ENGINEERING TOMORROW



Datasheets

Danfoss scroll compressors SM / SY / SZ / SH / WSH



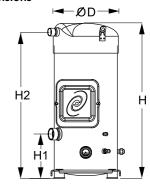


Datasheet, technical data

General Characteristics

Model number (on compressor nameplate)	SM160T4RC	SM160T4CC	
Code number for Singlepack*	SM160-4RAI	SM160-4CBI	
Code number for Industrial pack**	SM160-4RAM	SM160-4CBM	
Drawing number	8551120b	8551055c	
Suction and discharge connections	Rotolock	Brazed	
Suction connection	2-1/4 " Rotolock	1-5/8 " ODF	
Discharge connection	1-3/4 " Rotolock	1-1/8 " ODF	
Suction connection with supplied sleeve	1-3/8 " ODF		
Discharge connection with supplied sleeve	7/8 " ODF		
Oil sight glass	Threaded	Threaded	
Oil equalisation connection	3/8" flare SAE	3/8" flare SAE	
Oil drain connection	1/4" flare	1/4" flare	
LP gauge port	Schrader	Schrader	
IPR valve	None	None	
Swept volume	216.6 c	m3/rev	
Displacement @ Nominal speed	37.7 m3/h @ 2900 rpm - 45.5 m3/h @ 3500 rpm		
Net weight	90 kg		
Oil charge	4 litre, Mineral - 160P		
Maximum system test pressure Low Side / High side	25 bar(g) / 32 bar(g)		
Maximum differential test pressure	24 bar		
Maximum number of starts per hour	1	12	
Refrigerant charge limit	12.5	12.5 kg	
Approved refrigerants	R22, R417	R22, R417A-160SZ	

Dimensions



D=266 mm H=631 mm H1=180 mm H2=596 mm H3=- mm

Electrical Characteristics

Nominal voltage	380-400V/3/50Hz - 460V/3/60Hz
Voltage range	340-440 V @ 50Hz - 414-506 V @ 60Hz
Winding resistance (between phases) +/- 7% at 25°C	0.94 Ω
Maximum Must Trip current (MMT)	29 A
Locked Rotor Amps (LRA)	150 A
Motor protection	Internal thermostat, ext. overload protector needed

Recommended Installation torques

Suction Rotolock nut or valve	130 Nm
Discharge Rotolock nut or valve	110 Nm
Oil sight glass	50 Nm
Power connections / Earth connection	3 Nm / 2 Nm
Terminal box cover screws	2.3 Nm
Mounting bolts	21 Nm

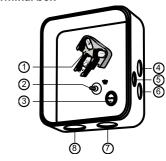
Parts shipped with compressor

Mounting kit with grommets, bolts, nuts, sleeves and washers
Initial oil charge
Installation instructions

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

*Singlepack: Compressor in cardboard box

Terminal box



IP54 (with cable gland)

- 1: Power connection, 3 x 4.8 mm (3/16")
- 2: Earth M5
- 3: Thermostat connector
- 4: Knock-out Ø 22 mm (7/8") for 1/2" conduit
- 5: Knock-out Ø 16.5 mm (0.65")
- 6: Knock-out Ø 20.5 mm (0.81")
- 7: Double knock-out Ø 32.1 mm (1.26") & Ø 25.4 mm (1")
- 8: Double knock-out Ø 44 mm (1-3/4") for 1-1/4" conduit & Ø 34 mm (1-3/8") for 1" conduit

^{**}Industrial pack: 6 Unboxed compressors on pallet (order per multiples of 6)



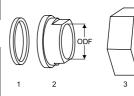
Datasheet, accessories and spare parts

Available for after sales service only, SM160-4

Rotolock accessories, suction side	Code no.
Solder sleeve, P08 (2-1/4" Rotolock, 1-3/8" ODF)	8153005
Solder sleeve, P03 (2-1/4" Rotolock, 1-5/8" ODF)	8153006
Rotolock valve, V08 (2-1/4" Rotolock, 1-3/8" ODF)	8168025
Rotolock valve, V03 (2-1/4" Rotolock, 1-5/8" ODF)	8168026
Gasket, 2-1/4"	8156133

