch settings

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	bar(g)

#### Sound power data

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

Tolerance according EN12900

tc: Condensing temperature at dew point



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions

**R407F** 

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-23	-20	-15	-10	-5	0	5	10	
Cooling capacity		1 0004	1.004	1			1	1	
10	2 830	3 231	4 001	4 914	-	-	-	-	-
20	2 552	2 933	3 667	4 537	5 561	6 754	-	-	-
30	2 233	2 586	3 268	4 080	5 039	6 162	7 465	8 965	-
40	1 886	2 202	2 816	3 555	4 434	5 472	6 683	8 085	-
45	-	-	2 575	3 271	4 105	5 094	6 253	7 600	-
50	-	-	-	2 976	3 760	4 696	5 801	7 089	-
55	-	-	-	-	3 402	4 281	5 326	6 552	-
60	-	-	-	-	-	-	-	-	-
Power input in V	v								
10	786	788	790	790	-	-	_	-	-
20	953	959	965	969	972	973	_	-	-
30	1 160	1 171	1 185	1 194	1 201	1 206	1 209	1 213	-
40	1 426	1 443	1 466	1 484	1 497	1 507	1 514	1 520	-
45	-	-	1 636	1 659	1 676	1 689	1 699	1 707	-
50	-	-	-	1 857	1 879	1 896	1 909	1 919	-
55	-	_	_	-	2 107	2 129	2 146	2 159	-
60	-	_	_	_	_	_	-	_	_
		1		1	I	1	l		
Current consum	ption in A								
10	1.82	1.84	1.87	1.88	-	-	-	-	-
20	2.40	2.42	2.45	2.46	2.47	2.47	-	-	-
30	2.73	2.75	2.78	2.80	2.81	2.81	2.82	2.83	-
40	3.03	3.05	3.08	3.09	3.10	3.10	3.11	3.12	-
45	-	-	3.27	3.28	3.29	3.30	3.30	3.31	-
50	-	-	-	3.54	3.55	3.55	3.56	3.57	-
55	-	-	-	-	3.90	3.90	3.90	3.91	-
60	-	-	-	-	-	-	-	-	-
Mass flow in kg/	h	_		1	T	1	ı	, ,	
10	49	56	69	83	-	-	-	-	-
20	48	55	68	83	100	120	-	-	-
30	46	53	66	81	98	119	142	169	-
40	43	49	62	77	95	115	139	166	-
45	-	-	60	75	93	113	137	164	-
50	-	-	-	72	90	110	134	161	-
55	-	-	-	-	86	107	131	158	-
60	-	-	-	-	-	-	-	-	-
Coefficient of pe	erformance (C.C	D.P.)							
10	3.60	4.10	5.07	6.22	-	-	-	-	-
20	2.68	3.06	3.80	4.68	5.72	6.94	-	-	-
30	1.92	2.21	2.76	3.42	4.20	5.11	6.17	7.39	-
40	1.32	1.53	1.92	2.40	2.96	3.63	4.41	5.32	-
45	-	-	1.57	1.97	2.45	3.02	3.68	4.45	-
50	-	-	-	1.60	2.00	2.48	3.04	3.69	-
55	-	-	-	-	1.61	2.01	2.48	3.04	-
60	-	-	-	-	-	-	-	-	-
Nominal perform	nance at to = -1	u °C, tc = 45 °C				Pressure switch	settings		

Cooling capacity	3 271	W	
Power input	1 659	W	
Current consumption	3.28	Α	
Mass flow	75	kg/h	
C.O.P.	1.97		

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

Sound power level	67	dB(A)
With accoustic hood	59	dB(A)

Tolerance according EN12900



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, ARI rating conditions

# **R407F**

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-23	-20	-15	-10	-5	0	5	10	
Cooling capacity		2.442	4.000	5.404	I	T			
10	2 991	3 413	4 223	5 184	-		-	-	-
20	2 713	3 117	3 894	4 814	5 895	7 155		-	-
30	2 392	2 769	3 495	4 359	5 379	6 572	7 956	9 546	-
40	-	2 380	3 041	3 834	4 777	5 888	7 185	8 683	-
45	-	-	2 797	3 549	4 448	5 513	6 760	8 208	-
50	-	-	-	3 252	4 104	5 118	6 313	7 706	-
55	-	-	-	-	-	4 706	5 846	7 181	-
60	-	-	-	-	-	-	-	-	-
Power input in W	ı								
10	786	788	790	790	-	-	-	-	-
20	953	959	965	969	972	973	-	-	-
30	1 160	1 171	1 185	1 194	1 201	1 206	1 209	1 213	-
40	-	1 443	1 466	1 484	1 497	1 507	1 514	1 520	_
45	-	-	1 636	1 659	1 676	1 689	1 699	1 707	_
50	-	_	-	1 857	1 879	1 896	1 909	1 919	_
55	-	-	-	-	-	2 129	2 146	2 159	-
60	-	-	-	_	_	-	-	-	_
-		ı	ı	1	l .	1	I.	l l	
Current consum	ption in A								
10	1.82	1.84	1.87	1.88	-	-	-	-	-
20	2.40	2.42	2.45	2.46	2.47	2.47	-	-	_
30	2.73	2.75	2.78	2.80	2.81	2.81	2.82	2.83	-
40	-	3.05	3.08	3.09	3.10	3.10	3.11	3.12	-
45	-	-	3.27	3.28	3.29	3.30	3.30	3.31	-
50	-	-	-	3.54	3.55	3.55	3.56	3.57	-
55	-	-	-	-	-	3.90	3.90	3.91	_
60	-	-	-	-	-	-	-	-	-
<u> </u>		1	1	· I			1		
Mass flow in kg/l	h	1	1	1		1	1		
10	49	56	68	83	-	-	-	-	-
20	48	55	67	82	99	119	-	-	-
30	46	52	65	80	98	118	141	168	-
40	-	49	62	77	94	115	138	165	-
45	-	-	60	74	92	112	136	163	-
50	-	-	-	72	89	110	133	160	-
55	-	-	-	-	-	106	130	157	-
60	-	-	-	-	-	-	-	-	-
Coefficient of pe	rformance (C C	) P )							
10	3.81	4.33	5.35	6.56	_	-	_	_	_
20	2.85	3.25	4.03	4.97	6.07	7.35	-	-	_
30	2.06	2.36	2.95	3.65	4.48	5.45	6.58	7.87	
40	-	1.65	2.93	2.58	3.19	3.43	4.74	5.71	
45	-	-	1.71	2.56	2.65	3.26	3.98	4.81	
	-	1	-					<del> </del>	
50 55		-	+	1.75	2.18	2.70	3.31	4.02	
	-	-	-	-	-	2.21	2.72	3.33	-

#### Nominal performance at to = -10 °C, tc = 45 °C

recommendation of the contract			
Cooling capacity	3 549	W	
Power input	1 659	W	
Current consumption	3.28	Α	
Mass flow	74	kg/h	
C.O.P.	2.14		

to: Evaporating temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

# Sound power data

ı	Sound power level	67	dB(A)
ı	With accoustic hood	59	dB(A)

