

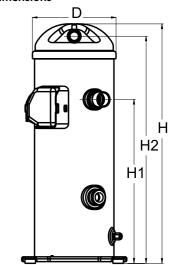


# <u>Danfoss</u>

## **General Characteristics**

Model number (on compressor nameplate)	MLZ066T2LC9	MLZ066T2LC9
Code number for Singlepack*	121U8054	120U8054
Code number for Industrial pack**	121U8053	120U8053
Drawing number	0SR6167B-3	0SR6167B-3
Suction and discharge connections	Brazed	Brazed
Suction connection	1-1/8 " ODF	1-1/8 " ODF
Discharge connection	7/8 " ODF	7/8 " 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	None	None
Swept volume	148.8 cm3/rev	
Displacement @ Nominal speed	25.9 m3/h @ 2900 rpm	- 31.3 m3/h @ 3500 rpm
Net weight	47 kg	
Oil charge	2.66 litre, PVE	
Maximum system test pressure Low Side / High side	- bar(g) / - bar(g)	
Maximum differential test pressure	- bar	
Maximum number of starts per hour	12	
Refrigerant charge limit	7.26	5 kg
Approved refrigerants	R404A, R507, R1	34a, R407C, R22

#### **Dimensions**



## **Electrical Characteristics**

Nominal voltage	208-230V/3/60Hz	
Voltage range	188-253 V	
Winding resistance between phases 1-2 +/- 7% at 25°C	0.319 Ω	
Winding resistance between phases 1-3 +/- 7% at 25°C	0.315 Ω	
Winding resistance between phases 2-3 +/- 7% at 25°C	0.327 Ω	
Rated Load Amps (RLA)	29.5 A	
Maximum Continuous Current (MCC)	46 A	
Locked Rotor Amps (LRA)	235 A	
Motor protection	Internal overload protector	

D=185 mm H=545 mm H1=369 mm H2=509 mm H3=- mm

## **Terminal box**



## **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	3 Nm / 2 Nm

## Parts shipped with compressor

Mounting kit with grommets and sleeves
Initial oil charge
Installation instructions

IP22 1:

3:

Screw connectors 10-32 UNF x 9.5

2: Earth connection

Power cable passage

Approvals: CE certified, UL certified (file SA11565), -

\*Singlepack: Compressor in cardboard box. 121U... optimised for Danfoss pallet, 120U... optimised for US pallet

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



## Datasheet, accessories and spare parts

IP54 upgrade kit

Spare parts

Terminal box cover

Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers

# Scroll compressor, MLZ066T2

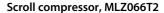
Rotolock accessories, suction side	Code no.	
Solder sleeve, P02 (1-3/4" Rotolock, 1-1/8" ODF)	8153004	
Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF)	8168028	
Gasket, 1-3/4"	8156132	
Rotolock accessories, discharge side	Code no.	
Rotolock valve, V05 (1-1/4" Rotolock, 7/8" ODF)	8168030	Solder sleeve adapter se
Gasket, 1-3/4"	8156132	
Rotolock accessories, sets	Code no.	op Opp
Solder sleeve adapter set (1-3/4" Rotolock, 1-1/8" ODF), (1-1/4" Rotolock, 7/8" ODF)	120Z0125	
Valve set, V02(1"3/4~1"1/8), V05(1"1/4~7/8")	120Z0403	1 2 3
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009	
Oil / lubricants	Code no.	1: Rotolock adapter (Suc & Dis)
PVE lubricant, 320HV (FVC68D), 1 litre can	120Z5034	2: Gasket (Suc & Dis)
		3: Solder sleeve (Suc & Dis)
Crankcase heaters	Code no.	4: Rotolock nut (Suc & Dis)
Belt type crankcase heater, 70 W, 230 V, UL	120Z5011	
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	120Z0059	
Miscellaneous accessories	Code no.	
Acoustic hood	120Z5045	
Discharge thermostat kit	7750009	

118U0057

Code no.

120Z5005

120Z5018



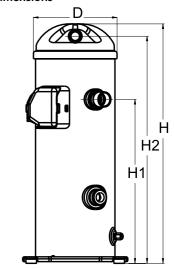


# Danfoss

# **General Characteristics**

Model number (on compressor nameplate)	MLZ066T2LC9A	MLZ066T2LC9A
Code number for Singlepack*	121U8685	121L8685
Code number for Industrial pack**	121U8684	121L8684
Drawing number	0SR6167B-3	0SR6167B-3
Suction and discharge connections	Brazed	Brazed
Suction connection	1-1/8 " ODF	1-1/8 " ODF
Discharge connection	7/8 " ODF	7/8 " 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	None	None
Swept volume	148.8 c	m3/rev
Displacement @ Nominal speed	25.9 m3/h @ 2900 rpm	- 31.3 m3/h @ 3500 rpm
Net weight	47	kg
Oil charge	2.66 litro	e, POE
Maximum system test pressure Low Side / High side	- bar(g) / - bar(g)	
Maximum differential test pressure	- bar	
Maximum number of starts per hour	1	2
Refrigerant charge limit	7.2	5 kg
Approved refrigerants	R404A,R507,R134a,R407A,R4	07F,R448A,R449A,R452A,R22

#### **Dimensions**



## **Electrical Characteristics**

Nominal voltage	208-230V/3/60Hz	
Voltage range	188-253 V	
Winding resistance between phases 1-2 +/- 7% at 25°C	0.319 Ω	
Winding resistance between phases 1-3 +/- 7% at 25℃	0.315 Ω	
Winding resistance between phases 2-3 +/- 7% at 25℃	0.327 Ω	
Rated Load Amps (RLA)	29.5 A	
Maximum Continuous Current (MCC)	46 A	
Locked Rotor Amps (LRA)	235 A	
Motor protection	Internal overload protector	

D=185 mm H=545 mm H1=369 mm H2=509 mm H3=- mm

### **Recommended Installation torques**

Suction Rotolock nut or val	ve	0 Nm
Discharge Rotolock nut or	<i>r</i> alve	0 Nm
Oil sight glass		52.5 Nm
Power connections / Earth	connection	3 Nm / 2 Nm

**Terminal box** 



# Parts shipped with compressor

Mounting kit with grommets and sl	eeves
Initial oil charge	
Installation instructions	

Approvals: CE certified, UL certified (file SA11565), -

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

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

IP22

1: Screw connectors 10-32 UNF x 9.5

2: Earth connection

3: Power cable passage



## Datasheet, accessories and spare parts

IP54 upgrade kit

Spare parts

Terminal box cover

Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers

# Scroll compressor, MLZ066T2

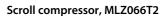
Rotolock accessories, suction side	Code no.	
Solder sleeve, P02 (1-3/4" Rotolock, 1-1/8" ODF)	8153004	
Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF)	8168028	
Gasket, 1-3/4"	8156132	
Rotolock accessories, discharge side	Code no.	
Rotolock valve, V05 (1-1/4" Rotolock, 7/8" ODF)	8168030	Solder sleeve adapter set
Gasket, 1-3/4"	8156132	
Rotolock accessories, sets	Code no.	op Opp
Solder sleeve adapter set (1-3/4" Rotolock, 1-1/8" ODF), (1-1/4" Rotolock, 7/8" ODF)	120Z0125	
Valve set, V02(1"3/4~1"1/8), V05(1"1/4~7/8")	120Z0403	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)
Belt type crankcase heater, 70 W, 230 V, UL	120Z5011	
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	120Z0059	
Miscellaneous accessories	Code no.	
Acoustic hood	120Z5085	
Discharge thermostat kit	7750009	
		l .

118U0057

Code no.

120Z5005

120Z5018



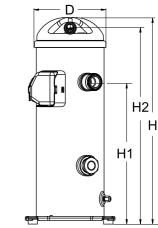


# Danfoss

## **General Characteristics**

Model number (on compressor nameplate)		MLZ066T2LQ9	
Code number for Singlepack*		121U8623	
Code number for Industrial pack**		121U8622	
Drawing number		0SR6307B-3	
Suction and discharge connections		Rotolock	
Suction connection		1-3/4 " Rotolock	
Discharge connection		1-1/4 " Rotolock	
Suction connection with supplied sleeve		1-1/8 " -	
Discharge connection with supplied sleeve	_ "	7/8 " -	
Oil sight glass		Threaded	
Oil equalisation connection		None	
Oil drain connection		None	
LP gauge port		None	
IPR valve		None	
Swept volume	148.8 c	m3/rev	
Displacement @ Nominal speed	25.9 m3/h @ 2900 rpm	- 31.3 m3/h @ 3500 rpm	
Net weight	47	kg	
Oil charge	2.66 litre, PVE		
Maximum system test pressure Low Side / High side	- bar(g)	- bar(g) / - bar(g)	
Maximum differential test pressure	- bar		
Maximum number of starts per hour	1	12	
Refrigerant charge limit	7.20	7.26 kg	
Approved refrigerants	R404A, R507, R134a, R407C, R22		
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#### Dimensions

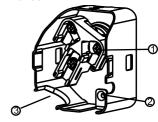


D=184 mm H=545.2 mm H1=369.2 mm H2=518 mm H3=- mm

#### **Electrical Characteristics**

Nominal voltage	208-230V/3/60Hz	
Voltage range	188-253 V	
Winding resistance between phases 1-2 +/- 7% at 25°C	0.319 Ω	
Winding resistance between phases 1-3 +/- 7% at 25°C	0.315 Ω	
Winding resistance between phases 2-3 +/- 7% at 25°C	0.327 Ω	
Rated Load Amps (RLA)	29.5 A	
Maximum Continuous Current (MCC)	46 A	
Locked Rotor Amps (LRA)	235 A	
Motor protection	Internal overload protector	

#### **Terminal box**



**Recommended Installation torques** 

Oil sight glass	52.5 Nm
Power connections / Earth connection	3 Nm / 2 Nm

# Parts shipped with compressor

Mounting kit with grommets and sleeves
Initial oil charge
Installation instructions

IP22 1:

2:

3:

Screw connectors 10-32 UNF x 9.5

Earth connection

Power cable passage

 $\textbf{Approvals:} \ \mathsf{CE} \ \mathsf{certified}, \ \mathsf{UL} \ \mathsf{certified} \ (\mathsf{file} \ \mathsf{SA11565}), -$ 

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

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



## Datasheet, accessories and spare parts

# Scroll compressor, MLZ066T2

Rotolock accessories, suction side	Code no.	
Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF)	8168028	
Gasket, 1-3/4"	8156132	
Rotolock accessories, discharge side	Code no.	
Rotolock valve, V05 (1-1/4" Rotolock, 7/8" ODF)	8168030	
Gasket, 1-1/4"	8156131	
Rotolock accessories, sets	Code no.	
Teflon seals, sleeves, nuts for discharge and suction (1"1/4 and 1"1/4)	120Z5076	
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009	
Oil / lubricants	Code no.	
PVE lubricant, 320HV (FVC68D), 1 litre can	120Z5034	
Crankcase heaters	Code no.	
Belt type crankcase heater, 70 W, 230 V, UL	120Z5011	
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	120Z0059	
Miscellaneous accessories	Code no.	
Acoustic hood	120Z5045	
Discharge thermostat kit	7750009	
IP54 upgrade kit	118U0057	
Spare parts	Code no.	
Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers	120Z5005	
Terminal box cover	120Z5018	