Rotolock accessories, discharge side Code no. Solder sleeve, P07 (1-3/4" Rotolock, 7/8" ODF) 8153013 8153004 Solder sleeve, P02 (1-3/4" Rotolock, 1-1/8" ODF) Angle adapter, C07 (1-3/4" Rotolock, 7/8" ODF) 8168008 Angle adapter, C02 (1-3/4" Rotolock, 1-1/8" ODF) 8168005 Rotolock valve, V07 (1-3/4" Rotolock, 7/8" ODF) 8168032 Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF) 8168028

Gaskets, sleeves and nuts



1: Gasket
2: Solder sleeve
3: Rotolock nut

8156132

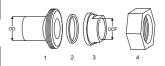
Code no.

Rotolock accessories, sets

Gasket, 1-3/4"

Solder sleeve adapter set, (2-1/4" Rotolock, 1-5/8" ODF), (1-3/4" Rotolock, 1"1/8 ODF)	7765028
Valve set, V08 (2-1/4"~1-3/8"), V07 (1-3/4"~7/8")	7703010
Gasket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black & white	8156013

Solder sleeve adapter set



Oil / lubricants	Code no.
Mineral oil, 160P, 2 litre can	7754001
Mineral oil 160P 5 litre can	7754002

Crankcase heaters	Code no.
Surface sump heater + bottom insulation, 48 W, 24 V, CE mark, UL	120Z0363
Surface sump heater + bottom insulation, 48 W, 230 V, CE mark, UL	120Z0384
Surface sump heater + bottom insulation, 48 W, 400 V, CE mark, UL	120Z0385
Surface sump heater + bottom insulation, 48 W, 460 V, CE mark, UL	120Z0386
Belt type crankcase heater, 65 W, 460 V, CE mark, UL	120Z0466
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	7773107
Belt type crankcase heater, 65 W, 400 V, CE mark, UL	7773117
Belt type crankcase heater, 65 W, 400 V, CE mark, UL	120Z0039

1: Rotolock adapter (Suc & Dis)

2: Gasket (Suc & Dis)

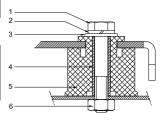
3: Solder sleeve (Suc & Dis)

4: Rotolock nut (Suc & Dis)

Miscellaneous accessories

Miscellaneous accessories	cessories Code no.	
Electronic soft start kit, MCI 25 C	7705007	
Acoustic hood for scroll compressor \$160	7755008	
Bottom insulation for scroll compressor	120Z0357	
Discharge thermostat kit	7750009	

Mounting kit



Spare p	parts	Code no.
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8156138
8156147
8156019
8156129
8156139
8173021

1: Bolt (4x) 2: Lock washer (4x) 3: Flat washer (4x) 4: Sleeve (4x)

5: Grommet (4x) 6: Nut (4x)



