Subtype Bosch Compress 6000 8 LWM	
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 8 LWM
Registration number	011-1W0170
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	1.95 kg
Certification Date	17.11.2017

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 ηDHW	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 ηDHW	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 ηDHW	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	

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	7.45 kW	6.79 kW
El input	1.66 kW	2.35 kW
COP	4.49	2.89

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	137 %
Prated	7 kW	8 kW
SCOP	4.81	3.64
Tbiv	-10 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.46 kW	6.91 kW
COP Tj = -7°C	4.54	3.09
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.53 kW	7.14 kW
COP Tj = +2°C	4.81	3.62
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	7.59 kW	7.27 kW
COP Tj = +7°C	5.07	4.02
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	7.65 kW	7.38 kW
COP Tj = 12°C	5.36	4.47
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.45 kW	6.94 kW
COP Tj = Tbiv	4.49	3.15
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 kW	1.21 kW
Annual energy consumption Qhe	3007 kWh	4547 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	189 %	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)

EN 14825 | Warmer Climate

	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