Tolerance according EN12900

tc: Condensing temperature at dew point



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions

**R407F** 

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-23	-20	-15	-10	-5	0	5	10	
Cooling capacity		0.077	4.070	1 0000		1	1	1	
10	3 355	3 877	4 878	6 062	-	-	-	-	-
20	2 986	3 480	4 421	5 528	6 822	8 321	-	-	-
30	2 591	3 051	3 924	4 948	6 143	7 527	9 122	10 946	-
40	2 171	2 594	3 393	4 326	5 415	6 677	8 134	9 805	-
45	-	-	3 115	4 001	5 033	6 232	7 618	9 209	-
50	-	-	-	3 666	4 641	5 774	7 087	8 597	-
55	-	-	-	-	4 238	5 304	6 542	7 969	-
60	-	-	-	-	-	-	-	-	-
Power input in V	v								
10	914	914	920	944	-	_	-	_	-
20	1 133	1 133	1 130	1 132	1 147	1 183	-	-	-
30	1 392	1 404	1 411	1 409	1 409	1 417	1 444	1 499	-
40	1 687	1 722	1 757	1 772	1 775	1 774	1 779	1 800	_
45	-	-	1 954	1 984	1 995	1 997	1 999	2 009	
50	_	_	-	2 215	2 240	2 249	2 252	2 257	_
55	-	_	_	-	2 508	2 530	2 539	2 543	_
60	_	_	-	_	-	-	-	-	_
00		1		1	I.		I	l l	
Current consum	ption in A								
10	1.80	1.82	1.84	1.84	-	-	-	-	-
20	2.39	2.41	2.43	2.44	2.44	2.44	-	-	-
30	2.73	2.75	2.78	2.80	2.80	2.81	2.82	2.83	-
40	3.00	3.04	3.07	3.10	3.11	3.12	3.14	3.16	-
45	-	-	3.25	3.28	3.30	3.32	3.34	3.36	_
50	-	-	-	3.53	3.55	3.57	3.60	3.62	-
55	-	-	-	-	3.88	3.91	3.93	3.96	-
60	-	-	-	-	-	-	-	-	-
<u> </u>		1	I.	11		1	JI.		
Mass flow in kg/	'h								
10	59	67	84	103	-	-	-	-	-
20	56	65	82	101	123	148	-	-	-
30	53	62	79	98	120	145	173	206	-
40	49	58	75	94	116	141	169	202	-
45	-	-	72	92	113	138	167	199	-
50	-	-	-	89	111	136	164	196	-
55	-	-	-	-	108	132	161	192	-
60	-	-	-	-	-	-	-	-	-
Coefficient of pe	erformance (C.0	D.P.)							
10	3.67	4.24	5.30	6.42	-	-	-	-	-
20	2.64	3.07	3.91	4.88	5.95	7.03	-	-	-
30	1.86	2.17	2.78	3.51	4.36	5.31	6.32	7.30	-
40	1.29	1.51	1.93	2.44	3.05	3.76	4.57	5.45	-
45	-	-	1.59	2.02	2.52	3.12	3.81	4.58	-
50	-	-	-	1.66	2.07	2.57	3.15	3.81	-
55	-	-	-	-	1.69	2.10	2.58	3.13	_
60	-	-	-	-	-	-	-	-	-
<u> </u>			•	•	•				
Nominal perforn	nance at to = -1	0 °C, tc = 45 °C			_	Pressure switch	settings		

Cooling capacity	4 001	W	
Power input	1 984	W	
Current consumption	3.28	Α	
Mass flow	92	kg/h	
C.O.P.	2.02		

to: Evaporating temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

# Sound power data

Sound power level	71	dB(A)
With accoustic hood	63	dB(A)

Tolerance according EN12900

tc: Condensing temperature at dew point



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, ARI rating conditions

**R407F** 

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-23	-20	-15	-10	-5	0	5	10	
0	: \A/								
Cooling capacity	3 545	4 095	5 150	6 395	_	_	_		_
		1	1	1		+	-	†	
20	3 175	3 698	4 694	5 865	7 232	8 814	1	-	-
30	2 776	3 267	4 197	5 288	6 558	8 029	9 721	11 655	-
40	-	2 805	3 664	4 666	5 834	7 186	8 745	10 531	-
45	-	-	3 384	4 341	5 454	6 745	8 235	9 945	-
50	-	-	-	4 006	5 064	6 293	7 713	9 345	-
55	-	-	-	-	-	5 831	7 180	8 734	-
60	-	-	-	-	-	-	-	-	-
Power input in W	ı								
10	914	914	920	944	-	-	-	-	-
20	1 133	1 133	1 130	1 132	1 147	1 183	-	-	-
30	1 392	1 404	1 411	1 409	1 409	1 417	1 444	1 499	-
40	-	1 722	1 757	1 772	1 775	1 774	1 779	1 800	-
45	-	-	1 954	1 984	1 995	1 997	1 999	2 009	-
50	-	-	-	2 215	2 240	2 249	2 252	2 257	-
55	-	-	-	-	-	2 530	2 539	2 543	-
60	-	_	-	-	_	-	-	-	-
		1	1	I .		I .		1	
Current consum	ption in A								
10	1.80	1.82	1.84	1.84	-	-	-	-	-
20	2.39	2.41	2.43	2.44	2.44	2.44	-	-	-
30	2.73	2.75	2.78	2.80	2.80	2.81	2.82	2.83	-
40	-	3.04	3.07	3.10	3.11	3.12	3.14	3.16	-
45	-	_	3.25	3.28	3.30	3.32	3.34	3.36	-
50	-	_	-	3.53	3.55	3.57	3.60	3.62	-
55	-	_	_	_	_	3.91	3.93	3.96	_
60	-	_	_	_	_	-	_	-	_
				I		I		l l	
Mass flow in kg/l	h								
10	58	67	83	102	-	-	-	-	-
20	56	65	81	100	122	147	-	-	-
30	53	62	78	97	119	144	172	205	-
40	-	58	74	93	115	140	168	200	-
45	-	-	72	91	113	138	166	198	-
50	-	_	-	88	110	135	163	195	-
55	-	-	-	-	-	132	160	191	-
60	-	-	-	-	-	-	-	-	-
Coefficient of	ufoumou 10 0	. D. \							
Coefficient of pe	•	T .	F 00	6 77	_	_	_	_ [	
10	3.88	4.48	5.60	6.77		1		†	-
20	2.80	3.26	4.15	5.18	6.31	7.45	- 0.70	- 7.70	-
30	1.99	2.33	2.98	3.75	4.66	5.67	6.73	7.78	-
40	-	1.63	2.08	2.63	3.29	4.05	4.91	5.85	-
45	-	-	1.73	2.19	2.73	3.38	4.12	4.95	-
50	-	-	-	1.81	2.26	2.80	3.42	4.14	-
55	-	-	-	-	-	2.30	2.83	3.43	-
60	-	-	-	-	-	-	-	-	-

Nominal performance at to = -10 °C, tc = 45 °C

nominal portormanos at to	,	70 0		
Cooling capacity		4 341	W	
Power input		1 984	W	
Current consumption		3.28	Α	
Mass flow		91	kg/h	
C.O.P.		2.19		

to: Evaporating temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Pressure switch settings

Maximum HP switch	setting	29.7	bar(g)
Minimum LP switch s	setting	1.4	bar(g)
LP pump down settir	ng	2	bar(g)

#### Sound power data

Sound power level	71	dB(A)
With accoustic hood	63	dB(A)

Tolerance according EN12900

tc: Condensing temperature at dew point



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R448A** 

Cond. temp. in	Evaporating temperature in °C (to)									
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10	
Cooling capacity	/ in W	_	ı	1	ı	ı	1	1	1	
10	1 965	2 470	3 075	3 797	4 650	-	-	-	-	
20	1 766	2 255	2 834	3 519	4 324	5 264	6 355	-	-	
30	-	-	2 544	3 180	3 926	4 796	5 805	6 969	8 303	
40	-	-	-	2 792	3 466	4 254	5 171	6 231	7 450	
50	-	-	-	-	2 955	3 650	4 463	5 408	6 501	
60	-	-	-	-	-	-	3 690	4 509	5 465	
Power input in V	v									
10	775	785	796	806	811	-	_	_	_	
20	955	956	965	980	996	1 009	1 018	_	-	
30	-	-	1 188	1 194	1 208	1 227	1 247	1 264	1 275	
40	_	_	-	1 496	1 497	1 508	1 527	1 549	1 573	
50	_	_	_	-	1 908	1 900	1 905	1 921	1 944	
60	_	-	_	-	-	-	2 429	2 426	2 436	
			1	1	1	1	1	-		
Current consum	ption in A	1	1	T	1	1		1	1	
10	2.51	2.50	2.50	2.49	2.48	-	-	-	-	
20	2.61	2.62	2.63	2.64	2.65	2.65	2.66	-	-	
30	-	-	2.81	2.83	2.85	2.86	2.88	2.89	2.91	
40	-	-	-	3.13	3.15	3.16	3.18	3.20	3.21	
50	-	-	-	-	3.61	3.62	3.63	3.64	3.65	
60	-	-	-	-	-	-	4.29	4.28	4.28	
Mass flow in kg/	h									
10 10	32	41	51	63	77	_	_	_	_	
20	31	40	50	62	77	94	115	_	_	
30	-	-	49	61	76	93	114	139	167	
40	<u>-</u>	-	-	59	73	91	112	136	165	
50	-	-	-	-	70	87	108	130	161	
60	_	_	_	_	-	-	102	126	155	
00		1	I		I	I	.02	0		
Coefficient of pe	rformance (C.C	D.P.)								
10	2.54	3.15	3.86	4.71	5.73	-	-	-	-	
20	1.85	2.36	2.94	3.59	4.34	5.22	6.24	-	-	
30	-	-	2.14	2.66	3.25	3.91	4.66	5.51	6.51	
40	-	-	-	1.87	2.32	2.82	3.39	4.02	4.74	
50	-	-	-	-	1.55	1.92	2.34	2.82	3.34	
60	-	-	-	-	-	-	1.52	1.86	2.24	

