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Login

Summary of	Bosch Compress 7000 LW 38	Reg. No.	011-1W0154
Certificate Holder			
Name	Bosch Thermotechnik GmbH		
Address	Junkersstraße 20 - 24	Zip	73249
City	Wernau	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	Bosch Compress 7000 LW 38		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	6.3 kg		

Model: Bosch Compress 7000 LW 38

Configure model	
Model name	Bosch Compress 7000 LW 38
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	38.70 kW	38.71 kW
El input	8.64 kW	12.63 kW
COP	4.48	3.06

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	203 %	163 %
Prated	37.00 kW	36.00 kW
SCOP	5.27	4.27
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	32.73 kW	31.85 kW
COP Tj = -7°C	4.74	3.37
Pdh Tj = +2°C	20.29 kW	20.53 kW
COP Tj = +2°C	5.38	4.38
Pdh Tj = +7°C	20.24 kW	20.47 kW
COP Tj = +7°C	5.49	4.65
Pdh Tj = 12°C	20.19 kW	20.42 kW
COP Tj = 12°C	5.54	4.92
Pdh Tj = Tbiv	38.70 kW	38.71 kW
COP Tj = Tbiv	4.48	3.06

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	38.70 kW	38.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.48	3.06
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	68 °C	68 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	14502 kWh	17434 kWh