

N90

TERMO SCHIESSL Sp. z o.o.

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FRIO
Robert Pótroła

SHGX4/650-4 SL

Refrigerant R407C

VAP 2006 a



Capacity data

Motor	380-420V Y/YY 50Hz	Compressor refrigeration capacity	43.22 kW
Frequency	50 Hz	Evaporator refrigeration capacity	40.85 kW
Evaporation temperature	6.0 °C	Power consumption	15.73 kW
Condensing temperature	50.9 °C	Current consumption	27.99 A
Air inlet temperature	32.0 °C	Coefficient of performance (COP)	2.75
Subcooling	0 K	Condensing capacity	58.95 kW
Suction gas temperature	20 °C	Mass flow	0.280 kg/s
Superheat (evaporator)	5 K		

tech. data

Number of cylinders / Bore / Stroke	4 / 65 mm / 49 mm
Displacement 50/60 Hz (1450/1740 1/min)	56,60 / 67,90 m³/h
Voltage 3)	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 2)	34 A
Max. power consumption 2)	18,4 kW
Motor protection	MP10
Protection terminal box	IP 54
Weight	331,0 kg
Max. permissible pressure HP	28 bar
Connection suction line SV	42 mm - 1 5/8 "
Connection Liqjud outlet line FLA	22 mm - 7/8 "
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 of unit Length / Width / Height	1220 / 790 / 1305 mm
Number fan motors	4
Voltage	230 V - 1 - 50/60 Hz
Current / capacity	4 x 2.80 A / 480 W
Air flow 50/60 Hz	13400 / 15200 m ³ /h
Receiver content	23,00 Ltr.
Max. refrigerant charge R134a 1)	25,2 kg
R404A / R507 1)	22,2 kg
R407C 1)	23,9 kg
R22 1)	25,1 kg
Volume condenser	19,3 Ltr.

Performance data table

Refrigerant	Frequency	R407C									
		Subcooling									
		Suction gas temperature									
		0 K									
		20 °C									
t _{le} [°C]	t _o [°C]										
		10.0	8.0	6.0	4.0	2.0	0.0	-2.0	-4.0	-6.0	-8.0
27	Q _o [W]	51939	49042	46217	43469	40800	38213	35713	33294	30969	28732
	P [kW]	16.01	15.40	14.81	14.23	13.66	13.11	12.57	12.04	11.52	11.02
	t _c [°C]	48.7	47.6	46.5	45.5	44.4	43.4	42.5	41.5	40.6	39.8
32	Q _o [W]	48556	45854	43220	40657	38167	35753	33414	31156	28977	26880
	P [kW]	17.02	16.37	15.73	15.11	14.50	13.90	13.32	12.75	12.18	11.63
	t _c [°C]	53.0	52.0	50.9	49.9	48.9	47.9	47.0	46.1	45.2	44.4
43	Q _o [W]			36565	34399	32293	30246	28259	26333	24467	22662
	P [kW]			17.70	16.98	16.27	15.57	14.87	14.19	13.52	12.86
	t _c [°C]			60.8	59.9	58.9	58.0	57.2	56.3	55.5	54.7