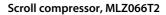
Gaskets, sleeves and nuts





1: Gasket 2: Solder sleeve

3: Rotolock nut



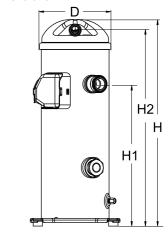




# **General Characteristics**

Model number (on compressor nameplate)	MLZ066T2LC9A MLZ066T2LQ		
Code number for Singlepack*	120U8685	121U8827	
Code number for Industrial pack**	120U8684	121U8826	
Drawing number	0SR6167B-3	0SR6307B-3	
Suction and discharge connections	Brazed	Rotolock	
Suction connection	1-1/8 " ODF	1-3/4 " Rotolock	
Discharge connection	7/8 " ODF	1-1/4 " Rotolock	
Suction connection with supplied sleeve		1-1/8 " -	
Discharge connection with supplied sleeve	- "	7/8 " -	
Oil sight glass	Threaded	Threaded	
Oil equalisation connection	None	None	
Oil drain connection	1/4" flare	None	
LP gauge port	None	None	
IPR valve	None	None	
Swept volume	148.8 c	m3/rev	
Displacement @ Nominal speed	25.9 m3/h @ 2900 rpm	- 31.3 m3/h @ 3500 rpm	
Net weight	47	kg	
Oil charge	2.66 litre	e, POE	
Maximum system test pressure Low Side / High side	- bar(g)	/ - bar(g)	
Maximum differential test pressure	- bar		
Maximum number of starts per hour	1	2	
Refrigerant charge limit	7.20	5 kg	
Approved refrigerants	R404A,R507,R134a,R407A,R4	07F,R448A,R449A,R452A,R22	

#### **Dimensions**

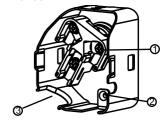


D=184 mm H=545.2 mm H1=369.2 mm H2=518 mm H3=- mm

#### **Electrical Characteristics**

Nominal voltage 208-230V/3/60Hz		
Voltage range	188-253 V	
Winding resistance between phases 1-2 +/- 7% at 25°C	0.319 Ω	
Winding resistance between phases 1-3 +/- 7% at 25°C	0.315 Ω	
Winding resistance between phases 2-3 +/- 7% at 25°C	0.327 Ω	
Rated Load Amps (RLA)	29.5 A	
Maximum Continuous Current (MCC)	46 A	
Locked Rotor Amps (LRA)	235 A	
Motor protection	Internal overload protector	

#### **Terminal box**



1: Screw connectors 10-32 UNF x 9.5

Earth connection

IP22

2:

3:

Power cable passage

**Recommended Installation torques** 

Neconinienaea instanation 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	3 Nm / 2 Nm

# Parts shipped with compressor

1 arts shipped with compressor
Mounting kit with grommets and sleeves
Initial oil charge
Installation instructions

Approvals : CE certified, UL certified (file SA11565), -

\*Singlepack: Compressor in cardboard box. 121U... optimised for Danfoss pallet, 120U... optimised for US pallet

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



## Datasheet, accessories and spare parts

# Scroll compressor, MLZ066T2

Rotolock accessories, suction side	Code no.	
Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF)	8168028	
Gasket, 1-3/4"	8156132	
Rotolock accessories, discharge side	Code no.	
Rotolock valve, V05 (1-1/4" Rotolock, 7/8" ODF)	8168030	
Gasket, 1-1/4"	8156131	
Rotolock accessories, sets	Code no.	
Teflon seals, sleeves, nuts for discharge and suction (1"1/4 and 1"1/4)	120Z5076	
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009	
Oil / lubricants	Code no.	
POE lubricant, 215PZ(PL46HB), 1 litre can	120Z0648	
Crankcase heaters	Code no.	
Belt type crankcase heater, 70 W, 230 V, UL	120Z5011	
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	120Z0059	
Miscellaneous accessories	Code no.	
Acoustic hood	120Z5085	
Discharge thermostat kit	7750009	
IP54 upgrade kit	118U0057	
Spare parts	Code no.	
Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers	120Z5005	
Terminal box cover	120Z5018	

Gaskets, sleeves and nuts





1: Gasket 2: Solder sleeve

3: Rotolock nut



Scroll compressor. MLZ066T2

# 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 capacity		1	1			1			1
16	11 943	14 987	18 626	22 834	-	-	-	-	-
20	11 417	14 368	17 902	21 991	26 607	-	-	-	-
30	10 367	13 088	16 357	20 151	24 444	29 203	34 389	-	-
40	9 438	11 930	14 935	18 436	22 407	26 823	31 646	-	-
50	-	10 580	13 324	16 532	20 184	24 258	28 723	-	-
60	-	-	-	14 132	17 465	21 198	25 307	-	-
68	-	-	-	-	-	18 187	22 010	-	-
Power input in V		T			1	1	T		I
16	2 967	2 953	2 933	2 927	-	-	-	-	-
20	3 409	3 416	3 410	3 413	3 448	-	-	-	-
30	4 342	4 398	4 425	4 448	4 488	4 568	4 711	-	-
40	5 236	5 336	5 394	5 433	5 475	5 542	5 658	-	-
50	-	6 486	6 572	6 624	6 664	6 716	6 800	-	-
60	-	-	-	8 276	8 312	8 344	8 395	-	-
68	-	-	-	-	-	10 147	10 169	-	-
Current consum	•	1	1	1	T	T	1		T
16	11.42	11.37	11.29	11.27	-	-	-	-	-
20	13.12	13.15	13.12	13.14	13.27	-	-	-	-
30	16.71	16.93	17.03	17.12	17.28	17.58	18.13	-	-
40	20.15	20.54	20.76	20.91	21.07	21.33	21.78	-	-
50	-	24.97	25.30	25.50	25.65	25.85	26.17	-	-
60	-	-	-	31.86	31.99	32.12	32.31	-	-
68	-	-	-	-	-	39.06	39.14	-	-
Mass flow in kg/		1	T	T	Т	T			ı
16	235	288	350	423	-	-	-	-	-
20	235	288	350	422	504	-	-	-	-
30	231	285	348	420	501	590	687	-	-
40	220	276	341	414	495	584	681	-	-
50	-	259	326	401	484	574	671	-	-
60	-	-	-	380	466	558	657	-	-
68	-	-	-	-	-	539	640	-	-
Coefficient of pe	•	1			T	1	T		I
16	4.03	5.07	6.35	7.80	-	-	-	-	-
20	3.35	4.21	5.25	6.44	7.72	-	-	-	-
30	2.39	2.98	3.70	4.53	5.45	6.39	7.30	-	-
40	1.80	2.24	2.77	3.39	4.09	4.84	5.59	-	-
50	-	1.63	2.03	2.50	3.03	3.61	4.22	-	-
60	-	-	-	1.71	2.10	2.54	3.01	-	-
68	_	_	_	-	_	1.79	2.16	_	_

Cooling capacity	14 173	W
Power input	5 941	W
Current consumption	22.87	Α
Mass flow	335	kg/h
C.O.P.	2.39	

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	74	dB(A)
With accoustic hood	66	dB(A)



Scroll compressor. MLZ066T2

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

**R22** 

Cond. temp. in				Evapora	iting temperature	in °C (to)			
°C (tc)	-20	-15	-10	-5	0	5	10		
•		•	•	•		•			
Cooling capacit	y in W								
16	11 652	14 666	18 286	22 498	-	-	-	-	-
20	11 168	14 092	17 607	21 698	26 348	-	-	-	-
30	10 217	12 917	16 169	19 959	24 269	29 085	34 389	-	-
40	-	11 863	14 854	18 344	22 317	26 757	31 646	-	-
50	-	-	-	16 543	20 180	24 245	28 723	-	-
60	-	-	-	-	17 546	21 239	25 307	-	-
68	-	-	-	-	-	-	22 010	-	-
Power input in \		1	T	T	1	1	1		1
16	2 967	2 953	2 933	2 927	-	-	-	-	-
20	3 409	3 416	3 410	3 413	3 448	-	-	-	-
30	4 342	4 398	4 425	4 448	4 488	4 568	4 711	-	-
40	-	5 336	5 394	5 433	5 475	5 542	5 658	-	-
50	-	-	-	6 624	6 664	6 716	6 800	-	-
60	-	-	-	-	8 312	8 344	8 395	-	-
68	-	-	-	-	-	-	10 169	-	-
Current consum	11.42	11.37	11.29	11.27	_	_			
16 20	13.12		13.12	13.14	13.27	-	-	-	-
30	16.71	13.15 16.93	17.03	17.12	17.28	17.58	18.13	-	-
40	-	ł	1	1	1	+	+ +	<u> </u>	-
50	<u> </u>	20.54	20.76	20.91 25.50	21.07 25.65	21.33 25.85	21.78 26.17	-	-
60	<u> </u>	-	-	-	1	+	32.31	<u> </u>	-
68	-	-	-	-	31.99	32.12	39.14	-	-
00	<u> </u>		-	-	<u> </u>	-	39.14	<u> </u>	-
Mass flow in kg	/h								
16	207	258	320	395	_	-	-	-	-
20	207	258	320	394	480	_	_	_	-
30	204	256	319	392	478	576	687	-	-
40	-	248	312	386	472	570	681	-	-
50	-	-	-	375	462	560	671	-	-
60	-	-	-	-	444	544	657	-	-
68	-	-	-	-	-	-	640	-	-
			1	1		•			1
Coefficient of pe	erformance (C.O	).P.)							
16	3.93	4.97	6.24	7.69	-	-	-	-	-
20	3.28	4.13	5.16	6.36	7.64	-	-	-	-
30	2.35	2.94	3.65	4.49	5.41	6.37	7.30	-	-
40	-	2.22	2.75	3.38	4.08	4.83	5.59	-	-
50	-	-	-	2.50	3.03	3.61	4.22	-	-
	-	-	-	_	2.11	2.55	3.01	-	-
60									

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

Cooling capacity	14 145	W
Power input	5 941	W
Current consumption	22.87	Α
Mass flow	306	kg/h
C.O.P.	2.38	

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(g)	

Sound power data

Sound power level	74	dB(A)
With accoustic hood	66	dB(A)