Nominal	performance	at to =	-10 °C	. tc = 45 °C

Cooling capacity	3 216	W
Power input	1 684	W
Current consumption	3.35	Α
Mass flow	72	kg/h
C.O.P.	1.91	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}\text{C}$  , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Superheat = 10 K

**R448A** 

Cond. temp. in	Evaporating temperature in °C (to)								
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacit	y in W		•	•					
10	1 974	2 482	3 093	3 821	4 680	-	-	-	-
20	1 751	2 241	2 823	3 512	4 323	5 270	6 367	-	-
30	1 503	1 962	2 504	3 142	3 893	4 772	5 792	6 965	8 303
40	-	-	2 147	2 723	3 402	4 200	5 132	6 211	7 450
50	-	-	-	2 266	2 862	3 567	4 398	5 371	6 501
60	-	-	-	-	2 282	2 882	3 601	4 456	5 465
Power input in \	N								
10	775	785	796	806	811	_	-	_	_
20	955	956	965	980	996	1 009	1 018	-	-
30	1 211	1 192	1 188	1 194	1 208	1 227	1 247	1 264	1 275
40	-	-	1 510	1 496	1 497	1 508	1 527	1 549	1 573
50	-	-	-	1 933	1 908	1 900	1 905	1 921	1 944
60	-	-	-	-	2 488	2 448	2 429	2 426	2 436
				•	1	- 1		•	
Current consum	ption in A								
10	2.51	2.50	2.50	2.49	2.48	-	-	-	-
20	2.61	2.62	2.63	2.64	2.65	2.65	2.66	-	-
30	2.78	2.80	2.81	2.83	2.85	2.86	2.88	2.89	2.91
40	-	-	3.12	3.13	3.15	3.16	3.18	3.20	3.21
50	-	-	-	3.61	3.61	3.62	3.63	3.64	3.65
60	-	-	-	-	4.31	4.30	4.29	4.28	4.28
Mass flow in kg	/h								
10	38	47	58	70	85	-	-	-	-
20	37	46	57	70	85	102	121	-	-
30	35	44	55	68	83	100	120	142	167
40	-	-	53	66	80	98	117	140	165
50	-	-	-	61	76	93	113	136	161
60	-	-	-	-	71	88	107	130	155
		<del></del>		<del></del>					
Coefficient of pe	erformance (C.C	D.P.)	1	1			·		1
10	2.55	3.16	3.88	4.74	5.77	-	-	-	-
20	1.83	2.34	2.92	3.58	4.34	5.22	6.26	-	-
30	1.24	1.65	2.11	2.63	3.22	3.89	4.65	5.51	6.51
40	-	-	1.42	1.82	2.27	2.78	3.36	4.01	4.74
50	-	-	-	1.17	1.50	1.88	2.31	2.80	3.34
60	-	-	-	-	0.92	1.18	1.48	1.84	2.24
									<u></u>
Nominal nerforn	nance at to = -1	0 °C, tc = 45 °C				Pressure switch	settinas		

ı	C.O.F.			
•				

Cooling capacity

Current consumption

Power input

Mass flow

to: Evaporating temperature at dew point tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

3 137

1 684

3.35

1.86

79

W

W

kg/h

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R448A** 

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
						•			
Cooling capacity	in W								
10	2 255	2 893	3 665	4 588	5 682	-	-	-	-
20	1 997	2 597	3 311	4 159	5 158	6 328	7 686		-
30	-	-	2 961	3 730	4 632	5 686	6 910	8 324	9 945
40	-	-	-	3 302	4 104	5 039	6 126	7 384	8 830
50	-	-	-	-	3 573	4 387	5 334	6 433	7 703
60	-	-	-	-	-	-	4 534	5 472	6 561
Power input in W	ı								
10	836	867	898	922	935	-	-	-	-
20	1 062	1 088	1 120	1 153	1 181	1 198	1 201	-	-
30	-	-	1 378	1 407	1 438	1 466	1 485	1 490	1 476
40	-	-	-	1 736	1 759	1 785	1 809	1 825	1 829
50	-	-	-	-	2 192	2 205	2 222	2 239	2 250
60	-	-	-	-	-	-	2 776	2 781	2 787
Current consum	ption in A								
10	2.22	2.24	2.27	2.29	2.30	-	-	-	-
20	2.42	2.43	2.46	2.49	2.52	2.53	2.53		-
30	-	-	2.68	2.70	2.73	2.77	2.79	2.80	2.78
40	-	-	-	3.02	3.04	3.07	3.10	3.13	3.15
50	-	-	-	-	3.51	3.52	3.55	3.58	3.62
60	-	-	-	-	-	-	4.22	4.24	4.27
Mass flow in kg/l	h								
10	37	48	60	76	94	-	-	-	-
20	35	46	59	74	92	114	139	-	-
30	-	-	57	72	89	111	136	165	200
40	-	-	-	69	87	108	132	161	195
50	-	-	-	-	84	105	129	157	191
60	-	-	-	-	-	-	125	153	186
Coefficient of pe	rformance (C.C	D.P.)							
10	2.70	3.34	4.08	4.97	6.08	-	-	-	-
20	1.88	2.39	2.96	3.61	4.37	5.28	6.40	-	-
30	-	-	2.15	2.65	3.22	3.88	4.65	5.59	6.74
40	-	-	-	1.90	2.33	2.82	3.39	4.05	4.83
50	-	-	-	-	1.63	1.99	2.40	2.87	3.42
60	-	_	_	-	-	-	1.63	1.97	2.35

Nominal	performance	at to =	-10 °C	. tc = 45 °C

Cooling capacity	3 839	W
Power input	1 958	W
Current consumption	3.25	Α
Mass flow	85	kg/h
C.O.P.	1.96	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}\text{C}$  , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Superheat = 10 K

**R448A** 

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacit	y in W			•					
10	2 264	2 907	3 685	4 616	5 718	-	-	-	-
20	1 980	2 580	3 297	4 150	5 157	6 335	7 701	-	-
30	1 706	2 260	2 914	3 685	4 594	5 657	6 894	8 319	9 945
40	-	-	2 533	3 221	4 028	4 975	6 080	7 360	8 830
50	-	-	-	2 756	3 460	4 287	5 257	6 390	7 703
60	-	-	-	-	2 886	3 591	4 424	5 407	6 561
Power input in V	v								
10	836	867	898	922	935	-	_	_	_
20	1 062	1 088	1 120	1 153	1 181	1 198	1 201	_	-
30	1 347	1 357	1 378	1 407	1 438	1 466	1 485	1 490	1 476
40	-	-	1 722	1 736	1 759	1 785	1 809	1 825	1 829
50	-	-	-	2 190	2 192	2 205	2 222	2 239	2 250
60	-	-	-	-	2 789	2 777	2 776	2 781	2 787
				•	1	•	•	•	
Current consum	ption in A								
10	2.22	2.24	2.27	2.29	2.30	-	-	-	-
20	2.42	2.43	2.46	2.49	2.52	2.53	2.53		-
30	2.69	2.67	2.68	2.70	2.73	2.77	2.79	2.80	2.78
40	-	-	3.02	3.02	3.04	3.07	3.10	3.13	3.15
50	-	-	-	3.53	3.51	3.52	3.55	3.58	3.62
60	-	-	-	-	4.25	4.22	4.22	4.24	4.27
Mass flow in kg	h								
10	43	55	69	85	104	-	-	-	-
20	41	53	67	83	101	122	147	-	-
30	39	51	65	80	98	119	143	170	200
40	-	-	62	78	95	116	139	166	195
50	-	-	-	75	92	112	135	161	191
60	-	-	-	-	89	109	132	157	186
		<del></del>		<del></del>		<del></del>		<del></del>	
Coefficient of pe	erformance (C.C	D.P.)	T	1	•	_	•	1	1
10	2.71	3.35	4.10	5.01	6.11	-	-		-
20	1.86	2.37	2.94	3.60	4.37	5.29	6.41	-	-
30	1.27	1.67	2.11	2.62	3.19	3.86	4.64	5.58	6.74
40	-	-	1.47	1.85	2.29	2.79	3.36	4.03	4.83
50	-	-	-	1.26	1.58	1.94	2.37	2.85	3.42
60	-	-	-	-	1.03	1.29	1.59	1.94	2.35
									<u></u>
Nominal perform	nance at to = -1	0 °C, tc = 45 °C				Pressure switch	settings		

C.O.F.			

