Subtype Bosch Compress 6000 6 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 6 LWM
Registration number	011-1W0169
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	1.55 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 6 LWM	
Model name	Compress 6000 6 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	92 %
COP	2.21
Heating up time	1:45 h:min
Standby power input	37.5 W
Reference hot water temperature	47.6 °C
Mixed water at 40°C	209 l

EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	92 %
COP	2.21
Heating up time	114.7 h:min
Standby power input	37.5 W
Reference hot water temperature	47.6 °C
Mixed water at 40°C	209 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	92 %
COP	2.21
Heating up time	114.7 h:min
Standby power input	37.5 W
Reference hot water temperature	47.6 °C
Mixed water at 40°C	209 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	5.52 kW	4.94 kW
El input	1.34 kW	1.88 kW
COP	4.12	2.63

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	167 %	123 %
Prated	7 kW	6 kW
SCOP	4.38	3.27
Tbiv	-4 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.54 kW	5.02 kW
COP Tj = -7°C	4.22	2.79
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.60 kW	5.19 kW
COP Tj = +2°C	4.46	3.27
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.64 kW	5.29 kW
COP Tj = +7°C	4.67	3.62
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.69 kW	5.39 kW
COP Tj = 12°C	4.91	4.02
Cdh Tj = +12 °C	0.99	1.00
Pdh Tj = Tbiv	5.57 kW	5.06 kW
COP Tj = Tbiv	4.33	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.52 kW	4.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.63
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	1.48 kW	1.06 kW
Annual energy consumption Qhe	3305 kWh	3790 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	172 %	126 %
Prated	7.00 kW	6.00 kW
SCOP	4.49	3.35
Tbiv	-14 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.61 kW	5.15 kW
COP Tj = -7°C	4.51	3.17
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.65 kW	5.27 kW
COP Tj = +2°C	4.69	3.55
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.68 kW	5.36 kW
COP Tj = +7°C	4.84	3.90
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.68 kW	5.43 kW
COP Tj = 12°C	4.87	4.18
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.58 kW	5.06 kW
COP Tj = Tbiv	4.38	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.52 kW	4.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.63
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	1.48 kW	1.06 kW
Annual energy consumption Qhe	3841 kWh	4411 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	167 %	123 %
Prated	7.00 kW	6.00 kW
SCOP	4.39	3.27
Tbiv	5 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.52 kW	4.94 kW
COP Tj = +2°C	4.12	2.63
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.59 kW	5.11 kW
COP Tj = +7°C	4.42	3.05
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.66 kW	5.32 kW
COP Tj = 12°C	4.75	3.75
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.57 kW	5.06 kW
COP Tj = Tbiv	4.35	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.52 kW	4.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.63
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	1.48 kW	1.06 kW
Annual energy consumption Qhe	2132 kWh	2450 kWh