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Summary of	Bosch Compress 7800i LW 6 and 8	Reg. No.	011-1W0431		
Certificate Holder					
Name	Bosch Thermotechnik GmbH	Bosch Thermotechnik GmbH			
Address	Junkersstraße 20 - 24	Junkersstraße 20 - 24 Zip 73249			
City	Wernau	Country	Germany		
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH				
Subtype title	Bosch Compress 7800i LW 6 and 8				
Heat Pump Type	Brine/Water				
Refrigerant	R410A				
Mass of Refrigerant	1.35 kg				
Certification Date	08.12.2020				
Testing basis	HP KEYMARK certification scheme rules rev. 7				

Model: CS7800i LW 6 M (+MF)

Configure model		
Model name	CS7800i LW 6 M (+MF)	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	
Off-peak product	No	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.85 kW	5.24 kW	
El input	1.35 kW	1.91 kW	
СОР	4.33	2.75	

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Warmer Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	35 dB(A)	35 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	200 %	141 %
Prated	5.85 kW	5.24 kW
SCOP	5.21	3.73
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.85 kW	5.24 kW
COP Tj = +2°C	4.33	2.75
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.98 kW	3.63 kW
COP Tj = +7°C	5.14	3.47
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	2.12 kW	1.97 kW
COP Tj = 12°C	5.90	4.46
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	5.85 kW	5.24 kW

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COP Tj = Tbiv	4.33	2.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.85 kW	5.24 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.33	2.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	62 °C	62 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0 kW
Annual energy consumption Qhe	1500 kWh	1876 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	35 dB(A)	35 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	210 %	151 %





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Prated	5.85 kW	5.24 kW		
SCOP	5.44	3.99		
Tbiv	-22 °C	-22 °C		
TOL	-22 °C	-22 °C		
Pdh Tj = -7° C	3.62 kW	3.29 kW		
$COP Tj = -7^{\circ}C$	5.29	3.71		
Cdh Tj = -7 °C	0.98	0.99		
Pdh Tj = $+2$ °C	2.34 kW	1.94 kW		
$COPTj = +2^{\circ}C$	5.85	4.37		
Cdh Tj = +2 °C	0.97	0.97		
Pdh Tj = $+7^{\circ}$ C	2.13 kW	1.98 kW		
$COPTj = +7^{\circ}C$	5.86	4.69		
Cdh Tj = +7 °C	0.97	0.97		
Pdh Tj = 12°C	2.11 kW	2.00 kW		
COP Tj = 12°C	5.78	4.78		
Cdh Tj = +12 °C	0.97	0.97		
Pdh Tj = Tbiv	5.85 kW	5.24 kW		
COP Tj = Tbiv	4.33	2.75		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.85 kW	5.24 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.33	2.75		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99		
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WTOL	62 °C	62 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0 kW
Annual energy consumption Qhe	2650 kWh	3241 kWh
Cdh Tj = -15 °C	0.99	0.99

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)

EN 14825		
Low temperature	Medium temperature	
202 %	145 %	
5.85 kW	5.24 kW	
5.26	3.82	
-10 °C	-10 °C	
	Low temperature 202 % 5.85 kW 5.26	





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TOL	-10 °C	-10 °C
Pdh Tj = -7° C	5.13 kW	4.58 kW
$COPTj = -7^{\circ}C$	4.53	2.97
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2^{\circ}$ C	3.34 kW	3.04 kW
COP Tj = +2°C	5.39	3.87
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = $+7^{\circ}$ C	2.12 kW	1.97 kW
$COP Tj = +7^{\circ}C$	5.87	4.52
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	2.12 kW	1.97 kW
COP Tj = 12°C	5.91	4.57
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	5.85 kW	5.24 kW
COP Tj = Tbiv	4.33	2.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.85 kW	5.24 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.33	2.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	62 °C	62 °C
Poff	11 W	11 W
РТО	11 W	11 W
	·	•



PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	2298 kWh	2835 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	135 %	
COP	3.27	
Heating up time	1:34 h:min	
Standby power input	30.9 W	
Reference hot water temperature	47.6 °C	
Mixed water at 40°C	211	



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	135 %	
СОР	3.27	
Heating up time	1:34 h:min	
Standby power input	30.9 W	
Reference hot water temperature	47.6 °C	
Mixed water at 40°C	211	

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	135 %	
СОР	3.27	
Heating up time	1:34 h:min	
Standby power input	30.9 W	
Reference hot water temperature	47.6 °C	
Mixed water at 40°C	211	

Model: CS7800i LW 6 (+F)

Configure model		
Model name CS7800i LW 6 (+F)		
Application Heating (medium temp)		
Units Indoor		
Climate Zone Colder Climate + Warmer Climate		
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.85 kW	5.24 kW	
El input	1.35 kW	1.91 kW	
СОР	4.33	2.75	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

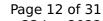
Warmer Climate



EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	36 dB(A)	36 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	200 %	141 %
Prated	5.85 kW	5.24 kW
SCOP	5.21	3.73
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.85 kW	5.24 kW
COP Tj = +2°C	4.33	2.75
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.98 kW	3.63 kW
COP Tj = +7°C	5.14	3.47
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	2.12 kW	1.97 kW
COP Tj = 12°C	5.90	4.46
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	5.85 kW	5.24 kW

