

Manufacturer		COOPER AND HUNTER INTERNATIONAL CORPORATION	
Model		CH-HM	
Indoor unit model		CH-HMV200	
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	Yes	
Heat pump combination heater	yes/no	Yes	
Main specifications 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	P _{rated}	7,0	kW		Seasonal space heating energy efficiency	η _s	122	%
Declared capacity for part load at outdoor temperature T _j					Declared coefficient of performance for part load at outdoor			
T _j = -7 °C	P _{d,h}	4,9	kW		T _j = -7 °C	COP _d	1,86	-
T _j = +2 °C	P _{d,h}	4,0	kW		T _j = +2 °C	COP _d	2,96	-
T _j = +7 °C	P _{d,h}	2,6	kW		T _j = +7 °C	COP _d	4,00	-
T _j = +12 °C	P _{d,h}	2,5	kW		T _j = +12 °C	COP _d	5,64	-
T _j = biv	P _{d,h}	5,4	kW		T _j = biv	COP _d	2,23	-
T _j = TOL	P _{d,h}	4,9	kW		T _j = TOL	COP _d	1,91	-
T _j = -15 °C (if TOL < -20 °C)	P _{d,h}		kW		T _j = -15 °C (if TOL < -20 °C)	COP _d		-

Bivalent temperature	T _{biv}	-4,4	°C		Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	P _{cyc}		kW		Cycling interval efficiency	COP _{cyc}		-
Degradation coefficient	C _{d,h}	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	1,3	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	m³/h
Sound power level, indoors/outdoors	LWA	35/58	dB		Rated water flow rate, indoor heat exchanger			m³/h
Annual energy consumption	QHE	5027	kWh		Rated brine or water flow			m³/h
For heat pump combination heater:								
Declared load profile	-				Water heating	ηwh	98	%
Daily electricity consumption	Qelec	-	kWh		Daily fuel	Qfuel		kWh
Annual electricity	AEC	-	kWh		Annual fuel	AFC		GJ

Performance Correction								
Outflow heated Water, °C	Ambient Temperature °C							
	-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