

Subtype Bosch Compress 6000 8 LWM

Certificate Holder	Bosch Thermotechnik GmbH
Address	Junkersstraße 20 - 24
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City	Wernau
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Bosch Compress 6000 8 LWM
Registration number	011-1W0170
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	1.95 kg
Certification Date	17.11.2017
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	Universität Stuttgart, Prüfstelle HLK am Institut für Gebäudeenergetik, Thermotechnik und Energiespeicherung (IGTE), DE

**Model Compress 6000 8 LWM**

Model name	Compress 6000 8 LWM
Application	Heating + DHW + low 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 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	88 %
COP	2.13
Heating up time	1:16 h:min
Standby power input	33.9 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	181 l

**EN 16147 | Colder Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	88 %
COP	2.13
Heating up time	76.4 h:min
Standby power input	33.9 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	181 l

**EN 16147 | Warmer Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	88 %
COP	2.13
Heating up time	76.4 h:min
Standby power input	33.9 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	181 l

**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	
<b>EN 14511-2   Heating</b>		
Heat output	Low temperature	Medium temperature
El input	7.45 kW	6.79 kW
COP	1.66 kW	2.35 kW
	4.49	2.89
<b>EN 12102-1   Average Climate</b>		
Sound power level indoor	Low temperature	Medium temperature
	48 dB(A)	48 dB(A)
<b>EN 14825   Average Climate</b>		
ηs	Low temperature	Medium temperature
Prated	184 %	137 %
SCOP	7 kW	8 kW
Tbiv	4.81	3.64
TOL	-10 °C	-6 °C
Pdh Tj = -7°C	-10 °C	-10 °C
COP Tj = -7°C	7.46 kW	6.91 kW
Cdh Tj = -7 °C	4.54	3.09
Pdh Tj = +2°C	1.00	1.00
COP Tj = +2°C	7.53 kW	7.14 kW
Cdh Tj = +2 °C	4.81	3.62
Pdh Tj = +7°C	1.00	1.00
COP Tj = +7°C	7.59 kW	7.27 kW
Cdh Tj = +7 °C	5.07	4.02
Pdh Tj = 12°C	1.00	1.00
COP Tj = 12°C	7.65 kW	7.38 kW
Cdh Tj = +12 °C	5.36	4.47
Pdh Tj = Tbiv	1.00	1.00
COP Tj = Tbiv	7.45 kW	6.94 kW
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.49	3.15
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	7.45 kW	6.79 kW
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.49	2.89
WTOL	1.00	1.00
Poff	62 °C	62 °C
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 kW	1.21 kW
Annual energy consumption Qhe	3007 kWh	4547 kWh
<b>EN 12102-1   Colder Climate</b>		
Sound power level indoor	Low temperature 48 dB(A)	Medium temperature 48 dB(A)
<b>EN 14825   Colder Climate</b>		
ηs	Low temperature 189 %	Medium temperature 141 %
Prated	7.00 kW	8.00 kW
SCOP	4.93	3.73
Tbiv	-22 °C	-16 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.54 kW	7.1 kW
COP Tj = -7°C	4.85	3.51
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.59 kW	7.25 kW
COP Tj = +2°C	5.09	3.94
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	7.63 kW	7.35 kW
COP Tj = +7°C	5.27	4.33
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	7.64 kW	7.42 kW
COP Tj = 12°C	5.33	4.65
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.45 kW	6.95 kW
COP Tj = Tbiv	4.49	3.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.45 kW	6.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.49	2.89
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	0.00 kW	1.21 kW
Annual energy consumption Qhe	3498 kWh	5289 kWh
Cdh Tj = -15 °C	1.00	1.00

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
<b>EN 14825   Warmer Climate</b>		
	Low temperature	Medium temperature
ηs	185 %	138 %
Prated	7.00 kW	8.00 kW
SCOP	4.83	3.65
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.45 kW	6.79 kW
COP Tj = +2°C	4.49	2.89
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	7.52 kW	7.04 kW
COP Tj = +7°C	4.75	3.37
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	7.61 kW	7.31 kW
COP Tj = 12°C	5.17	4.17
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.45 kW	6.93 kW
COP Tj = Tbiv	4.49	3.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.45 kW	6.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.49	2.89
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	0.00 kW	1.21 kW
Annual energy consumption Qhe	1936 kWh	2932 kWh