

Subtype Bosch Compress 6000 17 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 17 LW
Registration number	011-1W0176
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	2.8 kg
Certification Date	17.11.2017

Model Compress 6000 17 LW

Model name	Compress 6000 17 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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	179 %	135 %
Prated	19 kW	18 kW
SCOP	4.66	3.58
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	17.14 kW	16 kW
COP Tj = -7°C	4.42	3.05
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	17.26 kW	16.4 kW
COP Tj = +2°C	4.65	3.54
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	17.35 kW	16.63 kW
COP Tj = +7°C	4.86	3.91
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	17.43 kW	16.83 kW
COP Tj = 12°C	5.08	4.33
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	17.14 kW	16 kW
COP Tj = Tbiv	4.42	3.05

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.08 kW	15.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.32	2.87
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	1.92 kW	2.19 kW
Annual energy consumption Qhe	8417 kWh	10400 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	183 %	138 %
Prated	19.00 kW	18.00 kW
SCOP	4.77	3.66
Tbiv	-18 °C	-17 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	17.28 kW	16.32 kW
COP Tj = -7°C	4.69	3.43
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	17.36 kW	16.59 kW
COP Tj = +2°C	4.88	3.84
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	17.41 kW	16.78 kW
COP Tj = +7°C	5.02	4.20
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	17.42 kW	16.91 kW
COP Tj = 12°C	5.05	4.49
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	17.17 kW	16.03 kW
COP Tj = Tbiv	4.47	3.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.08 kW	15.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.32	2.87
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	1.92 kW	2.19 kW
Annual energy consumption Q _{he}	9817 kWh	12132 kWh
C _{dh} T _j = -15 °C	1.00	1.00

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η _s	180 %	136 %
Prated	19.00 kW	18.00 kW
SCOP	4.70	3.59
T _{biv}	4 °C	4 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	17.08 kW	15.81 kW
COP T _j = +2°C	4.32	2.87
C _{dh} T _j = +2 °C	1.00	1.00
P _{dh} T _j = +7°C	17.24 kW	16.23 kW
COP T _j = +7°C	4.6	3.31
C _{dh} T _j = +7 °C	1.00	1.00
P _{dh} T _j = 12°C	17.38 kW	16.7 kW
COP T _j = 12°C	4.94	4.05
C _{dh} T _j = +12 °C	1.00	1.00
P _{dh} T _j = T _{biv}	17.17 kW	16.02 kW
COP T _j = T _{biv}	4.47	3.07
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	17.08 kW	15.81 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	4.32	2.87
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	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	1.92 kW	2.19 kW

Annual energy consumption Q_{he}

5397 kWh

6692 kWh