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COP Tj = Tbiv 4.33 2.75 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 5.85 kW 5.24 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.33 2.75 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.99 0.99 WTOL 62 °C 62 °C Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W PCK 0 W 0 W			
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	4.33	2.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.85 kW	5.24 kW
WTOL 62 °C 62 °C Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.33	2.75
Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
PTO 11 W 11 W PSB 11 W 11 W	WTOL	62 °C	62 °C
PSB 11 W 11 W	Poff	11 W	11 W
	РТО	11 W	11 W
PCK 0 W 0 W	PSB	11 W	11 W
	PCK	0 W	0 W
Supplementary Heater: Type of energy input Electricity Electricity	Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP 0.00 kW 0 kW	Supplementary Heater: PSUP	0.00 kW	0 kW
Annual energy consumption Qhe 1500 kWh 1876 kWh	Annual energy consumption Qhe	1500 kWh	1876 kWh

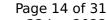
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	210 %	151 %





Prated	5.85 kW	5.24 kW
SCOP	5.44	3.99
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.62 kW	3.29 kW
COP Tj = -7°C	5.29	3.71
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	2.34 kW	1.94 kW
COP Tj = +2°C	5.85	4.37
Cdh Tj = +2 °C	0.97	0.97
Pdh Tj = $+7^{\circ}$ C	2.13 kW	1.98 kW
$COP Tj = +7^{\circ}C$	5.86	4.69
Cdh Tj = $+7$ °C	0.97	0.97
Pdh Tj = 12°C	2.11 kW	2.00 kW
COP Tj = 12°C	5.78	4.78
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	5.85 kW	5.24 kW
COP Tj = Tbiv	4.33	2.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.85 kW	5.24 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.33	2.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99





WTOL	62 °C	62 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0 kW
Annual energy consumption Qhe	2650 kWh	3241 kWh
Cdh Tj = -15 °C	0.99	0.99

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)

EN 14825		
Low temperature	Medium temperature	
202 %	145 %	
5.85 kW	5.24 kW	
5.26	3.82	
-10 °C	-10 °C	
	Low temperature 202 % 5.85 kW 5.26	



This information was gener	ated by the Hi KLIMA	NK database on 23 juli 202
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.13 kW	4.58 kW
$COP Tj = -7^{\circ}C$	4.53	2.97
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	3.34 kW	3.04 kW
COP Tj = +2°C	5.39	3.87
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = $+7^{\circ}$ C	2.12 kW	1.97 kW
$COPTj = +7^{\circ}C$	5.87	4.52
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	2.12 kW	1.97 kW
COP Tj = 12°C	5.91	4.57
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	5.85 kW	5.24 kW
COP Tj = Tbiv	4.33	2.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.85 kW	5.24 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.33	2.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	62 °C	62 °C
Poff	11 W	11 W
РТО	11 W	11 W
	•	•



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PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	2298 kWh	2835 kWh



Model: CS7800i LW 8 M (+MF)

Configure model		
Model name	CS7800i LW 8 M (+MF)	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	
Off-peak product	No	

Heating

EN 14511-2				
Low temperature Medium temperature				
Heat output	7.63 kW	6.74 kW		
El input	1.87 kW	2.57 kW		
СОР	4.08	2.62		

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

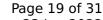
Warmer Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	36 dB(A)	36 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	202 %	144 %
Prated	7.62 kW	6.74 kW
SCOP	5.26	3.80
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.62 kW	6.74 kW
COP Tj = +2°C	4.08	2.62
Cdh Tj = +2 °C	0.99	1.00
Pdh Tj = +7°C	5.23 kW	4.15 kW
COP Tj = +7°C	5.07	3.58
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	2.67 kW	2 kW
COP Tj = 12°C	6.02	4.89
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	7.62 kW	6.74 kW

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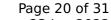




COP Tj = Tbiv	4.08	2.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.62 kW	6.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.08	2.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	1.00
WTOL	62 °C	62 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0 kW
Annual energy consumption Qhe	1935 kWh	2369 kWh

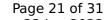
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	36 dB(A)	36 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{S}	214 %	157 %





This information was gener	ated by the HE KLIMA	NK database on 23 jun 2022
Prated	7.62 kW	6.74 kW
SCOP	5.56	4.13
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.59 kW	4.22 kW
COP Tj = -7°C	5.35	3.77
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2$ °C	3.01 kW	2.51 kW
COP Tj = +2°C	6.00	4.58
Cdh Tj = +2 °C	0.980	0.979
Pdh Tj = $+7^{\circ}$ C	2.14 kW	2.02 kW
$COPTj = +7^{\circ}C$	6.21	5.06
Cdh Tj = +7 °C	0.970	0.971
Pdh Tj = 12°C	2.11 kW	2.02 kW
COP Tj = 12°C	5.95	5.06
Cdh Tj = +12 °C	0.970	0.971
Pdh Tj = Tbiv	7.62 kW	6.74 kW
COP Tj = Tbiv	4.08	2.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.62 kW	6.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.08	2.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.996
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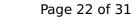