Cooling capacity

Current consumption

Power input

Mass flow

to: Evaporating temperature at dew point tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

3 744

1 958

3.25

1.91

94

W

W

kg/h

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R449A** 

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	/ in W	_	ı	1	ı	ı	1	1	1
10	1 965	2 470	3 075	3 797	4 650	-	-	-	-
20	1 766	2 255	2 834	3 519	4 324	5 264	6 355	-	-
30	-	-	2 544	3 180	3 926	4 796	5 805	6 969	8 303
40	-	-	-	2 792	3 466	4 254	5 171	6 231	7 450
50	-	-	-	-	2 955	3 650	4 463	5 408	6 501
60	-	-	-	-	-	-	3 690	4 509	5 465
Power input in V	v								
10	775	785	796	806	811	-	_	_	_
20	955	956	965	980	996	1 009	1 018	_	-
30	-	-	1 188	1 194	1 208	1 227	1 247	1 264	1 275
40	_	_	-	1 496	1 497	1 508	1 527	1 549	1 573
50	_	_	_	-	1 908	1 900	1 905	1 921	1 944
60	_	-	_	-	-	-	2 429	2 426	2 436
			1	1	1	1	1		
Current consum	ption in A	1	1	T	1	1		1	1
10	2.51	2.50	2.50	2.49	2.48	-	-	-	-
20	2.61	2.62	2.63	2.64	2.65	2.65	2.66	-	-
30	-	-	2.81	2.83	2.85	2.86	2.88	2.89	2.91
40	-	-	-	3.13	3.15	3.16	3.18	3.20	3.21
50	-	-	-	-	3.61	3.62	3.63	3.64	3.65
60	-	-	-	-	-	-	4.29	4.28	4.28
Mass flow in kg/	h								
10 10	32	41	51	63	77	_	_	_	_
20	31	40	50	62	77	94	115	_	_
30	-	-	49	61	76	93	114	139	167
40	<u>-</u>	-	-	59	73	91	112	136	165
50	-	-	-	-	70	87	108	130	161
60	_	_	_	_	-	-	102	126	155
00		1	I		I	I	.02	.20	
Coefficient of pe	rformance (C.C	D.P.)							
10	2.54	3.15	3.86	4.71	5.73	-	-	-	-
20	1.85	2.36	2.94	3.59	4.34	5.22	6.24	-	-
30	-	-	2.14	2.66	3.25	3.91	4.66	5.51	6.51
40	-	-	-	1.87	2.32	2.82	3.39	4.02	4.74
50	-	-	-	-	1.55	1.92	2.34	2.82	3.34
60	-	-	-	-	-	-	1.52	1.86	2.24

Nominal	performance	at to =	-10 °C	. tc = 45 °C

Cooling capacity	3 216	W
Power input	1 684	W
Current consumption	3.35	Α
Mass flow	72	kg/h
C.O.P.	1.91	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}\text{C}$  , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Superheat = 10 K

**R449A** 

Cond. temp. in		Evaporating temperature in °C (to)									
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10		
Cooling capacity	in W	ı	1	ı	•	ı	1	1	1		
10	1 969	2 477	3 088	3 816	4 676	-	-	-	-		
20	1 746	2 236	2 817	3 507	4 318	5 266	6 364	-	-		
30	1 498	1 957	2 498	3 137	3 888	4 767	5 788	6 963	8 303		
40	-	-	2 141	2 717	3 397	4 195	5 128	6 209	7 450		
50	-	-	-	2 260	2 856	3 561	4 394	5 369	6 501		
60	-	-	-	-	2 277	2 877	3 597	4 453	5 465		
Power input in V	ı										
10	775	785	796	806	811	-	_	-	_		
20	955	956	965	980	996	1 009	1 018	-	-		
30	1 211	1 192	1 188	1 194	1 208	1 227	1 247	1 264	1 275		
40	-	-	1 510	1 496	1 497	1 508	1 527	1 549	1 573		
50	-	-	-	1 933	1 908	1 900	1 905	1 921	1 944		
60	-	-	-	-	2 488	2 448	2 429	2 426	2 436		
		I	1	I			1				
Current consum	ption in A	1	T	1	_	1		T	1		
10	2.51	2.50	2.50	2.49	2.48	-	-	-	-		
20	2.61	2.62	2.63	2.64	2.65	2.65	2.66		-		
30	2.78	2.80	2.81	2.83	2.85	2.86	2.88	2.89	2.91		
40	-	-	3.12	3.13	3.15	3.16	3.18	3.20	3.21		
50	-	-	-	3.61	3.61	3.62	3.63	3.64	3.65		
60	-	-	-	-	4.31	4.30	4.29	4.28	4.28		
Mass flow in kg/	h										
10	38	47	58	70	85	-	-	-	-		
20	37	46	57	70	85	102	121	-	-		
30	35	44	55	68	83	100	120	142	167		
40	-	-	53	66	80	98	117	140	165		
50	-	-	-	61	76	93	113	136	161		
60	-	-	-	-	71	88	107	130	155		
			1					ı			
Coefficient of pe	rformance (C.C	D.P.)									
10	2.54	3.16	3.88	4.73	5.76	-	-	-	-		
20	1.83	2.34	2.92	3.58	4.34	5.22	6.25	-	-		
30	1.24	1.64	2.10	2.63	3.22	3.88	4.64	5.51	6.51		
40	-	-	1.42	1.82	2.27	2.78	3.36	4.01	4.74		
50	-	-	-	1.17	1.50	1.87	2.31	2.79	3.34		
60	_	-	_	-	0.91	1.18	1.48	1.84	2.24		

to: Evaporating	tamparatura	at	dow	noin

Cooling capacity

Current consumption Mass flow

Power input

C.O.P.

Nominal performance at to = -10 °C, tc = 45 °C

3 132

1 684

3.35

1.86

79

W

W

kg/h

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R449A** 

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	in W								
10	2 255	2 893	3 665	4 588	5 682	-	-	-	-
20	1 997	2 597	3 311	4 159	5 158	6 328	7 686	-	-
30	-	-	2 961	3 730	4 632	5 686	6 910	8 324	9 945
40	-	-	-	3 302	4 104	5 039	6 126	7 384	8 830
50	-	-	-	-	3 573	4 387	5 334	6 433	7 703
60	-	-	-	-	-	-	4 534	5 472	6 561
Power input in W	<u> </u>								
10	836	867	898	922	935	-	-	-	-
20	1 062	1 088	1 120	1 153	1 181	1 198	1 201	-	-
30	-	-	1 378	1 407	1 438	1 466	1 485	1 490	1 476
40	-	-	-	1 736	1 759	1 785	1 809	1 825	1 829
50	-	-	-	-	2 192	2 205	2 222	2 239	2 250
60	-	-	-	-	-	-	2 776	2 781	2 787
Current consum	ption in A								
10	2.22	2.24	2.27	2.29	2.30	-	-	-	-
20	2.42	2.43	2.46	2.49	2.52	2.53	2.53	-	-
30	-	-	2.68	2.70	2.73	2.77	2.79	2.80	2.78
40	-	-	-	3.02	3.04	3.07	3.10	3.13	3.15
50	-	-	-	-	3.51	3.52	3.55	3.58	3.62
60	-	-	-	-	-	-	4.22	4.24	4.27
Mass flow in kg/l	n								
10	37	48	61	77	96	-	-	-	-
20	36	47	59	75	93	116	142	-	-
30	-	-	58	73	91	113	138	169	204
40	-	-	-	71	88	110	135	165	199
50	-	-	-	-	86	107	131	161	195
60	-	-	-	-	-	-	128	156	190
Coefficient of pe	rformance (C.C	).P.)							
10	2.70	3.34	4.08	4.97	6.08	-	-	-	-
20	1.88	2.39	2.96	3.61	4.37	5.28	6.40	-	-
30	-	-	2.15	2.65	3.22	3.88	4.65	5.59	6.74
40	-	-	-	1.90	2.33	2.82	3.39	4.05	4.83
50	-	-	-	-	1.63	1.99	2.40	2.87	3.42
60	-	-	-	-	-	-	1.63	1.97	2.35

