Manufacturer		COOPER AND HUNTER INTERNATIONAL CORPORATION	
Model		CH-HM	
Outdoor unit model		CH-HM24IVRLA7	
Product description			
Air-to-water heat pump	yes/no	yes	
Water-to-water heat pump	yes/no	no	
Brine-to-water heat pump	yes/no	no	
Low-temperature heat pump	yes/no	no	
Equipped with a supplementary heater	yes/no	no	
Heat pump combination heater	yes/no	no	
Main specifications		**Temperature application:**	Medium temperature (55 °C)
		Climate condition:	Average
Rated heat output	P_{rated}	7,0	kW
Seasonal space heating energy efficiency	η_s	122	%
Declared COP (T_j = +7 °C)	COP_d	4.00	-
Heating water operating limit	W_{TOL}	65	°C
Capacity control	Inverter		
Rated airflow (outdoor)	-	4000	m^3/h
Sound power level (indoors/outdoors)	L_{WA}	35/58	dB
Contact details	Baltic CH OÜ, Mustamäe tee 2410621 Tallinn, Estonia		

Rated heat output	**Prated**	**7,0**	**kW**		**Seasonal space heating energy efficiency**	**ηs**	**122**	**%**
Declared capacity for part load at outdoor temperature Tj					**Declared coefficient of performance for part load at outdoor**			
Tj = -7 °C	**Pdh**	**4,9**	**kW**		**Tj = -7 °C**	**COPd**	**1,86**	**-**
Tj = +2 °C	**Pdh**	**4,0**	**kW**		**Tj = +2 °C**	**COPd**	**2,96**	**-**
Tj = +7 °C	**Pdh**	**2,6**	**kW**		**Tj = +7 °C**	**COPd**	**4,00**	**-**
Tj = +12 °C	**Pdh**	**2,5**	**kW**		**Tj = +12 °C**	**COPd**	**5,64**	**-**
Tj = biv	**Pdh**	**5,4**	**kW**		**Tj = biv**	**COPd**	**2,23**	**-**
Tj = TOL	**Pdh**	**4,9**	**kW**		**Tj = TOL**	**COPd**	**1,91**	**-**
Tj = -15 °C (if TOL < -20 °C)	**Pdh**		**kW**		**Tj = -15 °C (if TOL < -20 °C)**	**COPd**		**-**

Bivalent temperature	**Tbiv**	**-4,4**	**°C**		**Operation limit temperature**	**TOL**	-10	**°C**
Cycling interval capacity for heating	**Pcych**		**kW**		**Cycling interval efficiency**	**COPcyc**		**-**
Degradation co efficient	**Cdh**	**0,90**	**-**		**Heating water operating limit**	**WTOL**	**65**	**°C**

Power consumption in modes other than active mode					Supplementary heater			
Off mode	POFF	0,002	kW		Rated heat output	Psup	-	kW
Thermostat-off mode	PTO		kW					
Standby mode	PSB	0,015	kW		Type of energy	Electric		
Crankcase heater mode	PCK		kW					
Other items								
Capacity control	inverter				Rated air flow		4000	m^3/h
Sound power level, indoors/outdoors	LWA	35/58	dB		Rated water flow rate, indoor heat exchanger			m^3/h
Annual energy consumption	QHE	5027	kWh		Rated brine or water flow			m^3/h
For heat pump combination heater:								
Declared load profile	-				Water heating	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh		Daily fuel	Qfuel		kWh
Annual electricity	AEC	-	kWh		Annual fuel	AFC		GJ

Performance Correction								
	Ambient Temperature ℃							
	-15	-10	-7	0	7	15	20	25
30	0.91	1.00	1.10	1.18	1.26	1.35	1.41	1.45
35	0.84	0.93	1.03	1.11	1.19	1.28	1.36	1.41
40	0.77	0.87	0.96	1.04	1.12	1.20	1.25	1.31
45	0.70	0.80	0.89	0.97	1.06	1.13	1.19	1.25
50	0.63	0.73	0.82	0.90	1.03	1.08	1.12	1.18
55	0.56	0.66	0.74	0.83	1.00	1.05	1.10	1.15

Computer of actual heating capacity: actual heating capacity = Rated heat output x heating capacity correction coefficient.

Applied standards: EN14511: 2013; EN14825: 2013; EN50564: 2011; EN12102: 2011; (ES) No. 811/2013; (ES) No. 813/2013; OL 2014 / C 207/02