Subtype Bosch Compress 7000 LW 72

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 72
Registration number	011-1W0158
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	10.6 kg
Certification Date	09.10.2017

Model Compress 7000 LW 72	
Model name	Compress 7000 LW 72
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	72.79 kW	73.64 kW
El input	16.47 kW	24.55 kW
COP	4.42	3

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	67 dB(A)	67 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	193 %	154 %
Prated	72.79 kW	73.64 kW
SCOP	5.02	4.06
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	64.39 kW	65.14 kW
COP Tj = -7°C	4.58	3.27
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	37.93 kW	38.32 kW
COP Tj = +2°C	5.28	4.25
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	37.86 kW	38.19 kW
COP Tj = +7°C	5.43	4.56

Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	37.79 kW	38.06 kW
COP Tj = 12°C	5.56	4.85
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	72.79 kW	73.64 kW
COP Tj = Tbiv	4.42	3.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	72.79 kW	73.64 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.42	3.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	68 °C	68 °C
Poff	9 W	9 W
PTO	9 W	9 W
PSB	9 W	9 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	29945 kWh	37487 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	67 dB(A)	67 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	204 %	161 %
Prated	63.00 kW	63.00 kW
SCOP	5.29	4.24
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	37.93 kW	38.4 kW
COP Tj = -7°C	5.28	4.06
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	37.87 kW	38.25 kW
COP Tj = +2°C	5.4	4.43
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	37.82 kW	38.11 kW
COP Tj = +7°C	5.5	4.73
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	37.83 kW	38.03 kW
COP Tj = 12°C	5.49	5.00
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	63 kW	63 kW
COP Tj = Tbiv	4.51	3.07

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	63 kW	63 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.51	3.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	68 °C	68 °C
Poff	9 W	9 W
PTO	9 W	9 W
PSB	9 W	9 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	29342 kWh	36659 kWh
Cdh Tj = -15 °C	1.00	1.00

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	67 dB(A)	67 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	201 %	157 %
Prated	59.00 kW	60.00 kW
SCOP	5.23	4.13
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	59.00 kW	60 kW
COP Tj = +2°C	4.54	3.08
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	37.99 kW	38.46 kW
COP Tj = +7°C	5.17	3.88
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	37.87 kW	38.18 kW
COP Tj = 12°C	5.42	4.59
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	59 kW	60.00 kW
COP Tj = Tbiv	4.54	3.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	59 kW	60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.54	3.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	68 °C	68 °C
Poff	9 W	9 W

PTO	9 W	9 W
PSB	9 W	9 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	15068 kWh	19392 kWh