Available for after sales service only. SM160-4

Performance data at 50 Hz, EN 12900 rating conditions

R22

	Cond. temp. in	d. temp. in Evaporating temperature in °C (to)								
15 15 15 15 16 15 16 15 16 15 16 15 16 15 16 16	°C (tc)	-20	-15	-10	-5	0	5	10	15	
30										
35			1		1		1	1		
40		15 338	19 243			35 065		49 619	58 275	-
45	35	14 593	18 420	22 868	27 997	33 864	40 529	48 049	56 483	-
So	40	13 756	17 489	21 820	26 807	32 510	38 985	46 293	54 490	-
55	45	-	16 435	20 633	25 464	30 986	37 257	44 335	52 279	-
	50	-	-	19 294	23 952	29 277	35 327	42 160	49 834	-
Cover Input in W	55	-	-	-	22 258	27 370	33 183	39 753	47 140	-
	60	-	-	-	-	25 250	30 808	37 099	44 180	-
30	65	-	-	-	-	22 904	28 189	34 181	40 939	-
30	Power input in V	v								
35			7 025	7 111	7 203	7 299	7 398	7 500	7 604	-
40 8 389 8 464 8 544 8 628 8 714 8 803 8 892 8 983 - 4 45 - 9 338 9 413 9 492 9 573 9 655 9 738 9 821 50 - 10 398 10 471 10 546 10 622 10 697 10 772 - 555 12 874 12 935 12 994 13 050 50 12 874 12 935 12 994 13 050 50 12 874 12 935 12 994 13 050 50 12 874 12 935 12 994 13 050 50 14 2 479 14 301 14 351 14 398 - Surrent consumption in A 30 13.79 13.88 13.97 14.07 14.16 14.24 14.32 14.39 - 35 14 62 14.71 14.80 14.90 14.99 15.07 15.15 15.22 - 40 15.59 15.68 15.77 15.87 15.96 16.04 16.12 16.18 - 45 16.81 16.90 16.99 17.08 17.16 17.24 17.31 - 50 18.21 18.30 18.38 18.46 18.54 18.60 - 555 19.79 19.87 19.95 20.02 20.09 - 60 19.79 19.87 19.95 20.02 20.09 - 60 19.79 19.87 19.95 20.02 23.68 - Mass flow in kg/h 30 330 409 499 602 718 848 993 1155 - 35 326 407 498 602 718 848 993 1163 - 35 326 407 498 602 718 848 997 1163 - 35 326 407 488 602 719 850 997 1161 - 40 321 402 495 600 718 851 999 1163 - 45 - 395 489 595 714 848 997 1163 - 50										-
45 - 9 338			+		+		1			-
50									1	
S55 - - - 11 575 11 643 11 711 11 779 11 845 -	1									
Current consumption in A 30						1				-
Current consumption in A		-		_	-		1	1	1	_
Surrent consumption in A 30		_		_	_	1				_
30	00		1	1	1	11210	11001	11001	11000	
30	Current consum	ntion in A								
35			13.88	13.97	14.07	14.16	14.24	14.32	14.39	_
40										_
45										
50								1		
19.79	1		i e						1	
60 21.57 21.64 21.71 21.78 - 65 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.48 23.56 23.62 23.68 23.62 23.68 23.48 23.56 23.62 23.68 23.62 23.68 23.48 23.56 23.62 23.68 23.68 23.62 23.68 23.62 23.68 23.68 23.62 23.68 23.68 23.60 23				1			1			
Mass flow in kg/h					1					
Mass flow in kg/h 30 330 409 499 602 718 848 993 1155 - 35 326 407 498 602 719 850 997 1161 - 40 321 402 495 600 718 851 999 1163 - 45 45 - 395 489 595 714 848 997 1163 - 45 45 - 479 586 706 841 991 1158 - 479 586 706 841 991 1158 - 479 586 706 841 991 1158 - 479 586 706 841 991 1158 - 479 586 706 841 991 1158 - 479 586 706 841 991 1158 - 479 785										
30	00		1			20.40	20.00	20.02	20.00	
30	Mass flow in kg/	'h								
35 326 407 498 602 719 850 997 1 161 - 40 321 402 495 600 718 851 999 1 163 - 45 - 395 489 595 714 848 997 1 163 - 50 - - 479 586 706 841 991 1 158 - 55 - - - 572 693 829 980 1 147 - 60 - - - - 674 810 962 1 131 - 65 - - - - 647 785 937 1 106 - Coefficient of performance (C.O.P.) 30 2.21 2.74 3.35 4.03 4.80 5.66 6.62 7.66 - 35 1.92 2.39 2.94 3.56 4.25 5.03 <td></td> <td></td> <td>400</td> <td>499</td> <td>602</td> <td>718</td> <td>848</td> <td>993</td> <td>1 155</td> <td>_</td>			400	499	602	718	848	993	1 155	_
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45 - 395 489 595 714 848 997 1 163 - 50 - - 479 586 706 841 991 1 158 - 55 - - - 572 693 829 980 1 147 - 60 - - - - 674 810 962 1 131 - 65 - - - - 647 785 937 1 106 - Soefficient of performance (C.O.P.) 30 2.21 2.74 3.35 4.03 4.80 5.66 6.62 7.66 - 35 1.92 2.39 2.94 3.56 4.25 5.03 5.90 6.85 - 40 1.64 2.07 2.55 3.11 3.73 4.43 5.21 6.07 - 45 - 1.76 2.19 2.68 3.24 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>ł</td><td></td><td></td></t<>								ł		
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60 1.96 2.38 2.86 3.39 -			+							
65 - - - 1.61 1.97 2.38 2.84 -						1	-			
	65	-	-	-	-	1.61	1.97	2.38	2.84	-
lominal performance at to = 5 °C, tc = 50 °C Pressure switch settings	Saaliaa aaaaaib.		25.22	7 \\/			Massinas IID assis		20	In/