Nominal	performance	at to =	-10 °C	. tc = 45 °C

Cooling capacity	3 839	W
Power input	1 958	W
Current consumption	3.25	Α
Mass flow	87	kg/h
C.O.P.	1.96	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}\text{C}$  , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Superheat = 10 K

**R449A** 

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	in W	•		•					
10	2 259	2 902	3 680	4 611	5 713	-	-	-	-
20	1 975	2 575	3 292	4 144	5 151	6 330	7 697	-	-
30	1 700	2 254	2 908	3 679	4 587	5 652	6 890	8 316	9 945
40	-	-	2 527	3 214	4 022	4 969	6 075	7 357	8 830
50	-	-	-	2 749	3 453	4 280	5 252	6 387	7 703
60	-	-	-	-	2 879	3 584	4 419	5 404	6 561
Power input in W	ı								
10	836	867	898	922	935	_	_	_	_
20	1 062	1 088	1 120	1 153	1 181	1 198	1 201	-	-
30	1 347	1 357	1 378	1 407	1 438	1 466	1 485	1 490	1 476
40	-	-	1 722	1 736	1 759	1 785	1 809	1 825	1 829
50	-	-	-	2 190	2 192	2 205	2 222	2 239	2 250
60	-	-	-	-	2 789	2 777	2 776	2 781	2 787
		1	1	1		· I			
Current consum	ption in A								
10	2.22	2.24	2.27	2.29	2.30	-	-	-	-
20	2.42	2.43	2.46	2.49	2.52	2.53	2.53	-	-
30	2.69	2.67	2.68	2.70	2.73	2.77	2.79	2.80	2.78
40	-	-	3.02	3.02	3.04	3.07	3.10	3.13	3.15
50	-	-	-	3.53	3.51	3.52	3.55	3.58	3.62
60	-	-	-	-	4.25	4.22	4.22	4.24	4.27
Mass flow in kg/l	n	T	1	_	,	T	1		
10	44	56	70	86	105	-	-	-	-
20	42	54	68	84	103	124	149	-	-
30	40	52	66	81	100	121	146	173	204
40	-	-	63	79	97	118	142	169	199
50	-	-	-	76	94	115	138	165	195
60	-	-	-	-	91	111	135	161	190
Coefficient of pe	rformance (C.(	) P )							
10	2.70	3.35	4.10	5.00	6.11	_	_	_	-
20	1.86	2.37	2.94	3.59	4.36	5.28	6.41	_	-
30	1.26	1.66	2.11	2.61	3.19	3.86	4.64	5.58	6.74
40	-	-	1.47	1.85	2.29	2.78	3.36	4.03	4.83
50	_	_	-	1.26	1.57	1.94	2.36	2.85	3.42
60	<u>-</u>	-	-	-	1.03	1.29	1.59	1.94	2.35
				1	1.00	1.20	1.00	1.07	2.00
Nominal perform	ance at to = -1	0 °C. tc = 45 °C				Pressure switch	settinas		
		,			F				

Mass flow		
C.O.P.		

Cooling capacity

Current consumption

Power input

to: Evaporating temperature at dew point tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

3 738

1 958

3.25

1.91

96

W

W

kg/h

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R452A** 

Cond. temp. in		Evaporating temperature in °C (to)								
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10	
Cooling capacity		1	,	T		1	1	ı	1	
10	2 171	2 716	3 381	4 182	5 130	-	-	-	-	
20	1 941	2 447	3 057	3 785	4 645	5 650	6 816	-	-	
30	-	2 185	2 732	3 380	4 144	5 036	6 072	7 265	8 629	
40	-	-	2 403	2 964	3 624	4 397	5 296	6 335	7 529	
50	-	-	-	-	3 083	3 729	4 484	5 362	6 379	
60	-	-	-	-	-	3 028	3 633	4 344	5 176	
Power input in V	V									
10	795	815	828	832	829	-		_	-	
20	946	974	995	1 009	1 015	1 012	1 002	-	-	
30	-	1 181	1 209	1 230	1 242	1 248	1 245	1 234	1 215	
40	-	-	1 488	1 513	1 532	1 542	1 545	1 540	1 527	
50	-	-	-	-	1 900	1 915	1 922	1 921	1 912	
60	-	-	-	-	-	2 384	2 393	2 395	2 389	
<b></b>		•	•	1.0	1.		•	•	•	
Current consum	ption in A						1			
10	2.42	2.44	2.45	2.46	2.47	-	-	-	-	
20	2.56	2.59	2.61	2.62	2.63	2.63	2.62	-	-	
30	-	2.77	2.80	2.82	2.83	2.84	2.84	2.82	2.81	
40	-	-	3.07	3.10	3.12	3.14	3.14	3.14	3.12	
50	-	-	-	-	3.54	3.56	3.58	3.58	3.57	
60	-	-	-	-	-	4.15	4.18	4.19	4.20	
Mass flow in kg/	h									
10	44	55	69	86	106	-	_	_	_	
20	43	54	68	84	104	128	156	_	_	
30	-	53	67	83	102	125	153	185	223	
40	_	-	65	81	100	122	149	181	218	
50		-	-	-	97	119	145	176	213	
60	-	-	_	-	-	115	141	171	207	
		1	1	1	L	1	1	1	1	
Coefficient of pe	erformance (C.C	D.P.)								
10	2.73	3.33	4.09	5.02	6.19	-	-	-	-	
20	2.05	2.51	3.07	3.75	4.58	5.58	6.80	-	-	
30	-	1.85	2.26	2.75	3.34	4.04	4.88	5.89	7.10	
40	-	-	1.61	1.96	2.37	2.85	3.43	4.11	4.93	
50	-	-	-	-	1.62	1.95	2.33	2.79	3.34	
60	-	-	-	-	-	1.27	1.52	1.81	2.17	

Nominal	performance	at to =	-10 °C	. tc = 45 °C

Cooling capacity	3 357	W
Power input	1 705	W
Current consumption	3.31	Α
Mass flow	98	kg/h
C.O.P.	1.97	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}\text{C}$  , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Superheat = 10 K

**R452A** 

Cond. temp. in		Evaporating temperature in °C (to)								
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10	
Cooling capacity	y in W									
10	2 101	2 644	3 311	4 117	5 076	-	-		-	
20	1 843	2 342	2 950	3 681	4 551	5 574	6 763	-	-	
30	1 598	2 047	2 589	3 238	4 011	4 922	5 987	7 220	8 629	
40	1 361	1 754	2 223	2 783	3 452	4 246	5 180	6 269	7 529	
50	-	-	1 847	2 313	2 872	3 540	4 336	5 276	6 379	
60	-	-	-	-	2 261	2 798	3 449	4 235	5 176	
Power input in V	v									
10	795	815	828	832	829	-	-	-	-	
20	946	974	995	1 009	1 015	1 012	1 002	-	-	
30	1 146	1 181	1 209	1 230	1 242	1 248	1 245	1 234	1 215	
40	1 414	1 455	1 488	1 513	1 532	1 542	1 545	1 540	1 527	
50	-	-	1 849	1 878	1 900	1 915	1 922	1 921	1 912	
60	-	-	-	-	2 367	2 384	2 393	2 395	2 389	
Current consum	-	1			T	T-	T-	T	1	
10	2.42	2.44	2.45	2.46	2.47	-	-	-	-	
20	2.56	2.59	2.61	2.62	2.63	2.63	2.62	-	-	
30	2.73	2.77	2.80	2.82	2.83	2.84	2.84	2.82	2.81	
40	2.98	3.03	3.07	3.10	3.12	3.14	3.14	3.14	3.12	
50	-	-	3.45	3.50	3.54	3.56	3.58	3.58	3.57	
60	-	-	-	-	4.11	4.15	4.18	4.19	4.20	
Mass flow in kg/	h									
10	52	65	79	97	117	-	-	-	-	
20	51	63	78	95	115	138	164	-	-	
30	50	62	76	93	112	135	161	190	223	
40	49	61	74	91	110	132	157	186	218	
50	-	-	73	88	107	128	153	181	213	
60	-	-	-	-	103	124	148	176	207	
Coefficient of pe	erformance (C.O	).P.)								
10	2.64	3.24	4.00	4.95	6.12	-	-	-	-	
20	1.95	2.40	2.96	3.65	4.49	5.51	6.75	-	-	
30	1.39	1.73	2.14	2.63	3.23	3.95	4.81	5.85	7.10	
40	0.96	1.21	1.49	1.84	2.25	2.75	3.35	4.07	4.93	
t to the second	-	-	1.00	1.23	1.51	1.85	2.26	2.75	3.34	
50										

