Subtype Bosch Compress 7000 LW 22	
Certificate Holder	Bosch Thermotechnik GmbH
Address	Junkersstraße 20 - 24
ZIP	73249
City	Wernau
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Bosch Compress 7000 LW 22
Registration number	011-1W0152
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	4.5 kg
Certification Date	09.10.2017

Model Compress 7000 LW 22	
Model name	Compress 7000 LW 22
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	No

Brine/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	198 %	153 %
Prated	22.9 kW	23.28 kW
SCOP	5.14	4.02
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	20.26 kW	20.59 kW
COP Tj = -7°C	4.75	3.27
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	11.78 kW	11.79 kW
COP Tj = +2°C	5.52	4.3
Cdh Tj = +2 °C	0.99	1.00
Pdh Tj = +7°C	11.76 kW	11.78 kW
COP Tj = +7°C	5.71	4.66
Cdh Tj = +7 °C	0.99	1.00
Pdh Tj = 12°C	11.75 kW	11.77 kW
COP Tj = 12°C	5.85	5.22
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	22.9 kW	23.28 kW
COP Tj = Tbiv	4.57	3.01

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	22.90 kW	23.28 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.57	3.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	68 °C	68 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	9208 kWh	11952 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	212 %	163 %
Prated	18.00 kW	19.00 kW
SCOP	5.51	4.29
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	11.78 kW	11.8 kW
COP Tj = -7°C	5.52	4.09
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	11.77 kW	11.79 kW
COP Tj = +2°C	5.63	4.48
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	11.75 kW	11.78 kW
COP Tj = +7°C	5.76	4.96
Cdh Tj = +7 °C	0.99	1.00
Pdh Tj = 12°C	11.76 kW	11.76 kW
COP Tj = 12°C	5.76	5.40
Cdh Tj = +12 °C	0.99	1.00
Pdh Tj = Tbiv	18 kW	19 kW
COP Tj = Tbiv	4.7	3.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18 kW	19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.7	3.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00

WTOL	68 °C	68 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0 kW
Annual energy consumption Qhe	8056 kWh	10927 kWh
Cdh Tj = -15 °C	1.00	1.00

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	208 %	158 %
Prated	18.00 kW	18.00 kW
SCOP	5.39	4.15
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	18.00 kW	18 kW
COP Tj = +2°C	4.7	3.09
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	11.79 kW	11.8 kW
COP Tj = +7°C	5.39	3.88
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	11.76 kW	11.78 kW
COP Tj = 12°C	5.68	4.7
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	18 kW	18.00 kW
COP Tj = Tbiv	4.7	3.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18 kW	18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.7	3.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	68 °C	68 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0 kW

Annual energy consumption Qhe	4459 kWh	5791 kWh