

Subtype Bosch Compress 7000 LW 64

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 64
Registration number	011-1W0157
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	9.3 kg
Certification Date	09.10.2017

Model Compress 7000 LW 64

Model name	Compress 7000 LW 64
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	63.73 kW	64.59 kW
El input	14.26 kW	21.67 kW
COP	4.47	2.98

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
η_s	198 %	155 %
Prated	63.73 kW	64.59 kW
SCOP	5.14	4.08
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	56.38 kW	57.14 kW
COP Tj = -7°C	4.64	3.26
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	33.56 kW	33.86 kW
COP Tj = +2°C	5.36	4.26
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	33.50 kW	33.75 kW
COP Tj = +7°C	5.51	4.57

Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	33.44 kW	33.64 kW
COP Tj = 12°C	5.64	4.85
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	63.73 kW	64.59 kW
COP Tj = Tbiv	4.47	2.98
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	63.73 kW	64.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.47	2.98
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	25592 kWh	32669 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	207 %	162 %
Prated	55.00 kW	56.00 kW
SCOP	5.38	4.24
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	33.56 kW	33.93 kW
COP Tj = -7°C	5.36	4.07
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	33.51 kW	33.79 kW
COP Tj = +2°C	5.48	4.44
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	33.47 kW	33.68 kW
COP Tj = +7°C	5.58	4.74
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	33.47 kW	33.61 kW
COP Tj = 12°C	5.57	4.95
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	55 kW	56 kW
COP Tj = Tbiv	4.56	3.05

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	55 kW	56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.56	3.05
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	25214 kWh	32547 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
η_s	204 %	158 %
Prated	52.00 kW	53.00 kW
SCOP	5.30	4.14
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	52.00 kW	53 kW
COP Tj = +2°C	4.59	3.07
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	33.6 kW	34 kW
COP Tj = +7°C	5.24	3.89
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	33.5 kW	33.73 kW
COP Tj = 12°C	5.50	4.59
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	52 kW	53.00 kW
COP Tj = Tbiv	4.59	3.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	52 kW	53 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.59	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 Q _{he}	13107 kWh	17097 kWh