

# HELIOS SERIE — SINGLE ZONE SYSTEM

23-18 SEER  
9,000 BTU TO 36,000 BTU  
Heatpump

- Energy Star certified
- Optional Wifi
- Optional Wired Controller
- Pan Heater
- Heated belt around compressor
- Auto Swing (vertical)
- Dehumidify
- Intelligent Defrost
- Comfortable Sleep Mode
- LED Display
- Self-diagnosis
- Memory Function
- Control Lock
- Fan Delay Function
- Timer



MODEL		OCD09KCH23S	OCD12KCH22S	OCD18KCH20S	OCD24KCH20S	OCD30KCH18S	OCD36KCH18S
Power Supply		208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph
Cooling Current	A	5.8	6	10.4	14.5	17	20
Rated Current Heating	A	6	6.3	12.6	14.5	17.5	20
<b>System Performance</b>							
Cooling operation range	°C/°F	-18~46 / 0~115	-18~46 / 0~115	-18~46 / 0~115	-18~46 / 0~115	-18~46 / 0~115	-18~46 / 0~115
Heating operation range	°C/°F	-25~24 / 13~75	-25~24 / 13~75	-25~24 / 13~75	-25~24 / 13~75	-25~24 / 13~75	-25~24 / 13~75
Dehumidification	Pt/h	1.69	2.96	3.80	4.23	6.34	7.40
Cooling Capacity	Btu/h	9,000 (3,100 - 9,600)	12,000 (3,100 - 13,000)	18,000 (6,800 - 20,000)	22,000 (6,820 - 27,000)	28,000 (9,490 - 30,030)	33,600 (7,400 - 36,000)
Heating Capacity	Btu/h	11,000 (1,911 - 12,000)	13,000 (2,400 - 14,000)	19,800 (7,340 - 23,500)	23,000 (6,820 - 30,710)	28,400 (10,000 - 32,990)	34,600 (14,980 - 36,000)
SEER/EER		23 / 14.29	22 / 12.50	20 / 12.50	20 / 12.50	18 / 10.40	18 / 8.20
HSPF/COP		10.5 / 3.16	11.0 / 3.46	10.0 / 3.35	10 / 3.37	9.0 / 3.0	9 / 2.7
<b>Indoor Unit</b>							
Airflow (L/H)	CFM	171 / 377	171 / 400	335 / 559	530 / 706	412 / 706	412 / 736
Sound Pressure Level (L/H)	dB(A)	29 / 43	29 / 45	39 / 47	36 / 48	37 / 51	37 / 54
Unit Dimensions (WxHxD)	in.	33.4 x 11.4 x 8.2	33.4 x 11.4 x 8.2	38.2 x 11.8 x 8.8	42.4 x 12.8 x 9.7	53.1 x 12.8 x 10	53.1 x 12.8 x 10
Net/Gross Weight	lbs	22.1 / 26.5	22.1 / 26.5	27.6 / 34.2	34.2 / 41.9	41.9 / 51.8	41.9 / 51.8
<b>Outdoor Unit</b>							
Compressor Type		BALAYAGE	BALAYAGE	ROTATIF	ROTATIF	ROTATIF	ROTATIF
Sound Pressure Level	dB(A)	53	54	55	59	62	65
Unit Dimensions	in.	33.4 x 21.3 x 12.6	33.4 x 23.6 x 12.6	37.6 x 27.6 x 15.6	38.6 x 31.1 x 16.8	38.6 x 31.1 x 16.8	38.6 x 31.1 x 16.8
Net/Gross Weight	lbs	78 / 84	86 / 93	105 / 115	142 / 153	154 / 165	161 / 172
Refrigerant/Charge	oz.	R410A / 45.9	R410A / 47.6	R410A / 56.4	R410A / 77.6	R410A / 84.6	R410A / 91.7
Line Set Size (Liquid - Gas)	in.	1/4" - 3/8"	1/4" - 1/2"	1/4" - 5/8"	1/4" - 5/8"	1/4" - 5/8"	1/4" - 5/8"
Max. Line Run	ft	49.2	65.6	82	82	98.4	98.4
Max. Elevation	ft	32.8	32.8	32.8	32.8	32.8	32.8
MCA	A	9	9	16	20	20	24
MOCP	A	15	15	25	30	30	40
Wire Size/# Wires	14AWG*4 Stranded, unshielded						

\*Energy Star Model: OCD09KCH23S, OCD12KCH22S, OCD18KCH20S, OCD24KCH20S



Tel: 819 346-8493 / 1 800 567-2733  
feedback@dettson.ca



airtempo.ca



Industries Dettson inc. 3400, bouL. Industriel,  
Sherbrooke (QC) J1L 1V8 Canada