Scroll compressor. MLZ066T2

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

**R22** 

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-20	-15	-10	-5	0	5	10		
Cooling capacity		1		1		1			
16	14 347	17 897	22 203	27 216	-	-	-	-	-
20	13 709	17 185	21 395	26 294	31 829	-	-	-	-
30	12 382	15 656	19 614	24 213	29 405	35 138	41 346	-	-
40	11 199	14 252	17 939	22 219	27 050	32 384	38 164	-	-
50	-	12 684	16 079	20 022	24 475	29 394	34 728	-	-
60	-	-	-	17 340	21 395	25 880	30 754	-	-
68	-	-	-	-	-	22 502	26 992	-	-
Power input in V	v								
16	3 692	3 816	3 964	4 129	_	_	-	_	_
20	4 067	4 198	4 349	4 514	4 686	_	_		_
30	5 031	5 183	5 345	5 511	5 676	5 831	5 972	-	_
40	6 125	6 303	6 481	6 654	6 815	6 958	7 077		_
50	-	7 676	7 875	8 059	8 221	8 357	8 458	-	_
60	<u> </u>	-	-	9 844	10 013	10 145	10 233	<u> </u>	
68		_	_	-	-	11 935	12 017	-	-
00		l	I.	l	I.	11 000	12 017		I
Current consum	ption in A								
16	11.58	11.97	12.44	12.96	-	-	-	-	-
20	12.76	13.17	13.65	14.16	14.70	-	-	-	-
30	15.79	16.26	16.77	17.29	17.81	18.30	18.74	-	-
40	19.22	19.78	20.34	20.88	21.38	21.83	22.21	-	-
50	-	24.08	24.71	25.29	25.80	26.22	26.54	-	-
60	-	-	-	30.89	31.42	31.83	32.11	-	-
68	-	-	-	-	-	37.45	37.71	-	-
Mass flow in kg/						1			
16	274	338	416	505	-	-	-	-	-
20	275	340	417	506	606	- 740	-	-	-
30	273	339	416	506	605	713	829	-	-
40	261	329	409	499	599	707	822	-	-
50	-	311	393	485	587	696	812	-	-
60	-	-	-	463	567	679	796	-	-
68	-	-	-	-	-	660	779	-	-
Coefficient of pe	rformance (C O	).P.)							
16	3.89	4.69	5.60	6.59	_	_	_	-	_
20	3.37	4.09	4.92	5.83	6.79	_	_	_	-
30	2.46	3.02	3.67	4.39	5.18	6.03	6.92		_
40	1.83	2.26	2.77	3.34	3.97	4.65	5.39	-	_
50	-	1.65	2.04	2.48	2.98	3.52	4.11	-	_
60		-	-	1.76	2.14	2.55	3.01		_
68		-	-	-	-	1.89	2.25	<u> </u>	_
- 00			_	1	_	1.00	2.20	-	_

Nominal performance at to = -10 °C, tc = 45 °C	3
--	---

Cooling capacity	17 050	W
Power input	7 138	W
Current consumption	22.40	Α
Mass flow	402	kg/h
C.O.P.	2.39	

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	78	dB(A)
With accoustic hood	70	dB(A)



Scroll compressor. MLZ066T2

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

**R22** 

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-20	-15	-10	-5	0	5	10		
						•			
Cooling capacity	y in W								
16	13 997	17 514	21 798	26 816	-	-	-	-	-
20	13 410	16 855	21 043	25 943	31 519	-	-	-	-
30	12 203	15 452	19 390	23 982	29 195	34 995	41 346	-	-
40	-	14 172	17 841	22 108	26 941	32 304	38 164	-	-
50	-	-	-	20 035	24 469	29 378	34 728	-	-
60	-	-	-	-	21 493	25 931	30 754	-	-
68	-	-	-	-	-	-	26 992	-	-
Power input in V						1		ı	
16	3 692	3 816	3 964	4 129	-	-	-	-	-
20	4 067	4 198	4 349	4 514	4 686	-	-	-	-
30	5 031	5 183	5 345	5 511	5 676	5 831	5 972	-	-
40	-	6 303	6 481	6 654	6 815	6 958	7 077	-	-
50	-	-	-	8 059	8 221	8 357	8 458	-	-
60	-	-	-	-	10 013	10 145	10 233	-	-
68	-	-	-	-	-	-	12 017	-	-
Current consum	ntion in A								
16	11.58	11.97	12.44	12.96	_	_	_	_	_
20	12.76	13.17	13.65	14.16	14.70	_	_	_	_
30	15.79	16.26	16.77	17.29	17.81	18.30	18.74	-	_
40	-	19.78	20.34	20.88	21.38	21.83	22.21	_	_
50	-	-	-	25.29	25.80	26.22	26.54	-	_
60	-	-	-	-	31.42	31.83	32.11	-	_
68	-	-	-	-	-	-	37.71	-	-
	_	•			•	1			•
Mass flow in kg/		1 000	1 000			1	1		
16	241	303	380	471	-	-	-	-	-
20	242	305	382	473	578	-	-	-	-
30	240	304	381	472	577	696	829	-	-
40 50	-	295	374	466 453	571	690	822 812	-	-
-					560	679			-
60 68	-	-	-	-	541	662	796 779	-	-
00	-	_	_	-	_	-	779	-	-
Coefficient of pe	erformance (C.O	.P.)							
16	3.79	4.59	5.50	6.49	-	-	-	-	-
20	3.30	4.01	4.84	5.75	6.73	-	-	-	-
30	2.43	2.98	3.63	4.35	5.14	6.00	6.92	-	-
40	-	2.25	2.75	3.32	3.95	4.64	5.39	-	-
50	-	-	-	2.49	2.98	3.52	4.11	-	-
		1	İ				0.04		1
60	-	-	-	-	2.15	2.56	3.01	-	-

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

Cooling capacity	17 016	W
Power input	7 138	W
Current consumption	22.40	Α
Mass flow	368	kg/h
C.O.P.	2.38	

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(g)

Sound power data

Sound power level	78	dB(A)
With accoustic hood	70	dB(A)



Scroll compressor. MLZ066T2

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

R134a

Cond. temp. in Evaporating temperature in °C (to)									
°C (tc)	-15	-10	-5	0	5	10	15		
Cooling capacity		T	_	Т	Т	1		T	T
22	8 949	11 199	13 879	17 015	20 638	-	-	-	-
30	8 219	10 350	12 884	15 850	19 275	23 190	-	-	-
40	7 244	9 206	11 539	14 272	17 433	21 051	25 153	-	-
50	-	7 999	10 109	12 588	15 463	18 762	22 515	-	-
60	-	-	8 621	10 824	13 391	16 351	19 732	-	-
70	-	-	-	9 008	11 246	13 845	16 833	-	-
73	-	-	-	8 457	10 593	13 079	15 944	-	-
	_								
Power input in W		0.504	0.505	0.000	0.704	1		I	
22	2 470	2 521	2 597	2 688	2 784	-	-	-	-
30	2 956	3 006	3 070	3 137	3 198	3 241	-	-	-
40	3 640	3 714	3 787	3 849	3 889	3 898	3 864	-	-
50	-	4 510	4 619	4 702	4 750	4 750	4 694	-	-
60	-	-	5 539	5 671	5 752	5 772	5 721	-	-
70	-	-	-	6 729	6 871	6 937	6 917	-	-
73	-	-	-	7 060	7 225	7 311	7 305	-	-
O	-41 I A								
Current consump	9.51	9.70	9.99	10.25	10.72	_	_	-	I .
+			<b>+</b>	10.35					-
30	11.38	11.57	11.82	12.08	12.31	12.48	- 44.07	-	
40	14.01	14.29	14.57	14.81	14.97	15.00	14.87	-	-
50	-	17.36	17.78	18.10	18.28	18.28	18.07	-	-
60	-	-	21.32	21.83	22.14	22.22	22.02	-	-
70	-	-	-	25.90	26.45	26.70	26.62	-	-
73	-	-	-	27.18	27.81	28.14	28.12	-	-
Mass flow in kg/h	•								
22	192	237	289	347	413	_	_	_	_
30	190	235	287	346	413	487	-	_	_
40	187	231	282	342	409	485	569	_	_
50	-	225	276	335	403	479	564	-	_
60	-	-	268	327	394	479	556	-	-
+				1	394	460	546		
70	-	-	-	316	1	1	546	-	-
73	-	-	_	313	380	456	5 <del>4</del> 2	-	-
Coefficient of pe	rformance (C (	)P)							
22	3.62	4.44	5.34	6.33	7.41	_	_	_	_
30	2.78	3.44	4.20	5.05	6.03	7.15	-	_	_
40	1.99	2.48	3.05	3.71	4.48	5.40	6.51		
50	1.99	1.77	2.19	2.68	3.26	3.95	4.80	-	-
60		-	1.56	1.91	2.33	2.83	3.45		
70	-	_	1	1	1	+		-	-
		-	-	1.34	1.64	2.00	2.43		-
73	-	-	-	1.20	1.47	1.79	2.18	-	-

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

Cooling capacity	8 609	W
Power input	4 102	W
Current consumption	15.79	Α
Mass flow	228	kg/h
C.O.P.	2.10	

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	74	dB(A)
With accoustic hood	66	dB(A)



Scroll compressor. MLZ066T2

# Performance data at 50 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		1	1	T	T			I	1
22	9 092	11 330	13 986	17 089	20 672	-	-	-	-
30	-	10 541	13 049	15 972	19 340	23 190	-	-	-
40	-	-	11 777	14 456	17 537	21 051	25 036	-	-
50	-	-	10 417	12 832	15 605	18 762	22 335	-	-
60	-	-	-	11 126	13 571	16 351	-	-	-
70	-	-	-	-	11 463	13 845	-	-	-
73	-	-	-	-	10 821	13 079	-	-	-
Power input in W	,								
22	2 470	2 521	2 597	2 688	2 784	_	-	_	_
30	-	3 006	3 070	3 137	3 198	3 241	_	-	-
40	-	-	3 787	3 849	3 889	3 898	3 864	_	-
50	-	_	4 619	4 702	4 750	4 750	4 694	-	-
60	-	_	-	5 671	5 752	5 772	-	-	-
70	1-	-	_	-	6 871	6 937	_	-	-
73	-	_	_	_	7 225	7 311	_	_	_
		<u> </u>	l .	ı	. ===				L
Current consump	otion in A								
22	9.51	9.70	9.99	10.35	10.72	-	-	-	-
30	-	11.57	11.82	12.08	12.31	12.48	-	-	-
40	-	-	14.57	14.81	14.97	15.00	14.87	-	-
50	-	-	17.78	18.10	18.28	18.28	18.07	-	-
60	-	-	-	21.83	22.14	22.22	-	-	-
70	-	-	-	-	26.45	26.70	-	-	-
73	-	-	-	-	27.81	28.14	-	-	-
Mass flow in kg/h		1			T			T	
22	173	217	270	332	404	-	-	-	-
30	-	216	269	331	403	487	-	-	-
40	-	-	264	327	400	485	584	-	-
50	-	-	258	320	394	479	579	-	-
60	-	-	-	312	385	471	-	-	-
70	-	-	-	-	374	460	-	-	-
73	-	-	-	-	371	456	-	-	-
Coefficient of pe	rformance (C.C	O.P.)							
22	3.68	4.49	5.39	6.36	7.42	-	-	-	-
30	-	3.51	4.25	5.09	6.05	7.15	-	-	-
40	-	-	3.11	3.76	4.51	5.40	6.48	-	-
50	-	_	2.26	2.73	3.29	3.95	4.76	-	_
60	_	-	-	1.96	2.36	2.83	-	-	_
70		_	_	-	1.67	2.00	_	_	_
73		-	_	-	1.50	1.79	-	-	_
10	-		· -		1.00	1.18	_		