Cooling capacity Power input 10 622 W Current consumption 18.46 Mass flow 841 kg/h C.O.P. 3.33

35 327

W

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

Maximum HP switch setting	28	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1.3	bar(g)

Sound power data

Sound power level	79.5	dB(A)
With accoustic hood	72	dB(A)

All performance data +/- 5%

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to: Evaporating temperature at dew point

tc: Condensing temperature at dew point



Available for after sales service only. SM160-4

Performance data at 50 Hz, ARI rating conditions

R22

Cond. temp. in Evaporating temperature in °C (to)									
°C (tc)	-20	-15	-10	-5	0	5	10	15	
Cooling capacity	in W								
30	16 276	20 405	25 211	30 756	37 100	44 304	52 429	61 535	
35	15 541	19 599	24 312	29 741	35 946	42 988	50 928	59 827	
40	14 707	18 680	23 285	28 582	34 633	41 499	49 239	57 915	
45	-	17 632	22 113	27 264	33 146	39 819	49 239	55 782	
50		17 032	20 781	25 770	31 467	37 932	45 227	53 412	
55		-	-	24 083	29 580	35 823	42 872	50 788	
	-	-			ł			t	-
60	-	-	-	-	27 469 25 116	33 473 30 868	40 262	47 894	-
65	-	-	-	-	25 116	30 000	37 380	44 714	-
ower input in W	ı			1	1		1		
30	6 945	7 025	7 111	7 203	7 299	7 398	7 500	7 604	-
35	7 619	7 697	7 780	7 868	7 959	8 053	8 150	8 247	-
40	8 389	8 464	8 544	8 628	8 714	8 803	8 892	8 983	-
45	-	9 338	9 413	9 492	9 573	9 655	9 738	9 821	-
50	-	-	10 398	10 471	10 546	10 622	10 697	10 772	-
55	-	-	-	11 575	11 643	11 711	11 779	11 845	-
60	-	-	-	-	12 874	12 935	12 994	13 050	-
65	-	-	-	-	14 249	14 301	14 351	14 398	-
					•				
Current consum				1	T		1	T T	
30	13.79	13.88	13.97	14.07	14.16	14.24	14.32	14.39	-
35	14.62	14.71	14.80	14.90	14.99	15.07	15.15	15.22	-
40	15.59	15.68	15.77	15.87	15.96	16.04	16.12	16.18	-
45	-	16.81	16.90	16.99	17.08	17.16	17.24	17.31	-
50	-	-	18.21	18.30	18.38	18.46	18.54	18.60	-
55	-	-	-	19.79	19.87	19.95	20.02	20.09	-
60	-	-	-	-	21.57	21.64	21.71	21.78	-
65	-	-	-	-	23.48	23.56	23.62	23.68	-
Mass flow in kg/h	n								
30	328	407	497	599	714	843	988	1 149	
35	325	404	495	599	714	846	992	1 154	
40	319	400	492	597	713	846	993	1 157	
45	-	393	492	597	714	843	993	1 157	
50		- 393	476	583	710	836	985	1 151	
55		-	-		689	824	905	1	
	-	-	-	569		806	974	1 141	<u> </u>
60					670	1		1 124	
65	-	-	-	-	644	780	932	1 100	-
coefficient of per	rformance (C.O	.P.)	_	1	1	_	1		
30	2.34	2.90	3.55	4.27	5.08	5.99	6.99	8.09	-
35	2.04	2.55	3.12	3.78	4.52	5.34	6.25	7.25	-
40	1.75	2.21	2.73	3.31	3.97	4.71	5.54	6.45	-
45	-	1.89	2.35	2.87	3.46	4.12	4.86	5.68	-
50	-	-	2.00	2.46	2.98	3.57	4.23	4.96	-
55	-	-	-	2.08	2.54	3.06	3.64	4.29	-
60	-	-	-	-	2.13	2.59	3.10	3.67	-
65	-	-	-	-	1.76	2.16	2.60	3.11	-