Cooling capacity	3 100	VV
Power input	1 705	W
Current consumption	3.31	Α
Mass flow	108	kg/h
C.O.P.	1.86	

to: Evaporating temperature at dew point

Nominal performance at to = -10 °C, tc = 45 °C

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R452A** 

Cond. temp. in		Evaporating temperature in °C (to)								
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10	
Cooling capacity	/ in W	1	•	•	•	1	•	•	•	
10	2 614	3 273	4 077	5 042	6 183	-	-	-	-	
20	2 343	2 956	3 696	4 579	5 621	6 837	8 243	-	-	
30	-	2 648	3 311	4 099	5 028	6 113	7 371	8 817	10 466	
40	-	-	2 925	3 605	4 407	5 349	6 444	7 711	9 163	
50	-	-	-	-	3 762	4 546	5 467	6 540	7 782	
60	-	-	-	-	-	3 710	4 442	5 309	6 328	
Power input in V	v									
10	956	989	1 009	1 020	1 022	_	_	_	_	
20	1 136	1 182	1 215	1 236	1 246	1 248	1 243	-	-	
30	-	1 424	1 468	1 499	1 517	1 525	1 523	1 515	1 501	
40	-	-	1 788	1 827	1 852	1 865	1 867	1 860	1 845	
50	_	_	-	_	2 271	2 288	2 292	2 285	2 269	
60	-	-	-	-	-	2 812	2 818	2 810	2 792	
•			•	•	1.0		1.	•		
Current consum	ption in A								•	
10	2.41	2.38	2.36	2.36	2.36	-	-	-	-	
20	2.53	2.53	2.53	2.54	2.54	2.55	2.56	-	-	
30	-	2.72	2.75	2.78	2.80	2.81	2.81	2.80	2.79	
40	-	-	3.04	3.10	3.14	3.16	3.17	3.15	3.12	
50	-	-	-	-	3.57	3.62	3.64	3.63	3.59	
60	-	-	-	-	-	4.19	4.23	4.24	4.21	
Mass flam in land	L									
Mass flow in kg/	n 53	67	84	104	128	_	_	_	_	
20	51	66	82	102	126	155	188		_	
30	-	64	81	102	124	152	185	225	271	
40	<u>-</u>	-	79	98	121	149	181	220	266	
50		_	-	-	118	145	177	215	259	
60	<u>-</u>	-	-	-	-	141	172	209	253	
00			L	L	II		2	200	200	
Coefficient of pe	erformance (C.C	D.P.)								
10	2.73	3.31	4.04	4.94	6.05	-	-	-	-	
20	2.06	2.50	3.04	3.71	4.51	5.48	6.63	-	-	
30	-	1.86	2.25	2.73	3.31	4.01	4.84	5.82	6.97	
40	-	-	1.64	1.97	2.38	2.87	3.45	4.15	4.97	
50	-	-	-	-	1.66	1.99	2.39	2.86	3.43	
60	-	-	-	-	-	1.32	1.58	1.89	2.27	

Nominal	performance	at to =	-10 °C	. tc = 45 °C

Cooling capacity	4 088	W
Power input	2 050	W
Current consumption	3.34	Α
Mass flow	120	kg/h
C.O.P.	1.99	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20  $^{\circ}\text{C}$  , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Superheat = 10 K

**R452A** 

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	in W	•		•					
10	2 530	3 186	3 992	4 963	6 118	-	-	-	-
20	2 223	2 829	3 567	4 454	5 508	6 745	8 180	-	-
30	1 939	2 481	3 137	3 927	4 867	5 975	7 269	8 762	10 466
40	1 676	2 142	2 706	3 385	4 198	5 165	6 303	7 631	9 163
50	-	-	2 272	2 829	3 504	4 316	5 286	6 435	7 782
60	-	-	-	-	2 782	3 428	4 218	5 176	6 328
Power input in W	ı								
10	956	989	1 009	1 020	1 022	_	_	_	_
20	1 136	1 182	1 215	1 236	1 246	1 248	1 243	-	-
30	1 364	1 424	1 468	1 499	1 517	1 525	1 523	1 515	1 501
40	1 661	1 734	1 788	1 827	1 852	1 865	1 867	1 860	1 845
50	-	-	2 194	2 240	2 271	2 288	2 292	2 285	2 269
60	-	-	-	-	2 792	2 812	2 818	2 810	2 792
1				•	1		•	•	
Current consum	ption in A								
10	2.41	2.38	2.36	2.36	2.36	-	-	-	-
20	2.53	2.53	2.53	2.54	2.54	2.55	2.56	-	-
30	2.69	2.72	2.75	2.78	2.80	2.81	2.81	2.80	2.79
40	2.88	2.97	3.04	3.10	3.14	3.16	3.17	3.15	3.12
50	-	-	3.40	3.50	3.57	3.62	3.64	3.63	3.59
60	-	-	-	-	4.11	4.19	4.23	4.24	4.21
Mass flow in kg/l	h	1	1	_	•	•	•	•	
10	62	78	96	116	141	-	-	-	-
20	61	76	94	115	139	167	199	-	-
30	60	75	92	113	136	164	195	231	271
40	60	74	91	110	133	160	191	226	266
50	-	-	89	108	130	156	186	221	259
60	-	-	-	-	127	152	181	215	253
Coefficient of pe	,	1	2.05	4.07	5.00		T	T	
10	2.65	3.22	3.95	4.87	5.99		-	-	-
20	1.96	2.39	2.94	3.60	4.42	5.40	6.58		-
30	1.42	1.74	2.14	2.62	3.21	3.92	4.77	5.78	6.97
40	1.01	1.24	1.51	1.85	2.27	2.77	3.38	4.10	4.97
50	-	-	1.04	1.26	1.54	1.89	2.31	2.82	3.43
60	-	-	-	-	1.00	1.22	1.50	1.84	2.27
Nominal perform	ance at to = 1	0°C tc = 45°C				Pressure switch	eattings		
Tominal periorii	unce at to = -1	0 0,10 - 40 0			Г	i iossuic switch	Jetanya		

to: Evaporating	tamparatura	at	dow	noin

Cooling capacity

Current consumption

Power input

Mass flow

C.O.P.