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	74	dB(A)
With accoustic hood	66	dB(A)

Tolerance according EN12900

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Scroll compressor. MLZ066T2

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

R134a

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-15	-10	-5	0	5	10	15		
Cooling capacity	ı in W								
22	10 825	13 492	16 668	20 369	24 616	-	_	_	_
30	9 964	12 508	15 529	19 047	23 081	27 648	_	_	_
40	8 776	11 141	13 946	17 210	20 952	25 190	29 944	-	_
50	-	9 656	12 218	15 201	18 624	22 507	26 867	_	_
60	-	-	10 380	13 056	16 134	19 633	23 573	-	_
70	-	_	-	10 810	13 515	16 605	20 097	-	_
73	-	_	_	10 121	12 710	15 671	19 024	-	_
Power input in V	ı								l .
22	3 005	3 058	3 164	3 313	3 492	_	_	-	_
30	3 527	3 599	3 704	3 829	3 965	4 100	-	-	_
40	4 274	4 400	4 531	4 658	4 768	4 851	4 895	-	-
50	-	5 326	5 517	5 676	5 793	5 856	5 854	-	-
60	-	-	6 646	6 870	7 026	7 101	7 086	-	_
70	-	-	-	8 226	8 453	8 573	8 576	-	-
73	-	-	-	8 662	8 917	9 056	9 071	-	-
urrent consum	ption in A					_			
22	9.43	9.60	9.93	10.40	10.96	-	-	-	-
30	11.07	11.29	11.62	12.02	12.44	12.86	-	-	-
40	13.41	13.81	14.22	14.62	14.96	15.22	15.36	-	-
50	-	16.71	17.31	17.81	18.18	18.37	18.37	-	-
60	-	-	20.85	21.56	22.05	22.28	22.23	-	-
70	-	-	-	25.81	26.52	26.90	26.91	-	-
73	-	-	-	27.18	27.98	28.42	28.46	-	-
lass flow in kg/	h								
22	234	285	346	416	493	-	-	-	-
30	232	284	346	417	496	582	-	-	-
40	225	279	342	413	493	581	676	-	-
50	-	269	333	405	486	574	670	-	-
60	-	-	321	394	475	564	660	-	-
70	-	-	-	381	462	551	647	-	-
73	-	-	-	377	458	547	643	-	-
coefficient of pe	rformance (C.C	).P.)		<u> </u>	<u> </u>				
22	3.60	4.41	5.27	6.15	7.05	-	-	-	-
30	2.83	3.48	4.19	4.97	5.82	6.74	-	-	-
40	2.05	2.53	3.08	3.69	4.39	5.19	6.12	-	-
50	-	1.81	2.21	2.68	3.21	3.84	4.59	-	-
60	-	-	1.56	1.90	2.30	2.76	3.33	-	-
70	-	-	-	1.31	1.60	1.94	2.34	-	-
73	-	-	-	1.17	1.43	1.73	2.10	-	-

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

Cooling capacity	10 411	W
Power input	4 848	W
Current consumption	15.21	Α
Mass flow	274	kg/h
C.O.P.	2.15	

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(g)

Sound power data

Sound power level	78	dB(A)
With accoustic hood	70	dB(A)



Scroll compressor. MLZ066T2

# 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			1	T		1	1		
22	10 998	13 650	16 796	20 457	24 657	-	-	-	-
30	-	12 740	15 729	19 195	23 158	27 648	-	-	-
40	-	-	14 233	17 432	21 077	25 190	29 804	-	-
50	-	-	12 590	15 496	18 796	22 507	26 653	-	-
60	-	-	-	13 420	16 350	19 633	-	-	-
70	-	-	-	-	13 776	16 605	-	-	-
73	-	-	-	-	12 984	15 671	-	-	-
laurar innut in M	,								
ower input in W	3 005	3 058	3 164	3 313	3 492	_	_	-	_
30	-	3 599	3 704	3 829	3 965	4 100	-	<u>-</u>	
40		3 399	4 531	4 658	4 768	4 851	4 895	-	
50			5 517	5 676	5 793	5 856	5 854		
60	-	-	-	6 870	7 026	7 101	5 654	<u>-</u>	-
70		-	-	-	8 453	8 573	-	-	_
73		_	_	-	8 917	9 056	_	_	-
73				<u> </u>	0 917	9 030			
urrent consum	otion in A								
22	9.43	9.60	9.93	10.40	10.96	-	_	-	_
30	-	11.29	11.62	12.02	12.44	12.86	-	-	-
40	-	-	14.22	14.62	14.96	15.22	15.36	-	_
50	-	_	17.31	17.81	18.18	18.37	18.37	_	_
60	-	_	-	21.56	22.05	22.28	-	-	-
70	_	_	_	_	26.52	26.90	-	_	_
73	-	-	_	_	27.98	28.42	-	-	_
		I.	l	L					
/lass flow in kg/l	1								
22	210	262	324	397	482	-	-	-	-
30	-	261	324	398	484	582	-	-	-
40	-	-	320	395	482	581	694	-	-
50	-	-	312	387	475	574	688	-	-
60	-	-	-	377	464	564	-	-	-
70	-	-	-	-	452	551	-	-	-
73	-	-	-	-	447	547	-	-	-
				<del></del>					
Coefficient of per	•	1		·		1	,		
22	3.66	4.46	5.31	6.18	7.06	-	-	-	-
30	-	3.54	4.25	5.01	5.84	6.74	-	-	-
40	-	-	3.14	3.74	4.42	5.19	6.09	-	-
50	-	-	2.28	2.73	3.24	3.84	4.55	-	-
60	-	-	-	1.95	2.33	2.76	-	-	-
70	-	-	-	-	1.63	1.94	-	-	-

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	78	dB(A)
With accoustic hood	70	dB(A)



Scroll compressor. MLZ066T2

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

**R404A** 

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	y in W								
10	10 506	12 886	15 805	19 327	23 517	-	-	-	-
20	9 496	11 728	14 397	17 567	21 301	25 666	30 723	-	-
30	8 342	10 437	12 865	15 691	18 980	22 797	27 205	32 268	38 049
40	-	8 958	11 156	13 649	16 502	19 780	23 549	27 871	32 811
50	-	-	9 216	11 386	13 813	16 563	19 702	23 294	27 404
60	-	-	-	-	10 861	13 094	15 613	18 486	21 778
Power input in V		0.070	0.000	0.405	0.500	T	I	T	
10	3 233	3 273	3 326	3 405	3 528	-	-	-	-
20	3 945	4 004	4 060	4 127	4 222	4 360	4 555	-	
30	4 826	4 905	4 965	5 020	5 088	5 183	5 320	5 515	5 783
40	-	6 074	6 137	6 182	6 223	6 275	6 354	6 475	6 654
50	-	-	7 675	7 709	7 723	7 733	7 754	7 802	7 892
60	-	-	-	-	9 685	9 653	9 617	9 593	9 594
Current consum	ntion in A								
10	13.33	13.50	13.71	14.04	14.55	_	_	_	_
20	16.27	16.51	16.74	17.02	17.41	17.98	18.78		_
30	19.90	20.23	20.47	20.70	20.98	21.37	21.94	22.74	23.85
40	-	25.05	25.31	25.49	25.66	25.88	26.20	26.70	27.44
50		25.05	31.65	31.79	31.85	31.89	31.98	32.18	32.55
60	_	_	-	-	39.94	39.81	39.66	39.56	39.56
00	_		_		00.04	00.01	00.00	00.00	00.00
Mass flow in kg/	h								
10	187	249	316	393	483	-	-	-	-
20	195	255	320	394	480	583	704	-	-
30	194	253	317	389	472	571	689	829	995
40	=	243	307	378	460	557	672	808	969
50	-	-	291	362	444	540	653	787	945
60	=	-	-	-	425	521	634	767	923
		•							
Coefficient of pe	erformance (C.C	D.P.)							
10	3.25	3.94	4.75	5.68	6.67	-	-	-	-
20	2.41	2.93	3.55	4.26	5.05	5.89	6.74	-	-
30	1.73	2.13	2.59	3.13	3.73	4.40	5.11	5.85	6.58
40	-	1.47	1.82	2.21	2.65	3.15	3.71	4.30	4.93
50	-	-	1.20	1.48	1.79	2.14	2.54	2.99	3.47
60	=	-	-	-	1.12	1.36	1.62	1.93	2.27

Nominal performa	nce at to = -10	°C, tc = 45 °C

Cooling capacity	15 187	W
Power input	6 921	W
Current consumption	28.54	Α
Mass flow	453	kg/h
C.O.P.	2.19	

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	74	dB(A)
With accoustic hood	66	dB(A)



Scroll compressor. MLZ066T2

# 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 capacit	y in W									
10	10 095	12 471	15 400	18 955	23 203	-	-	-	-	
20	8 930	11 138	13 803	16 996	20 788	25 245	30 431	-	-	
30	7 629	9 674	12 081	14 921	18 266	22 188	26 754	32 026	38 049	
40	6 158	8 037	10 188	12 681	15 587	18 982	22 938	27 527	32 811	
50	-	-	8 085	10 231	12 703	15 577	18 931	22 846	27 404	
60	-	-	-	-	9 558	11 913	14 671	17 926	21 778	
Power input in V	V	•	•	1	•	•	•	1	1	
10	3 233	3 273	3 326	3 405	3 528	-	-	-	-	
20	3 945	4 004	4 060	4 127	4 222	4 360	4 555		-	
30	4 826	4 905	4 965	5 020	5 088	5 183	5 320	5 515	5 783	
40	5 975	6 074	6 137	6 182	6 223	6 275	6 354	6 475	6 654	
50	-	-	7 675	7 709	7 723	7 733	7 754	7 802	7 892	
60	-	-	-	-	9 685	9 653	9 617	9 593	9 594	
Current consum	ption in A	Т	Т	1		1	,	T	1	
10	13.33	13.50	13.71	14.04	14.55	-	-	-	-	
20	16.27	16.51	16.74	17.02	17.41	17.98	18.78	-	-	
30	19.90	20.23	20.47	20.70	20.98	21.37	21.94	22.74	23.85	
40	24.64	25.05	25.31	25.49	25.66	25.88	26.20	26.70	27.44	
50	-	-	31.65	31.79	31.85	31.89	31.98	32.18	32.55	
60	-	-	-	-	39.94	39.81	39.66	39.56	39.56	
Mass flow in kg		T	T	1		T		T	ı	
10	223	291	363	443	534	-	-	-	-	
20	232	298	367	444	530	630	744	-	-	
30	231	296	364	438	522	617	728	853	995	
40	218	284	352	426	508	602	709	832	969	
50	-	-	334	408	491	584	690	810	945	
60	-	-	-	-	470	563	669	789	923	
Coefficient of pe	· · · · · · · · · · · · · · · · · · ·	1	T	1		T		T	ı	
10	3.12	3.81	4.63	5.57	6.58	-	-	-	-	
20	2.26	2.78	3.40	4.12	4.92	5.79	6.68	-	-	
30	1.58	1.97	2.43	2.97	3.59	4.28	5.03	5.81	6.58	
40	1.03	1.32	1.66	2.05	2.50	3.03	3.61	4.25	4.93	
50	-	-	1.05	1.33	1.64	2.01	2.44	2.93	3.47	
60	-	-	-	-	0.99	1.23	1.53	1.87	2.27	