Nominal performance at to = 7.2 °C, tc = 54.4 °C

monimum portormando at to	0,	04.4 0	
Cooling capacity		39 100	W
Power input		11 604	W
Current consumption		19.80	Α
Mass flow		890	kg/h
C.O.P.		3.37	

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	28	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1.3	bar(g)

Sound power data

Sound power level	79.5	dB(A)
With accoustic hood	72	dB(A)

All performance data +/- 5%

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tc: Condensing temperature at dew point



Available for after sales service only. SM160-4

Performance data at 60 Hz, EN 12900 rating conditions

R22

Cond. temp. in	p. in Evaporating temperature in °C (to)								
°C (tc)	-20	-15	-10	-5	0	5	10	15	
Cooling consel	ne in M	•	•	•	•	•		•	
Cooling capacit		00.074	00.000	05.574	40.005	54.057	00.000	70.040	
30	18 904	23 674	29 209	35 574	42 835	51 057	60 306	70 646	-
35	18 074	22 736	28 135	34 336	41 404	49 403	58 399	68 458	-
40	17 134	21 671	26 915	32 932	39 788	47 545	56 271	66 029	-
45	-	20 463	25 534	31 350	37 973	45 471	53 906	63 344	-
50	-	-	23 980	29 574	35 947	43 164	51 290	60 388	-
55	-	-	-	27 592	33 695	40 613	48 408	57 146	-
60	-	-	-	-	31 205	37 802	45 247	53 603	-
65	-	-	-	-	28 462	34 718	41 790	49 742	-
Power input in \	w								
30	8 377	8 548	8 716	8 876	9 024	9 156	9 268	9 355	-
35	9 198	9 369	9 538	9 698	9 848	9 981	10 094	10 182	-
40	10 114	10 286	10 455	10 617	10 767	10 901	11 015	11 105	-
45	-	11 307	11 477	11 639	11 790	11 926	12 041	12 132	-
50	-	-	12 611	12 774	12 927	13 063	13 180	13 273	_
55	_	_	011	14 031	14 185	14 323	14 441	14 536	_
60	-	-	-	-	15 573	15 712	15 832	15 928	_
65	-	-	_	-	17 100	17 241	17 363	17 461	
03					17 100	17 241	17 303	17 401	
Current consum	nption in A								
30	13.33	13.54	13.74	13.93	14.10	14.24	14.35	14.42	-
35	14.18	14.39	14.59	14.79	14.96	15.11	15.23	15.31	-
40	15.18	15.39	15.60	15.80	15.98	16.14	16.27	16.36	-
45	-	16.57	16.78	16.99	17.18	17.34	17.48	17.59	-
50	-	_	18.15	18.37	18.57	18.74	18.89	19.01	_
55	-	_	-	19.96	20.17	20.36	20.52	20.65	-
60	-	-	-	-	22.00	22.20	22.37	22.52	-
65	_	_	_	-	24.07	24.29	24.47	24.63	-
	п-								
Mass flow in kg		500	640	707	070	1.022	1 207	1 404	
30	407	503	613	737	876	1 033	1 207	1 401	-
35	405	502	613	738	879	1 037	1 212	1 407	-
40	400	499	610	737	879	1 038	1 214	1 410	-
45	-	492	605	732	875	1 035	1 212	1 409	-
50	-	-	595	723	867	1 027	1 206	1 403	-
55	-	-	-	709	853	1 014	1 193	1 391	-
60	-	-	-	-	833	994	1 173	1 371	-
65	-	-	-	-	805	966	1 146	1 344	-
Coefficient of p	erformance (C.C).P.)	1	1	T	1	T	T	
30	2.26	2.77	3.35	4.01	4.75	5.58	6.51	7.55	
35	1.97	2.43	2.95	3.54	4.20	4.95	5.79	6.72	-
40	1.69	2.11	2.57	3.10	3.70	4.36	5.11	5.95	-
45	-	1.81	2.22	2.69	3.22	3.81	4.48	5.22	-
50	-	-	1.90	2.32	2.78	3.30	3.89	4.55	-
55	-	-	-	1.97	2.38	2.84	3.35	3.93	-
60	-	-	-	-	2.00	2.41	2.86	3.37	-
			+	+	t	+	+	t	