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

3 854

2 050

3.34

132

1.88

W

W

kg/h

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

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



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R513A** 

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-15	-10	-5	0	5	10	15	18	
	. i 10/								
200ling capacity	2 489	3 051	3 733	_	_	_	_		_
		2 799	1	+		-		<del> </del>	
20	2 274		3 431	4 183	5 065	_	-	-	
30	2 047	2 530	3 107	3 790	4 591	5 521	-	-	-
40	-	2 248	2 764	3 373	4 087	4 917	5 874	6 514	-
50	-	-	2 405	2 935	3 556	4 280	5 119	5 681	-
60	-	-	-	2 479	3 002	3 615	4 329	4 811	-
70	-	-	-	2 008	2 427	2 924	3 508	3 906	-
73	-	-	-	-	2 252	2 712	3 256	3 628	-
Power input in W	ı								
10	535	540	544	-	-	-	-	-	-
20	666	674	676	676	676	-	-	-	-
30	808	824	829	829	824	817	-	-	-
40	-	995	1 009	1 013	1 008	997	984	975	-
50	-	-	1 222	1 234	1 234	1 224	1 207	1 195	-
60	-	-	-	1 499	1 508	1 504	1 488	1 474	-
70	-	-	-	1 812	1 836	1 842	1 833	1 821	-
73	-	-	-	-	1 946	1 956	1 950	1 939	-
•		•	•	•	•	•	•		
Current consum	ption in A	1	1	_	1	1	1		
10	2.28	2.28	2.28	-	-	-	-	-	-
20	2.36	2.37	2.37	2.37	2.37	-	-	-	-
30	2.45	2.46	2.47	2.48	2.48	2.47	-	-	-
40	-	2.59	2.61	2.62	2.62	2.61	2.59	2.57	-
50	-	-	2.80	2.82	2.82	2.81	2.79	2.76	-
60	-	-	-	3.09	3.10	3.09	3.07	3.04	-
70	-	-	-	3.44	3.47	3.47	3.45	3.42	-
73	-	-	-	-	3.60	3.61	3.58	3.56	-
Mass flow in kg/l				1	1	1	1	1	
10	48	59	72	-	-	-	-	-	-
20	47	58	72	88	107	-	-	-	-
30	46	58	71	87	106	128	-	-	-
40	-	56	70	85	104	126	152	170	-
50	-	-	68	83	102	124	150	167	-
60	-	-	-	81	99	121	146	164	
70	-	-	-	79	96	118	143	160	-
73	-	-	-	-	96	116	141	158	-
Coefficient of pe	rformance (C.C	).P.)							
10	4.65	5.65	6.86	-	-	-	-	-	-
20	3.41	4.15	5.07	6.19	7.49	-	-	-	-
30	2.53	3.07	3.75	4.57	5.57	6.75	-	-	-
40	-	2.26	2.74	3.33	4.06	4.93	5.97	6.68	-
50	-	-	1.97	2.38	2.88	3.50	4.24	4.76	-
60	-	-	-	1.65	1.99	2.40	2.91	3.26	-
70	-	-	-	1.11	1.32	1.59	1.91	2.14	_
73		-	-	-	1.16	1.39	1.67	1.87	_

#### Nominal performance at to = -10 °C, tc = 45 °C

	,			
Cooling capacity		2 102	W	
Power input		1 091	W	
Current consumption		2.67	Α	
Mass flow		56	kg/h	
C.O.P.		1.93		

to: Evaporating temperature at dew point

Rating conditions : Suction gas temp. = 20 °C , Subcooling = 0 K

#### Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

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

Tolerance according EN12900

tc: Condensing temperature at dew point



Scroll compressor. MLZ015T4

### Performance data at 50 Hz, EN 12900 rating conditions, Superheat = 10 K

**R513A** 

Cond. temp. in	Evaporating temperature in °C (to)								
°C (tc)	-15	-10	-5	0	5	10	15	18	
Saaling aanaaitu	in M								
Cooling capacity	2 442	3 008	3 697	_	_	_	_	-	
20	2 208	2 737	3 378	4 143	5 044	-		-	
30	1 963	2 450	3 036	3 736		_		-	
40	1 710	2 149	2 676	3 304	4 560 4 047	5 521 4 917	5 924	6 597	
	1 7 10	1	1	+				1	
50 60		1 838	2 300 1 911	2 851 2 381	3 507 2 944	4 280	5 183 4 408	5 791 4 948	-
	-				ł	3 615	ł	<del> </del>	-
70 73	-	-	-	1 895 1 747	2 360	2 924	3 602	4 071	-
73	-	-	-	1747	2 182	2 712	3 355	3 802	
Power input in W	ı								
10	535	540	544	-	-	-	-	-	-
20	666	674	676	676	676	-	-	-	-
30	808	824	829	829	824	817	-	-	-
40	967	995	1 009	1 013	1 008	997	984	975	-
50	-	1 194	1 222	1 234	1 234	1 224	1 207	1 195	-
60	-	-	1 472	1 499	1 508	1 504	1 488	1 474	-
70	-	-	-	1 812	1 836	1 842	1 833	1 821	-
73	-	-	-	1 916	1 946	1 956	1 950	1 939	-
10	2.28	2.28	2.28	_	_	_	_	_	
20	2.36	2.37	2.37	2.37	2.37	-		-	
30	2.45	2.46	2.47	2.48	2.48	2.47		_	
40	2.57	2.59	2.61	2.62	2.62	2.61	2.59	2.57	_
50	-	2.77	2.80	2.82	2.82	2.81	2.79	2.76	
60		-	3.06	3.09	3.10	3.09	3.07	3.04	
70		_	-	3.44	3.47	3.47	3.45	3.42	
73		_	_	3.57	3.60	3.61	3.58	3.56	
70		_	_	0.07	0.00	0.01	0.00	0.50	
Mass flow in kg/l	n								
10	53	64	77	-	-	-	-	-	-
20	52	63	76	92	109	-	-	-	-
30	51	62	75	91	108	128	-	-	-
40	50	61	74	89	106	126	149	163	-
50	-	60	72	87	104	124	146	161	-
60	-	-	70	85	102	121	143	158	-
70	-	-	-	82	99	118	139	154	-
73	-	-	-	81	98	116	138	152	-
Coefficient of pe	rformance (C.C	).P.)							
10	4.56	5.57	6.79	-	-	-	-	-	-
20	3.31	4.06	5.00	6.13	7.46	-	-	-	-
30	2.43	2.97	3.66	4.51	5.54	6.75	-	-	-
40	1.77	2.16	2.65	3.26	4.02	4.93	6.02	6.76	-
50	-	1.54	1.88	2.31	2.84	3.50	4.29	4.85	-
60	-	-	1.30	1.59	1.95	2.40	2.96	3.36	-
70	-	-	-	1.05	1.29	1.59	1.97	2.24	-
73	-	-	_	0.91	1.12	1.39	1.72	1.96	

#### Nominal performance at to = -10 °C, tc = 45 °C

	-,	
Cooling capacity	1 994	W
Power input	1 091	W
Current consumption	2.67	Α
Mass flow	61	kg/h
C.O.P.	1.83	

to: Evaporating temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

#### Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

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

Tolerance according EN12900

tc: Condensing temperature at dew point



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

**R513A** 

Cond. temp. in				Evapora	iting temperature	in °C (to)			
°C (tc)	-15	-10	-5	0	5	10	15	18	
			•	•		•			
Cooling capacit	y in W								
10	2 957	3 618	4 424	-	-	-	-	-	-
20	2 714	3 336	4 090	4 989	6 044	-	-	-	-
30	2 453	3 025	3 717	4 540	5 506	6 627	-	-	-
40	-	2 696	3 314	4 050	4 917	5 926	7 088	7 863	-
50	-	-	2 890	3 529	4 285	5 170	6 196	6 884	-
60	-	-	-	2 985	3 620	4 370	5 249	5 843	-
70	-	-	-	2 429	2 930	3 535	4 256	4 749	-
73	-	-	-	-	2 720	3 280	3 951	4 412	-
Power input in \				1	1	1			
10	671	665	662	-	-	-	-	-	-
20	828	831	828	825	829	-	-	-	-
30	991	1 011	1 017	1 014	1 008	1 007	-	-	-
40	-	1 210	1 233	1 238	1 232	1 222	1 212	1 210	
50	-	-	1 481	1 503	1 505	1 493	1 474	1 461	-
60	-	-	-	1 811	1 830	1 825	1 805	1 787	-
70	-	-	-	2 167	2 211	2 223	2 210	2 192	-
73	-	-	-	-	2 337	2 355	2 346	2 330	
<b>.</b>									
Current consum		0.40	2.20	1	T	1			
10	2.17	2.18	2.20	-	-	-	-	-	-
20	2.26	2.27	2.28	2.29	2.30	-	-	-	-
30	2.37	2.38	2.39	2.40	2.40	2.39	-	-	-
40	-	2.53	2.55	2.56	2.56	2.55	2.50	2.46	-
50	-	-	2.76	2.78	2.79	2.78	2.74	2.70	-
60	-	-	-	3.07	3.10	3.10	3.06	3.03	-
70	-	-	-	3.45	3.49	3.51	3.49	3.46	-
73	-	-	-	-	3.63	3.65	3.64	3.61	-
Mass flow in kg	/h								
10	57	70	86	-	_	_	_	-	
20	56	70	86	105	127	-	_	_	
30	55	69	85	104	127	154	_	-	_
40	-	68	83	102	125	152	184	205	
50	-	-	82	100	123	150	181	203	_
60	-	_	-	98	120	146	177	199	
70	-	-	_	95	116	142	173	194	
73	-	_	-	-	115	141	171	192	_
. •		1	1	1	. 10	1	1	.02	
Coefficient of pe	erformance (C.C	).P.)							
10	4.41	5.44	6.68	-	-	-	-	-	-
20	3.28	4.01	4.94	6.05	7.29	-	-	-	-
30	2.48	2.99	3.66	4.48	5.46	6.58	-	-	-
40	-	2.23	2.69	3.27	3.99	4.85	5.85	6.50	-
50	-	-	1.95	2.35	2.85	3.46	4.20	4.71	-
60	-	-	-	1.65	1.98	2.39	2.91	3.27	-
70	-	-	-	1.12	1.33	1.59	1.93	2.17	-
73	-	-	-	-	1.16	1.39	1.68	1.89	-

