

Subtype Bosch Compress 6000 10 LW

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 6000 10 LW
Registration number	011-1W0174
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	2.4 kg
Certification Date	17.11.2017
Testing laboratory	Universität Stuttgart, Prüfstelle HLK am Institut für Gebäudeenergetik, Thermotechnik und Energiespeicherung (IGTE), DE

**Model Compress 6000 10 LW**

Model name	Compress 6000 10 LW
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	10.08 kW	9.37 kW
EI input	2.18 kW	3.2 kW
COP	4.63	2.93

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	191 %	141 %
Prated	11 kW	11 kW
SCOP	4.97	3.72
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.1 kW	9.46 kW
COP Tj = -7°C	4.72	3.14
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	10.17 kW	9.69 kW
COP Tj = +2°C	4.96	3.71
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	10.24 kW	9.84 kW
COP Tj = +7°C	5.21	4.11

Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	10.31 kW	9.98 kW
COP Tj = 12°C	5.49	4.55
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.1 kW	9.5 kW
COP Tj = Tbiv	4.72	3.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.08 kW	9.37 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.63	2.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	62 °C	62 °C
Poff	6 W	6 W
PTO	6 W	6 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.92 kW	1.63 kW
Annual energy consumption Qhe	4570 kWh	6110 kWh

**EN 12102-1 | Colder Climate**

	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)

**EN 14825 | Colder Climate**

	Low temperature	Medium temperature
ηs	196 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	5.09	3.81
Tbiv	-18 °C	-16 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	10.18 kW	9.65 kW
COP Tj = -7°C	5.01	3.59
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	10.24 kW	9.81 kW
COP Tj = +2°C	5.23	4.03
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	10.29 kW	9.94 kW
COP Tj = +7°C	5.41	4.41
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	10.3 kW	10.04 kW
COP Tj = 12°C	5.45	4.72
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.11 kW	9.5 kW
COP Tj = Tbiv	4.76	3.23

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.08 kW	9.37 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.63	2.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	62 °C	62 °C
Poff	6 W	6 W
PTO	6 W	6 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.92 kW	1.63 kW
Annual energy consumption Qhe	5322 kWh	7111 kWh
Cdh Tj = -15 °C	1.00	1.00

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
ηs	192 %	141 %
Prated	11.00 kW	11.00 kW
SCOP	5.01	3.73
Tbiv	4 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.08 kW	9.37 kW
COP Tj = +2°C	4.63	2.93
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	10.15 kW	9.59 kW
COP Tj = +7°C	4.91	3.45
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	10.26 kW	9.89 kW
COP Tj = 12°C	5.30	4.25
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.11 kW	9.48 kW
COP Tj = Tbiv	4.77	3.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.08 kW	9.37 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.63	2.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	62 °C	62 °C
Poff	6 W	6 W

PTO	6 W	6 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.92 kW	1.63 kW
Annual energy consumption Qhe	2935 kWh	3936 kWh