



Technical data

Separating Hood Compressor 4-ELEA-0.7

Operating point:

Refrigerant:	R22
Evaporating temperature [°C]	-10
Suction gas temperature [°C]	20
Evaporator superheat [K]	7
Condensing temperature [°C]	35
Liquid subcooling [K]	0
Refrigerating capacity [kW]	1,779
Refrigerating capacity* [kW]	1,779
Evaporator capacity [kW]	1,622
Power input [kW]	0,8127
Condenser capacity [kW]	2,591
Operating frequency [Hz]	50
Current input [A]	4,02
Mass flow [kg/s]	0,009917
COP [-]	2,19

Compound compressor:

Number (4-ELEA-0.7):	1
Refrigerating capacity [kW]	1,779
Evaporator capacity [kW]	1,622
Power input [kW]	0,8127
Condenser capacity [kW]	2,591
*) related to 20°C suction gas temperature, without liquid subcooling -> Compound compressors require additional cooling!	

Mechanical data:

Length	350 mm
Width	305 mm
Height	390 mm
Weight	32,5 kg
Number of cylinders	2
Stroke	18 mm
Bore	40 mm
Swept volume	45,24 cm ³
Displacement (50Hz)	3,94 ml/h
Displacement (50Hz)	4,73 ml/h
Maximum operating overpressure (HP)	23 bar
Maximum operating overpressure (LP)	18 bar
Suction line (SL)	5/8"
Discharge line (DL)	1/2"
Oil charge	0,5 l

Electrical data:

Electrical supply:	E: 230V 50Hz
Nominal power consumption	0,55 kW
Nominal power consumption	0,75 PS
Cooling	air cooled
Power consumption	10 W



AHL - Kälteanlagen GmbH

FRIGOPOL Selection Programme

Version 1.2.1 / © 2001: Frigopol GmbH, Austria

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2011-04-07

Max. working current (rotor blocked)



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	20 A
Max. working current	5,8 A
Working capacitor	16 μ F
Starting capacitor	50 μ F
Stacklength of the stator	60 mm
Lubricant:	
Oil type	RENISO SP 46