Subtype CHA-07/400V

Certificate Holder	WOLF GmbH
Address	Industriestr. 1
ZIP	84048
City	Mainburg
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	CHA-07/400V
Registration number	011-1W380
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	3.1 kg
Certification Date	30.06.2020

This information was generated by the HP KEYMARK database on 25.09.2025

Model CHA-07/400V	
Model name	CHA-07/400V
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/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 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	4.50 kW	4.45 kW
El input	0.82 kW	1.39 kW
COP	5.47	3.10

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	194 %	148 %
Prated	5.59 kW	5.93 kW
SCOP	4.92	3.77
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.29 kW	5.62 kW
COP Tj = -7°C	2.95	2.22
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.20 kW	3.46 kW
COP Tj = +2°C	5.08	3.68
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.29 kW	2.25 kW

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COP Tj = +7°C	6.27	5.11
Cdh Tj = +7 °C	0.96	0.90
Pdh Tj = 12°C	2.33 kW	2.60 kW
COP Tj = 12°C	6.85	6.43
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	5.59 kW	5.93 kW
COP Tj = Tbiv	2.55	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.59 kW	5.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	1.86
WTOL	35 °C	55 °C
Poff	13 W	13 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2346 kWh	3249 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	174 %	127 %
Prated	6.16 kW	5.57 kW
SCOP	4.43	3.26
Tbiv	-17 °C	-17 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.71 kW	3.70 kW
COP Tj = -7°C	3.85	2.69
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.25 kW	2.25 kW
COP Tj = +2°C	5.28	3.95
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.33 kW	2.29 kW
COP Tj = +7°C	6.52	5.27
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	2.27 kW	2.41 kW
COP Tj = 12°C	6.83	6.27
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.35 kW	4.84 kW
COP Tj = Tbiv	2.45	1.63

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.55 kW	4.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.09	1.28
WTOL	35 °C	55 °C
Poff	13 W	13 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.61 kW	1.48 kW
Annual energy consumption Qhe	3428 kWh	4215 kWh
Pdh Tj = -15°C (if TOL	4.78	4.99
COP Tj = -15°C (if TOL	2.74	1.99
Cdh Tj = -15 °C	0.90	0.90

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	249 %	179 %
Prated	5.70 kW	5.89 kW
SCOP	6.30	4.54
Tbiv	2 °C	2 °C
TOL	-22 °C	-22 °C
Pdh Tj = +2°C	5.70 kW	5.89 kW
COP Tj = +2°C	3.85	2.43
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	3.84 kW	4.02 kW
COP Tj = +7°C	6.16	3.98
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.32 kW	2.29 kW
COP Tj = 12°C	7.17	5.77
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.70 kW	5.89 kW
COP Tj = Tbiv	3.85	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.70 kW	5.89 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.43
WTOL	35 °C	55 °C
Poff	13 W	13 W
PTO	15 W	15 W
PSB	15 W	15 W

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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1208 kWh	4215 kWh

Model CHA-07/400V + CEW-2-200 (CHC-Monoblock 07/200 ; CHC-Monoblock 07/200-35)	
Model name	CHA-07/400V + CEW-2-200 (CHC-Monoblock 07/200 ; CHC-Monoblock 07/200-35)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	129 %
COP	3.10
Heating up time	2:04 h:min
Standby power input	40.0 W
Reference hot water temperature	50.5 °C
Mixed water at 40°C	229 l
EN 16147 | Colder Climate	
Declared load profile	XL
Efficiency ηDHW	108 %
COP	2.60
Heating up time	2:03 h:min
Standby power input	47.0 W
Reference hot water temperature	50.5 °C
Mixed water at 40°C	228 l
EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	151 %
COP	3.64
Heating up time	2:01 h:min
Standby power input	36.0 W
Reference hot water temperature	50.3 °C
Mixed water at 40°C	227 l
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed

This information was generated by the HP KEYMARK database on 25.09.2025

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.50 kW	4.45 kW
El input	0.82 kW	1.39 kW
COP	5.47	3.10

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
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EN 14825 | Average Climate

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ηs	194 %	148 %
Prated	5.59 kW	5.93 kW
SCOP	4.92	3.77
Tbiv	-10 °C	-10 °C
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COP Tj = +2°C	5.08	3.68
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.29 kW	2.25 kW
COP Tj = +7°C	6.27	5.11
Cdh Tj = +7 °C	0.96	0.90
Pdh Tj = 12°C	2.33 kW	2.60 kW
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WTOL	35 °C	55 °C
Poff	13 W	13 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

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Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2346 kWh	3249 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
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Tbiv	-17 °C	-17 °C
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Pdh Tj = -7°C	3.71 kW	3.70 kW
COP Tj = -7°C	3.85	2.69
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.25 kW	2.25 kW
COP Tj = +2°C	5.28	3.95
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.33 kW	2.29 kW
COP Tj = +7°C	6.52	5.27
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	2.27 kW	2.41 kW
COP Tj = 12°C	6.83	6.27
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Pdh Tj = Tbiv	5.35 kW	4.84 kW
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WTOL	35 °C	55 °C
Poff	13 W	13 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.61 kW	1.48 kW
Annual energy consumption Qhe	3428 kWh	4215 kWh
Pdh Tj = -15°C (if TOL	4.78	4.99
COP Tj = -15°C (if TOL	2.74	1.99
Cdh Tj = -15 °C	0.90	0.90

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	249 %	179 %
Prated	5.70 kW	5.89 kW
SCOP	6.30	4.54
Tbiv	2 °C	2 °C
TOL	-22 °C	-22 °C
Pdh Tj = +2°C	5.70 kW	5.89 kW
COP Tj = +2°C	3.85	2.43
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	3.84 kW	4.02 kW
COP Tj = +7°C	6.16	3.98
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.32 kW	2.29 kW
COP Tj = 12°C	7.17	5.77
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.70 kW	5.89 kW
COP Tj = Tbiv	3.85	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.70 kW	5.89 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.43
WTOL	35 °C	55 °C
Poff	13 W	13 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1208 kWh	4215 kWh

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