

NW 84

TERMO SCHIESSL Sp. z o.o.

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FRIO
Robert Pórola

SHGX4/555-4 SL

Refrigerant R407C

VAP 2006 a



Capacity data

Motor	380-420V Y/YY 50Hz	Compressor refrigeration capacity	38.32 kW
Frequency	50 Hz	Evaporator refrigeration capacity	36.25 kW
Evaporation temperature	6.0 °C	Power consumption	12.35 kW
Condensing temperature	48.2 °C	Current consumption	23.10 A
Air inlet temperature	32.0 °C	Coefficient of performance (COP)	3.10
Subcooling	0 K	Condensing capacity	50.65 kW
Suction gas temperature	20 °C	Mass flow	0.241 kg/s
Superheat (evaporator)	5 K		

tech. data

Number of cylinders / Bore / Stroke	4 / 60 mm / 49 mm
Displacement 50/60 Hz (1450/1740 1/min)	48,20 / 57,80 m³/h
Voltage 2)	380-420 V Y/YY - 3 - 50 Hz PW 440-480 V Y/YY - 3 - 60 Hz PW
Winding divided into	66% / 33%
Max. working current 1)	34 A
Max. power consumption 1)	15,2 kW
Motor protection	MP10
Protection terminal box	IP 54
Weight	157,0 kg
Max. permissible pressure HP	28 bar
Connection suction line SV	35 mm - 1 3/8 "
Connection discharge line DV	28 mm - 1 1/8 "
Lubrication	Oil pump
Oil type R134a, R404A, R407C, R507	FUCHS Reniso Triton SE 55

Subject to change without notice

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Oil type R22 (R12, R502)	FUCHS Reniso SP 46
Oil charge	3,4 Ltr.
Oil sump heater	230 V - 1 - 50/60 Hz, 80 W
Dimensions Length / Width / Height	685 / 370 / 410 mm

Performance data table

Refrigerant	Frequency	R407C									
		Subcooling Suction gas temperature									
		0 K 20 °C									
tie	to [°C]	-7.0	-9.0	-11.0	-13.0	-15.0	-17.0	-19.0	-21.0	-23.0	-25.0
27	Qo [W]	25858	23885	22003	20210	18504	16883	15348	13893	12517	11217
	P [kW]	9.20	8.84	8.49	8.13	7.78	7.42	7.05	6.69	6.32	5.94
	tc [°C]	38.3	37.5	36.8	36.2	35.5	34.9	34.3	33.7	33.1	32.6
32	Qo [W]	24155	22291	20510	18809	17190	15649	14183	12790	11468	10213
	P [kW]	9.65	9.25	8.84	8.44	8.03	7.63	7.21	6.80	6.38	5.95
	tc [°C]	42.8	42.1	41.4	40.7	40.1	39.5	38.9	38.3	37.7	37.2
43	Qo [W]	20299	18678	17124	15634	14207	12840	11530	10275	9073	7918
	P [kW]	10.59	10.06	9.54	9.01	8.48	7.95	7.41	6.87	6.32	5.76
	tc [°C]	53.1	52.4	51.8	51.1	50.5	49.8	49.2	48.6	48.1	47.5