Nomina	periormance at to1	0 0, 10 - 45	•
0 1'			4 4

Cooling capacity	14 174	W
Power input	6 921	W
Current consumption	28.54	Α
Mass flow	500	kg/h
C.O.P.	2.05	

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	74	dB(A)
With accoustic hood	66	dB(A)



Scroll compressor. MLZ066T2

# 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	y in W								
10	12 775	15 593	19 110	23 365	28 395	-	-	-	-
20	11 541	14 159	17 377	21 232	25 761	31 001	36 990	-	-
30	10 197	12 600	15 501	18 938	22 950	27 573	32 845	38 801	45 478
40	-	10 892	13 460	16 463	19 941	23 930	28 468	33 593	39 340
50	-	-	11 233	13 786	16 712	20 051	23 839	28 116	32 918
60	-	-	-	-	13 244	15 916	18 938	22 351	26 194
Power input in V	N								
10	3 895	3 971	4 090	4 238	4 401	_	_		1
20	4 796	4 865	4 090	5 130	5 297	5 469	5 631	-	-
30	5 903	5 953	6 053	6 190	6 350	6 517	6 678	6 819	6 925
40	5 903	7 316		7 501	7 640	1	7 939	8 071	
1		+	7 388	ł		7 791 9 374	9 497	ł	8 171 9 689
50 60	<u>-</u>	-	9 069	9 146	9 252			9 607	
60	-	-	-	-	11 267	11 347	11 432	11 508	11 561
Current consum	ption in A								
10	12.22	12.46	12.83	13.30	13.81	-	-	-	-
20	15.05	15.27	15.63	16.10	16.62	17.16	17.67	-	-
30	18.52	18.68	18.99	19.42	19.92	20.45	20.95	21.40	21.73
40	-	22.95	23.18	23.54	23.97	24.45	24.91	25.32	25.64
50	-	-	28.46	28.70	29.03	29.41	29.80	30.14	30.40
60	-	-	-	-	35.35	35.60	35.87	36.11	36.28
Mass flow in kg/		Т	T	T	Т	Т	T	T	T
10	232	304	384	476	586	-	-	-	-
20	238	308	386	475	580	705	853	-	-
30	237	307	383	470	572	693	837	1 006	1 206
40	-	299	374	460	561	679	818	984	1 179
50	-	-	360	446	545	661	798	960	1 151
60	-	-	-	-	524	640	775	935	1 123
Coefficient of pe	erformance (C.O	).P.)							
10	3.28	3.93	4.67	5.51	6.45	-	-	-	-
20	2.41	2.91	3.49	4.14	4.86	5.67	6.57	_	-
30	1.73	2.12	2.56	3.06	3.61	4.23	4.92	5.69	6.57
40	-	1.49	1.82	2.19	2.61	3.07	3.59	4.16	4.81
50	_	-	1.24	1.51	1.81	2.14	2.51	2.93	3.40
60	_	_	-	-	1.18	1.40	1.66	1.94	2.27

Nominal perf	ormance at to	= -10 °C	, tc = 45 °C

Cooling capacity	18 355	W
Power input	8 401	W
Current consumption	26.36	Α
Mass flow	553	kg/h
C.O.P.	2.18	

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	78	dB(A)
With accoustic hood	70	dB(A)



Scroll compressor. MLZ066T2

# Performance data at 60 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	y in W								
10	12 276	15 090	18 621	22 915	28 015	-	-	-	-
20	10 853	13 447	16 660	20 542	25 139	30 493	36 638	-	-
30	9 326	11 679	14 556	18 008	22 086	26 836	32 300	38 510	45 478
40	7 683	9 772	12 293	15 296	18 836	22 964	27 730	33 178	39 340
50	-	-	9 854	12 388	15 370	18 857	22 906	27 576	32 918
60	-	-	-	-	11 655	14 480	17 795	21 674	26 194
Power input in V	v			•			•		
10	3 895	3 971	4 090	4 238	4 401	-	-	-	-
20	4 796	4 865	4 981	5 130	5 297	5 469	5 631	-	-
30	5 903	5 953	6 053	6 190	6 350	6 517	6 678	6 819	6 925
40	7 297	7 316	7 388	7 501	7 640	7 791	7 939	8 071	8 171
50	-	-	9 069	9 146	9 252	9 374	9 497	9 607	9 689
60	-	-	-	-	11 267	11 347	11 432	11 508	11 561
Current consum	•	T	1		1			T	ı
10	12.22	12.46	12.83	13.30	13.81	-	-	-	-
20	15.05	15.27	15.63	16.10	16.62	17.16	17.67	-	-
30	18.52	18.68	18.99	19.42	19.92	20.45	20.95	21.40	21.73
40	22.90	22.95	23.18	23.54	23.97	24.45	24.91	25.32	25.64
50	-	-	28.46	28.70	29.03	29.41	29.80	30.14	30.40
60	-	-	-	-	35.35	35.60	35.87	36.11	36.28
Mass flow in kg/	'h								
10	277	355	441	537	646	-	-		-
20	284	360	443	535	641	762	901	-	-
30	283	359	440	530	632	749	883	1 036	1 206
40	273	349	430	519	619	733	864	1 013	1 179
50	-	-	413	502	601	714	843	989	1 151
60	-	-	-	-	579	691	819	963	1 123
Coefficient of pe	erformance (C.O	J.P.)							
10	3.15	3.80	4.55	5.41	6.37	-	-	-	-
20	2.26	2.76	3.34	4.00	4.75	5.58	6.51	_	-
30	1.58	1.96	2.40	2.91	3.48	4.12	4.84	5.65	6.57
40	1.05	1.34	1.66	2.04	2.47	2.95	3.49	4.11	4.81
		-	1.09	1.35	1.66	2.01	2.41	2.87	3.40
50	-								

Nominal performance	at to = -10 °C, tc = 45 °C
Cooling capacity	17 13

Cooling capacity	17 131	W
Power input	8 401	W
Current consumption	26.36	Α
Mass flow	611	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	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	78	dB(A)
With accoustic hood	70	dB(A)



Scroll compressor. MLZ066T2

# 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		7.007	40.447	40.000	40 404	40.000	24.444	20.070	22.550
30	-	7 897	10 117	12 893	16 181	19 936	24 114	28 670	33 558
35	-	7 508	9 489	12 073	15 216	18 875	23 004	27 559	32 495
40	-	7 253	8 948	11 291	14 239	17 749	21 777	26 278	31 208
45	-	-	8 507	10 559	13 262	16 573	20 447	24 842	29 714
50	-	-	-	9 892	12 301	15 362	19 032	23 268	28 026
55	-	-	-	-	11 368	14 130	17 544	21 568	26 161
60	-	-	-	-	-	12 889	15 997	19 758	24 130
65	-	-	-	-	-	-	14 403	17 848	21 946
Power input in W									
30	-	4 338	4 423	4 496	4 562	4 630	4 707	4 802	4 922
35	-	4 800	4 925	5 021	5 094	5 153	5 206	5 259	5 322
40	-	5 271	5 447	5 578	5 671	5 733	5 772	5 797	5 814
45	-	-	6 008	6 186	6 309	6 386	6 424	6 431	6 414
50	-	-	-	6 860	7 027	7 131	7 179	7 180	7 142
55	-	-	-	-	7 841	7 983	8 054	8 062	8 013
60	-	-	-	-	-	8 962	9 067	9 093	9 047
65	-	-	-	-	-	-	10 236	10 291	10 259
			•						
Current consump	tion in A	T		T	T		T		1
30	-	20.03	20.23	20.41	20.55	20.67	20.76	20.82	20.86
35	-	21.25	21.43	21.58	21.70	21.80	21.87	21.91	21.92
40	-	22.52	22.69	22.83	22.94	23.03	23.08	23.11	23.12
45	-	-	24.11	24.25	24.36	24.45	24.51	24.54	24.55
50	-	-	-	25.94	26.07	26.17	26.24	26.28	26.30
55	-	-	-	-	28.15	28.28	28.38	28.45	28.49
60	-	-	-	-	-	30.88	31.02	31.13	31.21
65	-	-	-	-	-	-	34.27	34.43	34.57
Mass flow in kg/h									
30	-	179	224	278	342	416	501	596	704
35	-	177	222	276	339	413	497	592	698
40	-	173	218	272	336	409	493	588	694
45	-	-	212	267	331	404	488	583	689
50	-	-	_	258	323	397	482	577	683
55	-	-	-	-	312	388	473	569	676
60	-	-	-	-	-	374	461	558	666
65	-	-	-	-	-	-	446	545	654
Onefficient of									
30	rormance (C.C	1.82	2.29	2.87	3.55	4.31	5.12	5.97	6.82
35	_	1.56	1.93	2.40	2.99	3.66	4.42	5.24	6.11
40		1.38	1.64	2.02	2.51	3.10	3.77	4.53	5.37
45		-	1.42	1.71	2.10	2.60	3.18	3.86	4.63
50	-	-	-	1.71	1.75	2.00	2.65	3.24	3.92
55	-			-		1.77	2.05	2.68	3.92
60	-	-	-		1.45		•		2.67
00	-	_	ļ <u> </u>	-		1.44	1.76	2.17	2.07

Nominal performance at	to = -10 °C, tc = 45 °C
Cooling capacity	13.26

Cooling capacity	13 262	W
Power input	6 309	W
Current consumption	24.36	Α
Mass flow	331	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

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tc: Condensing temperature at dew point



### Scroll compressor. MLZ066T2 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 Cooling capacity in W Power input in W Current consumption in A Mass flow in kg/h Coefficient of performance (C.O.P.)