WTOL	62 °C	62 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3381 kWh	4024 kWh
Cdh Tj = -15 °C	0.99	1.00

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	36 dB(A)	36 dB(A)	

EN 14825		
Low temperature	Medium temperature	
203 %	150 %	
7.63 kW	6.74 kW	
5.28	3.95	
-10 °C	-10 °C	
	203 % 7.63 kW 5.28	





This information was genera	-	· · · · · · · · · · · · · · · · · · ·
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.06 kW	5.86 kW
$COPTj = -7^{\circ}C$	4.29	2.94
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2^{\circ}$ C	4.24 kW	3.76 kW
COP Tj = +2°C	5.37	4.01
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	2.67 kW	2.53 kW
$COPTj = +7^{\circ}C$	6	4.7
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	2.11 kW	1.99 kW
COP Tj = 12°C	6.12	4.86
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	7.63 kW	6.74 kW
COP Tj = Tbiv	4.08	2.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.63 kW	6.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.08	2.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	1.00
WTOL	62 °C	62 °C
Poff	11 W	11 W
РТО	11 W	11 W



	<u> </u>	
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Ohe	2984 kWh	3530 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
СОР	3.01
Heating up time	1:31 h:min
Standby power input	35.0 W
Reference hot water temperature	47.6 °C
Mixed water at 40°C	211



EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
СОР	3.01
Heating up time	1:31 h:min
Standby power input	35.0 W
Reference hot water temperature	47.6 °C
Mixed water at 40°C	211

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
СОР	3.01
Heating up time	1:31 h:min
Standby power input	35.0 W
Reference hot water temperature	47.6 °C
Mixed water at 40°C	211

Model: CS7800i LW 8 (+F)

Configure model		
Model name	CS7800i LW 8 (+F)	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2				
Low temperature Medium temperature				
Heat output	7.63 kW	6.74 kW		
El input	1.87 kW	2.57 kW		
СОР	4.08	2.62		

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

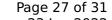
Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)

EN 14825				
Low temperature Medium temperature				
η_{s}	202 %	144 %		
Prated	7.62 kW	6.74 kW		
SCOP	5.26	3.80		
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	7.62 kW	6.74 kW		
COP Tj = +2°C	4.08	2.62		
Cdh Tj = +2 °C	0.99	1.00		
Pdh Tj = +7°C	5.23 kW	4.15 kW		
COP Tj = +7°C	5.07	3.58		
Cdh Tj = +7 °C	0.99	0.99		
Pdh Tj = 12°C	2.67 kW	2 kW		
COP Tj = 12°C	6.02	4.89		
Cdh Tj = +12 °C	0.97	0.97		
Pdh Tj = Tbiv	7.62 kW	6.74 kW		

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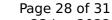




This information was generated by the HP KEYMARK database on 23 Jun 202		
COP Tj = Tbiv	4.08	2.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.62 kW	6.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.08	2.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	0.99	1.00
WTOL	62 °C	62 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0 kW
Annual energy consumption Qhe	1935 kWh	2369 kWh

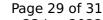
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	214 %	157 %
	-	





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Prated	7.62 kW	6.74 kW
SCOP	5.56	4.13
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.59 kW	4.22 kW
$COPTj = -7^{\circ}C$	5.35	3.77
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.01 kW	2.51 kW
COP Tj = +2°C	6.00	4.58
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.14 kW	2.02 kW
$COP Tj = +7^{\circ}C$	6.21	5.06
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	2.11 kW	2.02 kW
COP Tj = 12°C	5.95	5.06
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.62 kW	6.74 kW
COP Tj = Tbiv	4.08	2.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.62 kW	6.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.08	2.62
	0.990	1.000





WTOL	62 °C	62 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3381 kWh	4024 kWh
Cdh Tj = -15 °C	0.99	1.00

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	36 dB(A)	36 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	203 %	150 %
Prated	7.63 kW	6.74 kW
SCOP	5.28	3.95
Tbiv	-10 °C	-10 °C





This information was generated by the HP KEYMARK database on 23 Jun 20			
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.06 kW	5.86 kW	
COP Tj = -7°C	4.29	2.94	
Cdh Tj = -7 °C	0.99	0.99	
Pdh Tj = $+2$ °C	4.24 kW	3.76 kW	
COP Tj = +2°C	5.37	4.01	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7^{\circ}$ C	2.67 kW	2.53 kW	
$COP Tj = +7^{\circ}C$	6	4.7	
Cdh Tj = $+7$ °C	0.97	0.98	
Pdh Tj = 12°C	2.11 kW	1.99 kW	
COP Tj = 12°C	6.12	4.86	
Cdh Tj = +12 °C	0.97	0.97	
Pdh Tj = Tbiv	7.63 kW	6.74 kW	
COP Tj = Tbiv	4.08	2.62	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.63 kW	6.74 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.08	2.62	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	1.00	
WTOL	62 °C	62 °C	
Poff	11 W	11 W	
РТО	11 W	11 W	
	+	+	



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PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	2984 kWh	3530 kWh