Nominal performance at to = 5 °C, tc = 50 °C

porrormanos ar to	,	
Cooling capacity	43 164	W
Power input	13 063	W
Current consumption	18.74	Α
Mass flow	1 027	kg/h
C.O.P.	3.30	

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	28	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1.3	bar(g)

Sound power data

Sound power level	84	dB(A)
With accoustic hood	76	dB(A)

All performance data +/- 5%

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tc: Condensing temperature at dew point



Available for after sales service only. SM160-4

Performance data at 60 Hz, ARI rating conditions

R22

Cond. temp. in	Evaporating temperature in °C (to)								
°C (tc)	-20	-15	-10	-5	0	5	10	15	
Cooling capacity	in W								
30	20 061	25 103	30 948	37 666	45 322	53 984	63 721	74 599	
35	19 247	24 192	29 911	36 474	43 948	52 401	61 899	72 511	
40	18 319	23 147	28 722	35 113	42 387	50 611	59 852	70 179	
45	-	21 953	27 366	33 566	40 621	48 598	57 565	67 589	
50	-	21955	25 827	31 818	38 636	46 348	55 021	64 724	-
55		-	-	29 854	36 416	43 844	52 206	61 569	
60	<u>-</u>	_	_	-	33 946	41 073	49 104	58 109	
65		-	-	-	31 211	38 017	45 701	54 329	
00					31211	30 017	40701	0+ 0 2 5	
ower input in W	ı			T					
30	8 377	8 548	8 716	8 876	9 024	9 156	9 268	9 355	-
35	9 198	9 369	9 538	9 698	9 848	9 981	10 094	10 182	-
40	10 114	10 286	10 455	10 617	10 767	10 901	11 015	11 105	-
45	-	11 307	11 477	11 639	11 790	11 926	12 041	12 132	-
50	-	-	12 611	12 774	12 927	13 063	13 180	13 273	-
55	-	-	-	14 031	14 185	14 323	14 441	14 536	-
60	-	-	-	-	15 573	15 712	15 832	15 928	-
65	-	-	-	-	17 100	17 241	17 363	17 461	-
current consum		T	1	1	T	T	1		
30	13.33	13.54	13.74	13.93	14.10	14.24	14.35	14.42	-
35	14.18	14.39	14.59	14.79	14.96	15.11	15.23	15.31	-
40	15.18	15.39	15.60	15.80	15.98	16.14	16.27	16.36	-
45	-	16.57	16.78	16.99	17.18	17.34	17.48	17.59	-
50	-	-	18.15	18.37	18.57	18.74	18.89	19.01	-
55	-	-	-	19.96	20.17	20.36	20.52	20.65	-
60	-	-	-	-	22.00	22.20	22.37	22.52	-
65	-	-	-	-	24.07	24.29	24.47	24.63	-
/lass flow in kg/l	h								
30	405	501	609	733	872	1 027	1 200	1 393	_
35	403	499	610	734	874	1 031	1 205	1 399	_
40	398	496	607	733	874	1 032	1 208	1 402	_
45	-	489	602	728	871	1 029	1 206	1 401	_
50	_	-	592	719	862	1 022	1 199	1 395	_
55		-	-	705	849	1 009	1 186	1 383	_
60		_	-	-	828	989	1 167	1 363	
65		-	_	-	800	961	1 139	1 336	
<u> </u>		I	1	1			. 700	. 200	
Coefficient of pe	,	T '	1 .	Т .	1 _	_	T _	T T	
30	2.39	2.94	3.55	4.24	5.02	5.90	6.88	7.97	-
35	2.09	2.58	3.14	3.76	4.46	5.25	6.13	7.12	-
40	1.81	2.25	2.75	3.31	3.94	4.64	5.43	6.32	-
45	-	1.94	2.38	2.88	3.45	4.08	4.78	5.57	-
50	-	-	2.05	2.49	2.99	3.55	4.17	4.88	-
55	-	-	-	2.13	2.57	3.06	3.62	4.24	-
60	-	-	-	-	2.18	2.61	3.10	3.65	-
65	-	-	-	-	1.83	2.21	2.63	3.11	-

Nominal performance at to = 7.2 °C, tc = 54.4 °C

rionina poriormanos at to	0,	U-1T U	
Cooling capacity		47 735	W
Power input		14 220	W
Current consumption		20.22	Α
Mass flow		1 086	kg/h
C.O.P.		3.36	