# 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

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Scroll compressor. MLZ066T2

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

**R448A** 

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	y in W	1	•	•	•	1	•	•	•
10	8 652	10 902	13 602	16 818	20 618	-	-	-	-
20	7 752	9 926	12 502	15 544	19 122	23 300	28 146	-	-
30	-	-	11 211	14 028	17 331	21 186	25 660	30 820	36 732
40	-	-	-	12 324	15 301	18 781	22 832	27 519	32 909
50	-	-	-	-	13 084	16 138	19 713	23 876	28 694
60	-	-	-	-	-	-	16 360	19 947	24 140
Power input in V	v								
10	2 794	2 863	2 930	2 998	3 071	_	_	_	-
20	3 526	3 593	3 661	3 733	3 813	3 905	4 012	_	-
30	<u>-</u>	-	4 611	4 666	4 731	4 811	4 909	5 028	5 172
40	-	-	-	5 938	5 967	6 013	6 080	6 171	6 291
50	-	_	_	_	7 663	7 653	7 667	7 709	7 782
60	-	-	-	-	-	-	9 814	9 784	9 788
		-1	1	I.	1	I.			
Current consum	ption in A	<b>T</b>	_	1	_	T	_	1	1
10	18.95	18.90	18.93	19.05	19.21	-	-	-	-
20	20.07	20.05	20.13	20.28	20.48	20.71	20.96	-	-
30	-	-	21.84	21.98	22.18	22.40	22.64	22.87	23.07
40	-	-	-	24.65	24.78	24.96	25.14	25.32	25.47
50	-	-	-	-	28.78	28.86	28.94	29.02	29.07
60	-	-	-	-	-	-	34.52	34.45	34.36
Mass flow in kg/	h								
10	141	179	224	278	343	-	_	_	_
20	136	175	221	275	341	418	510	_	_
30	-	-	214	269	334	412	504	613	739
40	_	_	-	259	323	401	493	602	728
50		-	-	-	308	384	476	583	709
60	_	-	_	_	-	-	452	558	683
33		ı	I	I	I		.02		
Coefficient of pe	erformance (C.C	D.P.)							
10	3.10	3.81	4.64	5.61	6.71	-	-	-	-
20	2.20	2.76	3.42	4.16	5.01	5.97	7.02	-	-
30	-	-	2.43	3.01	3.66	4.40	5.23	6.13	7.10
40	-	-	-	2.08	2.56	3.12	3.76	4.46	5.23
50	-	-	-	-	1.71	2.11	2.57	3.10	3.69
60	-	-	-	-	-	-	1.67	2.04	2.47

Nominal perf	ormance at to	= -10 °C	, tc = 45 °C

Cooling capacity	14 212	W
Power input	6 748	W
Current consumption	26.58	Α
Mass flow	316	kg/h
C.O.P.	2.11	

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

ſ	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. MLZ066T2

# 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 capacity	y in W								•
10	8 687	10 955	13 678	16 922	20 751	-	-	-	-
20	7 684	9 862	12 449	15 512	19 117	23 327	28 198	-	-
30	6 600	8 634	11 031	13 859	17 187	21 080	25 600	30 803	36 732
40	-	-	9 481	12 021	15 018	18 541	22 657	27 429	32 909
50	-	-	-	10 057	12 670	15 769	19 427	23 714	28 694
60	-	-	-	-	10 199	12 820	15 964	19 711	24 140
Power input in V	v								
10	2 794	2 863	2 930	2 998	3 071	_	_	_	_
20	3 526	3 593	3 661	3 733	3 813	3 905	4 012	_	-
30	4 523	4 565	4 611	4 666	4 731	4 811	4 909	5 028	5 172
40	-	-	5 924	5 938	5 967	6 013	6 080	6 171	6 291
50	-	-	-	7 694	7 663	7 653	7 667	7 709	7 782
60	_	_	_	-	9 963	9 875	9 814	9 784	9 788
				1					
Current consum	ption in A								
10	18.95	18.90	18.93	19.05	19.21	-	-	-	-
20	20.07	20.05	20.13	20.28	20.48	20.71	20.96	-	-
30	21.81	21.78	21.84	21.98	22.18	22.40	22.64	22.87	23.07
40	-	-	24.56	24.65	24.78	24.96	25.14	25.32	25.47
50	-	-	-	28.74	28.78	28.86	28.94	29.02	29.07
60	-	-	-	-	34.65	34.58	34.52	34.45	34.36
Mana flass in lens	L								
Mass flow in kg/	n 166	208	256	312	376	_	_	_	_
20	161	203	252	308	374	450	536	-	-
30	153	196	252	308	367	450	530	629	739
40	-	-	233	289	355	431	519	618	739
50	-	-	-	273	338	413	500	599	709
60	-	-	-	-	315	389	475	573	683
00		<u> </u>		<u> </u>	310	309	7/0	5/3	003
Coefficient of pe	erformance (C.C	D.P.)							
10	3.11	3.83	4.67	5.64	6.76	-	-	-	-
20	2.18	2.74	3.40	4.16	5.01	5.97	7.03	-	-
30	1.46	1.89	2.39	2.97	3.63	4.38	5.22	6.13	7.10
40	-	-	1.60	2.02	2.52	3.08	3.73	4.44	5.23
50	-	-	-	1.31	1.65	2.06	2.53	3.08	3.69
60	_	-	-	-	1.02	1.30	1.63	2.01	2.47

to: Evaporating	tamparatura	at	dow	noin

Cooling capacity

Current consumption

Power input

Mass flow

C.O.P.

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

13 863

6 748

26.58

347

2.05

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. MLZ066T2

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

**R448A** 

Cond. temp. in				Evapora	iting temperature i	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
						•			
Cooling capacity	in W								
10	10 593	13 340	16 632	20 549	25 172	-	-	-	-
20	9 456	12 103	15 237	18 941	23 293	28 377	34 271	-	-
30	-	-	13 650	17 085	21 112	25 813	31 268	37 559	44 766
40	-	-	-	15 027	18 674	22 937	27 898	33 638	40 238
50	-	-	-	-	16 025	19 796	24 208	29 342	35 279
60	-	-	-	-	-	-	20 244	24 717	29 937
Power input in W	1								
10	3 386	3 498	3 611	3 738	3 890	-	-	-	-
20	4 200	4 314	4 423	4 539	4 674	4 839	5 049	-	-
30	-	-	5 514	5 606	5 710	5 839	6 005	6 219	6 495
40	-	-	-	7 081	7 142	7 221	7 331	7 482	7 689
50	-	-	-	-	9 112	9 129	9 169	9 245	9 369
60	-	-	-	-	-	-	11 663	11 651	11 680
Current consum	ption in A								
10	15.55	15.50	15.67	15.96	16.24	-	-	-	-
20	18.15	17.89	17.96	18.26	18.67	19.09	19.40	-	-
30	-	-	20.26	20.37	20.71	21.17	21.63	21.98	22.12
40	-	-	-	23.34	23.40	23.69	24.10	24.52	24.84
50	-	-	-	-	27.81	27.73	27.89	28.16	28.45
60	-	-	-	-	-	-	34.02	33.96	34.02
Mass flow in kg/l	h								
10	172	219	275	340	419	-	-	-	-
20	166	213	269	336	415	509	621	-	-
30	-	-	261	328	407	502	615	747	901
40	-	-	-	315	395	490	603	735	890
50	-	-	-	-	377	472	584	717	872
60	-	-	-	-	-	-	559	692	847
Coefficient of pe	rformance (C.O	D.P.)							
10	3.13	3.81	4.61	5.50	6.47	-	-	-	-
20	2.25	2.81	3.44	4.17	4.98	5.86	6.79	-	-
30	-	-	2.48	3.05	3.70	4.42	5.21	6.04	6.89
40	-	-	-	2.12	2.61	3.18	3.81	4.50	5.23
50	-	-	-	-	1.76	2.17	2.64	3.17	3.77
60	_	_	_	_	_	_	1.74	2.12	2.56

Nominal	performance	at to = -10	) °C, tc = 45	5°C

Cooling capacity	17 373	W
Power input	8 051	W
Current consumption	25.33	Α
Mass flow	387	kg/h
C.O.P.	2.16	

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. MLZ066T2

# Performance data at 60 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 capacity	y in W								•		
10	10 637	13 405	16 725	20 676	25 335	-	-	-	-		
20	9 373	12 025	15 174	18 901	23 288	28 409	34 335	-	-		
30	8 035	10 511	13 431	16 878	20 936	25 682	31 194	37 538	44 766		
40	-	-	11 549	14 658	18 329	22 644	27 686	33 529	40 238		
50	-	-	-	12 291	15 517	19 343	23 856	29 142	35 279		
60	-	-	-	-	12 550	15 827	19 754	24 425	29 937		
Power input in V	v										
10	3 386	3 498	3 611	3 738	3 890	-	_	_	-		
20	4 200	4 314	4 423	4 539	4 674	4 839	5 049	-	-		
30	5 318	5 422	5 514	5 606	5 710	5 839	6 005	6 219	6 495		
40	-	-	7 025	7 081	7 142	7 221	7 331	7 482	7 689		
50	-	-	-	9 107	9 112	9 129	9 169	9 245	9 369		
60	-	-	-	-	11 763	11 705	11 663	11 651	11 680		
		I	I	1		I					
Current consum	ption in A	1	1	T	_	1	1	1	1		
10	15.55	15.50	15.67	15.96	16.24	-	-	-	-		
20	18.15	17.89	17.96	18.26	18.67	19.09	19.40	-	-		
30	21.17	20.49	20.26	20.37	20.71	21.17	21.63	21.98	22.12		
40	-	-	23.63	23.34	23.40	23.69	24.10	24.52	24.84		
50	-	-	-	28.23	27.81	27.73	27.89	28.16	28.45		
60	-	-	-	-	34.98	34.33	34.02	33.96	34.02		
Mass flow in kg/	h										
10	204	255	313	381	459	_	-	-	-		
20	196	248	307	376	455	548	653	-	-		
30	186	238	298	367	447	540	646	767	901		
40	-	-	284	353	433	527	634	755	890		
50	-	-	-	333	414	507	615	737	872		
60	-	-	-	-	388	481	588	710	847		
L				1				1			
Coefficient of pe	erformance (C.C	D.P.)							•		
10	3.14	3.83	4.63	5.53	6.51	-	-	-	-		
20	2.23	2.79	3.43	4.16	4.98	5.87	6.80	-	-		
30	1.51	1.94	2.44	3.01	3.67	4.40	5.20	6.04	6.89		
40	-	-	1.64	2.07	2.57	3.14	3.78	4.48	5.23		
50	-	-	-	1.35	1.70	2.12	2.60	3.15	3.77		
60	_	-	-	-	1.07	1.35	1.69	2.10	2.56		

Mass flow	
C.O.P.	