#### Nominal performance at to = -10 °C, tc = 45 °C

Cooling capacity	2 527	W	
Power input	1 318	W	
Current consumption	2.62	Α	
Mass flow	67	kg/h	
C.O.P.	1.92		

to: Evaporating temperature at dew point

Rating conditions : Suction gas temp. =  $20 \, ^{\circ}\text{C}$  , Subcooling =  $0 \, \text{K}$ 

# Pressure switch settings

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

# Sound power data

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

Tolerance according EN12900

tc: Condensing temperature at dew point



Scroll compressor. MLZ015T4

### Performance data at 60 Hz, EN 12900 rating conditions, Superheat = 10 K

**R513A** 

Cooling capacity in W	Cond. temp. in				Evapora	ting temperature	in °C (to)			
10	°C (tc)	-15	-10	-5	0	5	10	15	18	
10										
20			T		T	1	1	1	1	
30			1	1	†			+	1	-
40						1			-	-
Sol									+	-
60		2 062	1	1	1				<del> </del>	-
TO		-	2 216				1		7 017	-
Tower input in W   Tower input i		-	-	2 307	1				<del> </del>	-
		-	-	-	2 293	2 850			4 949	-
10	73	-	-	-	2 120	2 636	3 280	4 070	4 623	-
10	Power input in V	v								
20			665	662	_	_	_	_	_	-
30   991   1 011   1 017   1 014   1 008   1 007   -   -			1	1				_	1	
40				1	1		1 007	_	1	-
So								1	+	-
60										_
To					1					
Current consumption in A				1		1			1	
10					1				<del> </del>	
10	7.0		1	1	2 20 1	2 007	2 000	2010	2 000	
10	urrent consum	ption in A								
20			2.18	2.20	_	_	_	_	_	_
30			1	ł	2 29	2 30	_	_	_	-
40								1	+	-
50			1	1	1				1	_
60					1					
To   -   -   -     -										
Mass flow in kg/h				ł	1				<del> </del>	_
Mass flow in kg/h										_
10 63 76 91	70			ı	0.00	0.00	0.00	0.01	0.01	
10 63 76 91	/lass flow in kg/	'h								
20         62         76         91         109         130         -			76	91	_	_	_	_	_	-
30					1				+	-
40       60       73       89       107       128       152       179       197         50       -       72       87       105       125       150       177       195         60       -       -       85       102       122       146       173       191         70       -       -       -       100       119       142       169       186         73       -       -       -       99       118       141       167       185     Softient of performance (C.O.P.)  Softiellett of performa			1	1	1		1	1	1	_
50         -         72         87         105         125         150         177         195           60         -         -         85         102         122         146         173         191           70         -         -         -         100         119         142         169         186           73         -         -         -         99         118         141         167         185           Soefficient of performance (C.O.P.)           10         4.32         5.36         6.62         -<						1		ł	1	
60         -         -         85         102         122         146         173         191           70         -         -         -         100         119         142         169         186           73         -         -         -         99         118         141         167         185           Soefficient of performance (C.O.P.)           10         4.32         5.36         6.62         -			-	1		1			<del> </del>	_
70         -         -         -         100         119         142         169         186           73         -         -         -         99         118         141         167         185           Soefficient of performance (C.O.P.)           10         4.32         5.36         6.62         -										
73         -         -         99         118         141         167         185           Coefficient of performance (C.O.P.)           10         4.32         5.36         6.62         -					1					-
Coefficient of performance (C.O.P.)       10     4.32     5.36     6.62     -     -     -     -     -     -       20     3.18     3.93     4.86     5.99     7.26     -     -     -     -       30     2.37     2.90     3.57     4.41     5.42     6.58     -     -       40     1.77     2.13     2.60     3.20     3.95     4.85     5.90     6.58       50     -     1.55     1.87     2.28     2.81     3.46     4.26     4.80       60     -     -     1.31     1.58     1.94     2.39     2.96     3.36       70     -     -     -     1.06     1.29     1.59     1.98     2.26									<del> </del>	
10     4.32     5.36     6.62     -     -     -     -     -     -       20     3.18     3.93     4.86     5.99     7.26     -     -     -     -       30     2.37     2.90     3.57     4.41     5.42     6.58     -     -       40     1.77     2.13     2.60     3.20     3.95     4.85     5.90     6.58       50     -     1.55     1.87     2.28     2.81     3.46     4.26     4.80       60     -     -     1.31     1.58     1.94     2.39     2.96     3.36       70     -     -     1.06     1.29     1.59     1.98     2.26	75	<u> </u>			99	110	141	107	100	
20     3.18     3.93     4.86     5.99     7.26     -     -     -     -       30     2.37     2.90     3.57     4.41     5.42     6.58     -     -       40     1.77     2.13     2.60     3.20     3.95     4.85     5.90     6.58       50     -     1.55     1.87     2.28     2.81     3.46     4.26     4.80       60     -     -     1.31     1.58     1.94     2.39     2.96     3.36       70     -     -     1.06     1.29     1.59     1.98     2.26	-	•		0.00		1	T	I	<u> </u>	
30     2.37     2.90     3.57     4.41     5.42     6.58     -     -       40     1.77     2.13     2.60     3.20     3.95     4.85     5.90     6.58       50     -     1.55     1.87     2.28     2.81     3.46     4.26     4.80       60     -     -     1.31     1.58     1.94     2.39     2.96     3.36       70     -     -     1.06     1.29     1.59     1.98     2.26			1		1		1		1	-
40         1.77         2.13         2.60         3.20         3.95         4.85         5.90         6.58           50         -         1.55         1.87         2.28         2.81         3.46         4.26         4.80           60         -         -         1.31         1.58         1.94         2.39         2.96         3.36           70         -         -         1.06         1.29         1.59         1.98         2.26									1	-
50     -     1.55     1.87     2.28     2.81     3.46     4.26     4.80       60     -     -     1.31     1.58     1.94     2.39     2.96     3.36       70     -     -     1.06     1.29     1.59     1.98     2.26			1			1			1	-
60     -     -     1.31     1.58     1.94     2.39     2.96     3.36       70     -     -     -     1.06     1.29     1.59     1.98     2.26										-
70 1.06 1.29 1.59 1.98 2.26					1				<del> </del>	-
										-
73 0.93 1.13 1.39 1.73 1.98		-	<u> </u>	-			-		1	-
	73	-	-	-	0.93	1.13	1.39	1.73	1.98	-
	line consolit.		0.007	14/	1	Г	Massinasson LID assis	ala a a Mila a	20.7	h = =/=

Cooling capacity

Current consumption

Power input

Mass flow

C.O.P.

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Maximum HP switch setting	29.7	bar(g)
Minimum LP switch setting	1.4	bar(g)
LP pump down setting	2	bar(g)

#### Sound power data

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

Tolerance according EN12900

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W

W

kg/h

2 397

1 318

2.62

1.82

73

to: Evaporating temperature at dew point tc: Condensing temperature at dew point