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	28	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1.3	bar(g)

Sound power data

Sound power level	84	dB(A)
With accoustic hood	76	dB(A)

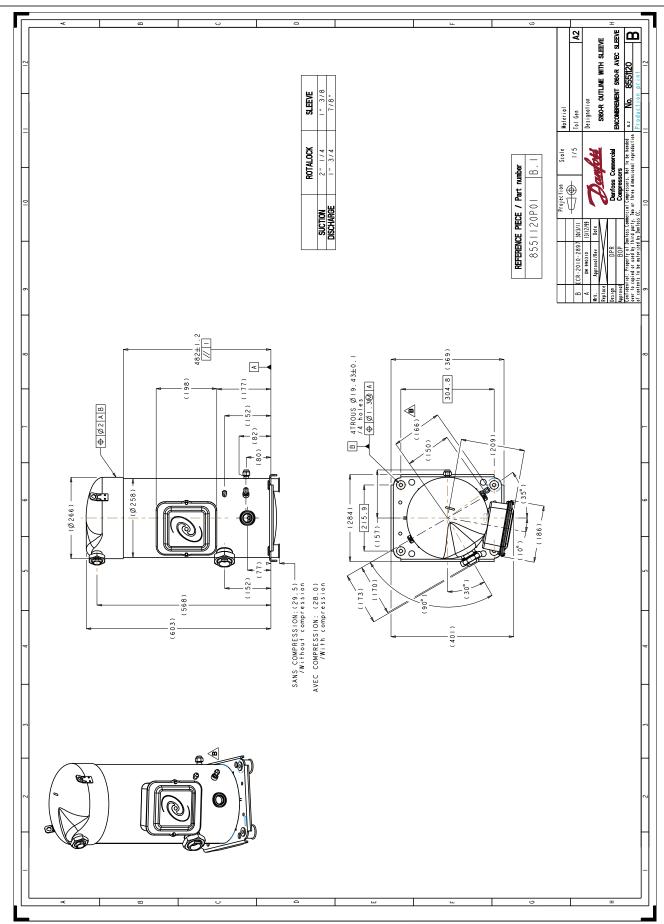
All performance data +/- 5%

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tc: Condensing temperature at dew point



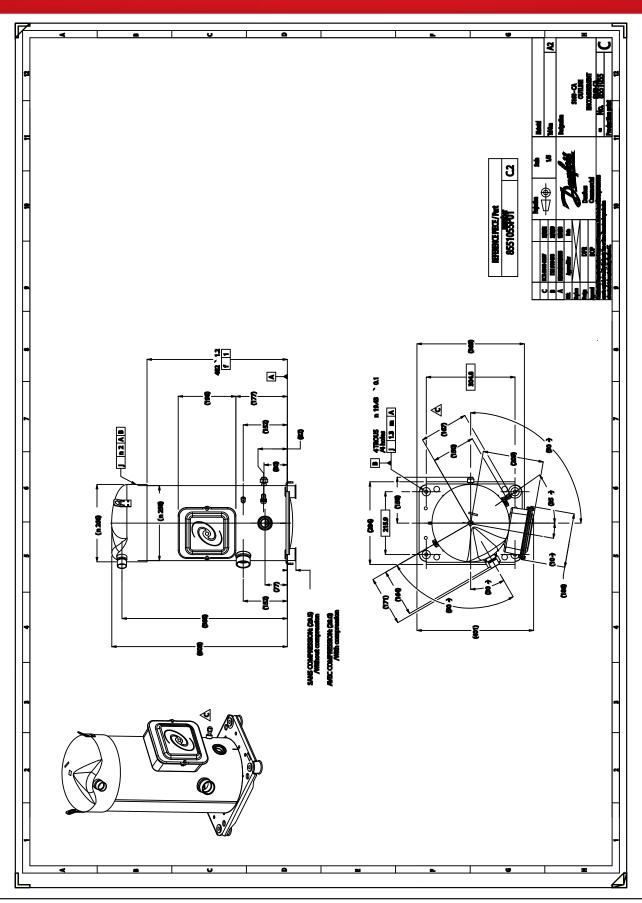
Datasheet, drawing Scroll compressor



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