Cooling capacity

Current consumption

Power input

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

16 945

8 051

25.33

424

2.10

W

W

kg/h

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	29.7	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. MLZ066T2

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

**R449A** 

Cond. temp. in	Evaporating temperature in °C (to)									
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10	
Cooling capacity	in W									
10	8 652	10 902	13 602	16 818	20 618	-	-	-	-	
20	7 752	9 926	12 502	15 544	19 122	23 300	28 146	-	-	
30	-	-	11 211	14 028	17 331	21 186	25 660	30 820	36 732	
40	-	-	-	12 324	15 301	18 781	22 832	27 519	32 909	
50	-	-	-	-	13 084	16 138	19 713	23 876	28 694	
60	-	-	-	-	-	-	16 360	19 947	24 140	
Power input in W	ı	_								
10	2 794	2 863	2 930	2 998	3 071	-		-	-	
20	3 526	3 593	3 661	3 733	3 813	3 905	4 012	-	-	
30	-	-	4 611	4 666	4 731	4 811	4 909	5 028	5 172	
40	-	-	-	5 938	5 967	6 013	6 080	6 171	6 291	
50	-	-	-	-	7 663	7 653	7 667	7 709	7 782	
60	-	-	-	-	-	-	9 814	9 784	9 788	
Current consum	ption in A									
10	18.95	18.90	18.93	19.05	19.21	-	-	-	-	
20	20.07	20.05	20.13	20.28	20.48	20.71	20.96	-	-	
30	-	-	21.84	21.98	22.18	22.40	22.64	22.87	23.07	
40	-	-	-	24.65	24.78	24.96	25.14	25.32	25.47	
50	-	-	-	-	28.78	28.86	28.94	29.02	29.07	
60	-	-	-	-	-	-	34.52	34.45	34.36	
Mass flow in kg/l	h									
10	141	179	224	278	343	-	-	-	-	
20	136	175	221	275	341	418	510	-	-	
30	-	-	214	269	334	412	504	613	739	
40	-	-	-	259	323	401	493	602	728	
50	-	-	-	-	308	384	476	583	709	
60	-	-	-	-	-	-	452	558	683	
•			•			•			•	
Coefficient of pe	rformance (C.C	D.P.)								
10	3.10	3.81	4.64	5.61	6.71	-	-	-	-	
20	2.20	2.76	3.42	4.16	5.01	5.97	7.02	-	-	
30	-	-	2.43	3.01	3.66	4.40	5.23	6.13	7.10	
40	-	-	-	2.08	2.56	3.12	3.76	4.46	5.23	
50	-	_	-	-	1.71	2.11	2.57	3.10	3.69	
60	-	_	-	_	-	_	1.67	2.04	2.47	

Nominal performa	nce at to = -10	°C, tc = 45 °C

Cooling capacity	14 212	W
Power input	6 748	W
Current consumption	26.58	Α
Mass flow	316	kg/h
C.O.P.	2.11	

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

ſ	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. MLZ066T2

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

**R449A** 

Cond. temp. in				Evapora	iting temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacit	y in W			_					
10	8 668	10 935	13 657	16 901	20 731	-	-	-	-
20	7 664	9 841	12 427	15 490	19 096	23 308	28 183	-	-
30	6 580	8 612	11 007	13 835	17 164	21 059	25 584	30 794	36 732
40	-	-	9 457	11 996	14 994	18 519	22 640	27 419	32 909
50	-	-	-	10 031	12 644	15 746	19 408	23 703	28 694
60	-	-	-	-	10 173	12 796	15 945	19 700	24 140
Power input in \	N								,
10	2 794	2 863	2 930	2 998	3 071	-	-	-	-
20	3 526	3 593	3 661	3 733	3 813	3 905	4 012	-	-
30	4 523	4 565	4 611	4 666	4 731	4 811	4 909	5 028	5 172
40	-	-	5 924	5 938	5 967	6 013	6 080	6 171	6 291
50	-	-	-	7 694	7 663	7 653	7 667	7 709	7 782
60	-	-	-	-	9 963	9 875	9 814	9 784	9 788
Current consum	ption in A								
10	18.95	18.90	18.93	19.05	19.21	-	-	-	-
20	20.07	20.05	20.13	20.28	20.48	20.71	20.96	-	-
30	21.81	21.78	21.84	21.98	22.18	22.40	22.64	22.87	23.07
40	-	-	24.56	24.65	24.78	24.96	25.14	25.32	25.47
50	-	-	-	28.74	28.78	28.86	28.94	29.02	29.07
60	-	-	-	-	34.65	34.58	34.52	34.45	34.36
Mass flow in kg	/h								
10	166	208	256	312	376	-	-	-	-
20	161	203	252	308	374	450	536	-	-
30	153	196	244	301	367	443	531	629	739
40	-	-	233	289	355	431	519	618	728
50	-	-	-	273	338	413	500	599	709
60	-	-	-	-	315	389	475	573	683
Coefficient of pe	erformance (C.C	).P.)							
10	3.10	3.82	4.66	5.64	6.75	-	-	-	-
20	2.17	2.74	3.39	4.15	5.01	5.97	7.03	-	-
30	1.45	1.89	2.39	2.97	3.63	4.38	5.21	6.12	7.10
40	-	-	1.60	2.02	2.51	3.08	3.72	4.44	5.23
50	-	-	-	1.30	1.65	2.06	2.53	3.07	3.69
60	-	-	-	-	1.02	1.30	1.62	2.01	2.47
Į.		•	•	•	•	•	•	•	•

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

13 838

6 748

26.58 347

2.05

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. MLZ066T2

# 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	10 593	13 340	16 632	20 549	25 172	-	-	-	-
20	9 456	12 103	15 237	18 941	23 293	28 377	34 271	-	-
30	-	-	13 650	17 085	21 112	25 813	31 268	37 559	44 766
40	-	-	-	15 027	18 674	22 937	27 898	33 638	40 238
50	-	-	-	-	16 025	19 796	24 208	29 342	35 279
60	-	-	-	-	-	-	20 244	24 717	29 937
ower input in W		1	T	1	,	T	T	1	
10	3 386	3 498	3 611	3 738	3 890	-	-	-	-
20	4 200	4 314	4 423	4 539	4 674	4 839	5 049	-	-
30	-	-	5 514	5 606	5 710	5 839	6 005	6 219	6 495
40	-	-	-	7 081	7 142	7 221	7 331	7 482	7 689
50	-	-	-	-	9 112	9 129	9 169	9 245	9 369
60	-	-	-	-	-	-	11 663	11 651	11 680
urrent consum	ption in A								
10	15.55	15.50	15.67	15.96	16.24	-	-	-	-
20	18.15	17.89	17.96	18.26	18.67	19.09	19.40	_	-
30	-	-	20.26	20.37	20.71	21.17	21.63	21.98	22.12
40	-	-	-	23.34	23.40	23.69	24.10	24.52	24.84
50	-	-	-	-	27.81	27.73	27.89	28.16	28.45
60	-	-	-	-	-	-	34.02	33.96	34.02
•		•	•	•	•	•	•	•	•
lass flow in kg/l	h								
10	175	223	279	346	425	-	-	-	-
20	169	217	274	341	422	518	632	-	-
30	-	-	265	333	415	511	626	761	918
40	-	-	-	321	403	500	615	750	908
50	-	-	-	-	385	482	597	732	891
60	-	-	-	-	-	-	572	707	865
•									
Coefficient of pe	rformance (C.C	).P.)							_
10	3.13	3.81	4.61	5.50	6.47	-	-	-	-
20	2.25	2.81	3.44	4.17	4.98	5.86	6.79	-	-
30	-	-	2.48	3.05	3.70	4.42	5.21	6.04	6.89
40	-	-	-	2.12	2.61	3.18	3.81	4.50	5.23
50	-	-	-	-	1.76	2.17	2.64	3.17	3.77
00	•						4.74	0.40	0.50

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

Cooling capacity	17 373	W
Power input	8 051	W
Current consumption	25.33	Α
Mass flow	394	kg/h
C.O.P.	2.16	

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)

2.12

2.56

1.74

Sound power data

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



Scroll compressor. MLZ066T2

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

**R449A** 

Cond. temp. in				Evapora	iting temperature	in °C (to)			
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	y in W								
10	10 613	13 381	16 700	20 651	25 311	-	-	-	-
20	9 349	11 998	15 146	18 874	23 262	28 386	34 317	-	-
30	8 011	10 484	13 402	16 849	20 908	25 658	31 175	37 527	44 766
40	-	-	11 518	14 627	18 299	22 617	27 664	33 516	40 238
50	-	-	-	12 259	15 486	19 315	23 834	29 129	35 279
60	-	-	-	-	12 518	15 798	19 730	24 411	29 937
Power input in V	v								
10	3 386	3 498	3 611	3 738	3 890	-	-	-	-
20	4 200	4 314	4 423	4 539	4 674	4 839	5 049	-	-
30	5 318	5 422	5 514	5 606	5 710	5 839	6 005	6 219	6 495
40	-	-	7 025	7 081	7 142	7 221	7 331	7 482	7 689
50	-	-	-	9 107	9 112	9 129	9 169	9 245	9 369
60	-	-	-	-	11 763	11 705	11 663	11 651	11 680
Current consum	-	T	T		<u> </u>			T	T
10	15.55	15.50	15.67	15.96	16.24	-	-	-	-
20	18.15	17.89	17.96	18.26	18.67	19.09	19.40	-	-
30	21.17	20.49	20.26	20.37	20.71	21.17	21.63	21.98	22.12
40	-	-	23.63	23.34	23.40	23.69	24.10	24.52	24.84
50	-	-	-	28.23	27.81	27.73	27.89	28.16	28.45
60	-	-	-	-	34.98	34.33	34.02	33.96	34.02
Mass flow in kg/	/h								
10	207	259	318	387	467	-	-	-	-
20	200	252	312	382	463	557	664	-	-
30	190	242	303	373	455	550	658	781	918
40	-	-	289	360	442	537	647	770	908
50	-	-	-	340	422	518	628	752	891
60	-	-	-	-	396	491	601	726	865
Coefficient of pe	erformance (C.C	).P.)							
10	3.13	3.83	4.62	5.52	6.51	-	-	-	-
20	2.23	2.78	3.42	4.16	4.98	5.87	6.80	-	-
30	1.51	1.93	2.43	3.01	3.66	4.39	5.19	6.03	6.89
40	-	-	1.64	2.07	2.56	3.13	3.77	4.48	5.23
50	-	-	-	1.35	1.70	2.12	2.60	3.15	3.77
		+		+	1	+	+	t	1

Daniel Santa		
Power input		

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

Cooling capacity	16 915	W
Power input	8 051	W
Current consumption	25.33	Α
Mass flow	433	kg/h
C.O.P.	2.10	

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	29.7	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. MLZ066T2

# 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	y in W	<b>.</b>	1	ı	•	1	•	•	•		
10	9 911	12 329	15 211	18 610	22 577	-	-	-	-		
20	8 787	11 134	13 892	17 112	20 847	25 148	30 066	-	-		
30	-	9 792	12 359	15 334	18 769	22 717	27 228	32 354	38 149		
40	-	-	10 647	13 311	16 381	19 909	23 946	28 544	33 756		
50	-	-	-	-	13 718	16 760	20 257	24 261	28 824		
60	-	-	-	-	-	13 306	16 197	19 540	23 389		
Power input in V	v										
10	3 070	3 128	3 174	3 225	3 300	-	_	_	_		
20	3 831	3 926	3 987	4 032	4 078	4 145	4 248	-	-		
30	-	4 901	4 994	5 049	5 085	5 119	5 169	5 254	5 389		
40	-	-	6 255	6 337	6 379	6 398	6 411	6 438	6 494		
50	-	-	-	-	8 019	8 039	8 033	8 018	8 013		
60	-	-	-	-	-	10 105	10 095	10 056	10 004		
<b></b>			•	1.0	1.	<b>.</b>	1.	•	•		
Current consum	ption in A										
10	19.01	18.96	18.99	19.10	19.29	-	-	-	-		
20	20.39	20.44	20.53	20.65	20.81	21.00	21.23	-	-		
30	-	22.03	22.20	22.37	22.53	22.68	22.82	22.96	23.09		
40	-	-	24.44	24.69	24.88	25.02	25.11	25.15	25.14		
50	-	-	-	-	28.30	28.47	28.54	28.51	28.39		
60	-	-	-	-	-	33.45	33.53	33.48	33.28		
Mass flow in kg/	h										
10	199	252	312	383	467	-	_	_	_		
20	193	247	309	382	467	568	687	_	_		
30	-	238	301	375	462	564	684	824	987		
40	-	-	288	363	450	553	674	815	979		
50	_	_	-	-	431	534	656	797	961		
60	-	-	_	-	-	507	628	769	933		
		ı	1	1	I.		1				
Coefficient of pe	erformance (C.C	D.P.)									
10	3.23	3.94	4.79	5.77	6.84	-	-	-	-		
20	2.29	2.84	3.48	4.24	5.11	6.07	7.08	-	-		
30	-	2.00	2.47	3.04	3.69	4.44	5.27	6.16	7.08		
40	-	-	1.70	2.10	2.57	3.11	3.73	4.43	5.20		
50	-	-	-	-	1.71	2.08	2.52	3.03	3.60		
60	-	-	-	-	-	1.32	1.60	1.94	2.34		

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

Cooling capacity	15 081	W
Power input	7 152	W
Current consumption	26.43	Α
Mass flow	442	kg/h
C.O.P.	2.11	

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. MLZ066T2

# 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	, in W									
10	9 591	12 002	14 893	18 321	22 339	-	-	-	-	
20	8 340	10 657	13 406	16 644	20 427	24 807	29 834	-	-	
30	7 021	9 174	11 711	14 689	18 167	22 203	26 849	32 153	38 149	
40	5 674	7 594	9 849	12 499	15 603	19 224	23 421	28 249	33 756	
50	-	-	7 863	10 115	12 776	15 912	19 588	23 871	28 824	
60	-	-	-	-	9 717	12 296	15 380	19 050	23 389	
Power input in W	v									
10	3 070	3 128	3 174	3 225	3 300	_	_	_	-	
20	3 831	3 926	3 987	4 032	4 078	4 145	4 248	-	-	
30	4 754	4 901	4 994	5 049	5 085	5 119	5 169	5 254	5 389	
40	5 898	6 114	6 255	6 337	6 379	6 398	6 411	6 438	6 494	
50	-	-	7 830	7 955	8 019	8 039	8 033	8 018	8 013	
60	-	-	-	-	10 067	10 105	10 095	10 056	10 004	
			Ш	1	•	•	1			
Current consum	ption in A	1	1	T		T	T	1		
10	19.01	18.96	18.99	19.10	19.29	-	-	-	-	
20	20.39	20.44	20.53	20.65	20.81	21.00	21.23	-	-	
30	21.85	22.03	22.20	22.37	22.53	22.68	22.82	22.96	23.09	
40	23.80	24.15	24.44	24.69	24.88	25.02	25.11	25.15	25.14	
50	-	-	27.69	28.04	28.30	28.47	28.54	28.51	28.39	
60	-	-	-	-	33.23	33.45	33.53	33.48	33.28	
Mass flow in kg/	h									
10	237	293	357	430	514	-	-	-	-	
20	229	288	354	428	514	612	724	-	-	
30	218	278	345	421	508	608	721	848	987	
40	201	262	330	407	495	596	710	838	979	
50	-	-	308	385	474	576	691	819	961	
60	-	-	-	-	445	546	662	791	933	
			1	•		•	•	•		
Coefficient of pe		T '	1 400	F 00	0			1		
10	3.12	3.84	4.69	5.68	6.77			-	-	
20	2.18	2.71	3.36	4.13	5.01	5.99	7.02	-	-	
30	1.48	1.87	2.35	2.91	3.57	4.34	5.19	6.12	7.08	
40	0.96	1.24	1.57	1.97	2.45	3.00	3.65	4.39	5.20	
50	-	-	1.00	1.27	1.59	1.98	2.44	2.98	3.60	
60	-	-	-	-	0.97	1.22	1.52	1.89	2.34	
Nominal perform	nance at to = -1	0 °C, tc = 45 °C				Pressure switch	settings			
		. ,			Г					

Cooling capacity Power input

Mass flow

Current consumption

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

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

14 220

7 152

26.43

486 1.99 W

W

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. MLZ066T2

# 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								_
10	11 899	14 827	18 364	22 581	27 547	-	-	-	-
20	10 694	13 487	16 811	20 735	25 329	30 665	36 811	-	-
30	-	12 064	15 106	18 669	22 823	27 641	33 190	39 541	46 761
40	-	-	13 274	16 408	20 055	24 285	29 170	34 779	41 181
50	-	-	-	-	17 049	20 625	24 777	29 576	35 092
60	-	-	-	-	-	16 686	20 038	23 960	28 525
Power input in V	v								
10	3 529	3 600	3 686	3 810	3 997	-	-	_	_
20	4 475	4 570	4 647	4 731	4 845	5 013	5 259	_	-
30	_	5 754	5 857	5 934	6 010	6 107	6 251	6 464	6 771
40	-	-	7 350	7 454	7 525	7 586	7 661	7 774	7 949
50	_	_	-	_	9 424	9 482	9 523	9 569	9 645
60	_	_	_	-	-	11 832	11 871	11 884	11 896
		-1		1	1	1	1		
Current consum	ption in A								
10	18.79	18.16	17.80	17.72	17.94	-	-	-	-
20	19.59	19.34	19.22	19.25	19.43	19.77	20.28	-	-
30	-	20.76	21.01	21.27	21.53	21.80	22.11	22.45	22.84
40	-	-	23.31	23.91	24.38	24.72	24.94	25.06	25.09
50	-	-	-	-	28.12	28.65	28.92	28.94	28.73
60	-	-	-	-	-	33.74	34.18	34.23	33.90
Mass flow in kg/	h								
10	239	303	377	465	570	_	_	_	_
20	235	299	374	463	568	693	841	_	_
30	-	293	368	457	562	687	834	1 008	1 209
40	<u>-</u>	-	359	447	551	675	821	993	1 193
50		-	-	-	536	658	802	972	1 170
60		_	-	_	-	635	777	944	1 139
00		II.	I	II.		000		011	1 100
Coefficient of pe	rformance (C.O	).P.)							
10	3.37	4.12	4.98	5.93	6.89	-	-	-	-
20	2.39	2.95	3.62	4.38	5.23	6.12	7.00	-	-
30	-	2.10	2.58	3.15	3.80	4.53	5.31	6.12	6.91
40	-	-	1.81	2.20	2.67	3.20	3.81	4.47	5.18
50	-	-	-	-	1.81	2.18	2.60	3.09	3.64
60	-	-	-	-	-	1.41	1.69	2.02	2.40

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

Cooling capacity	18 580	W
Power input	8 424	W
Current consumption	26.13	Α
Mass flow	544	kg/h
C.O.P.	2.21	

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. MLZ066T2

# Performance data at 60 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	11 514	14 434	17 981	22 230	27 256	-	-	-	-	
20	10 149	12 909	16 223	20 167	24 819	30 250	36 527	-	-	
30	8 773	11 303	14 313	17 883	22 091	27 015	32 728	39 295	46 761	
40	7 407	9 640	12 279	15 407	19 103	23 450	28 530	34 419	41 181	
50	-	-	10 143	12 762	15 879	19 582	23 959	29 101	35 092	
60	-	-	-	-	12 427	15 419	19 028	23 359	28 525	
Power input in V	v									
10	3 529	3 600	3 686	3 810	3 997	-	-	-	-	
20	4 475	4 570	4 647	4 731	4 845	5 013	5 259	-	-	
30	5 603	5 754	5 857	5 934	6 010	6 107	6 251	6 464	6 771	
40	6 946	7 188	7 350	7 454	7 525	7 586	7 661	7 774	7 949	
50	-	-	9 160	9 325	9 424	9 482	9 523	9 569	9 645	
60	-	-	-	-	11 743	11 832	11 871	11 884	11 896	
Current consum	•	T	1	1	1			Г	1	
10	18.79	18.16	17.80	17.72	17.94	-	-	-	-	
20	19.59	19.34	19.22	19.25	19.43	19.77	20.28	-	-	
30	20.50	20.76	21.01	21.27	21.53	21.80	22.11	22.45	22.84	
40	21.66	22.56	23.31	23.91	24.38	24.72	24.94	25.06	25.09	
50	-	-	26.24	27.32	28.12	28.65	28.92	28.94	28.73	
60	-	-	-	-	32.89	33.74	34.18	34.23	33.90	
Mass flow in kg/	'h									
10	284	353	431	522	627	-	-	-	-	
20	279	349	428	519	625	747	886	-	-	
30	272	342	421	512	618	740	879	1 036	1 209	
40	264	333	411	502	606	727	865	1 021	1 193	
50	-	-	398	487	590	709	845	999	1 170	
60	-	-	-	-	568	685	818	970	1 139	
Coefficient of pe	erformance (C.O	J.P.)								
10	3.26	4.01	4.88	5.83	6.82	-	-	-	-	
20	2.27	2.82	3.49	4.26	5.12	6.03	6.95	-	-	
30	1.57	1.96	2.44	3.01	3.68	4.42	5.24	6.08	6.91	
40	1.07	1.34	1.67	2.07	2.54	3.09	3.72	4.43	5.18	
50	-	-	1.11	1.37	1.68	2.07	2.52	3.04	3.64	
50		1								

Cooling capacity	17 519	W
Power input	8 424	W
Current consumption	26.13	Α
Mass flow	598	kg/h
C.O.P.	2.08	

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)