

TECHNICAL SPECIFICATIONS



26 SEER2 DUCTLESS HEAT PUMP



FEATURES AND BENEFITS

- Very high efficiency rating
- Available capacities : 12,000 BTU/h, 18,000 BTU/h, 24,000 BTU/h
- Energy Star & NEEP certified
- Operating range -30°C (-22°F) to 50°C (122°F)
- Includes a stylish remote control for conveniently adjusting settings such as Sleep Mode, LED light, room temperature, and turning the unit on/off. Also includes "Follow Me" feature.
- Intelligent Eye Technology – automatically ramps up the operation to give optimum comfort to the occupant and it ramps down to save energy when you leave.
- Wi-Fi Kit included

ENVIRONMENTALLY RESPONSIBLE

26 SEER2 Ductless Heat Pump Series are ranked among the most energy-efficient and cost-effective ways of heating and cooling a home. Continental's ductless heat pumps use a high efficiency direct current compressor motor for a smooth, quiet operation that reduces energy consumption.

NOMENCLATURE

CDHAS26 - 26 SEER2 HEAT PUMP SERIES

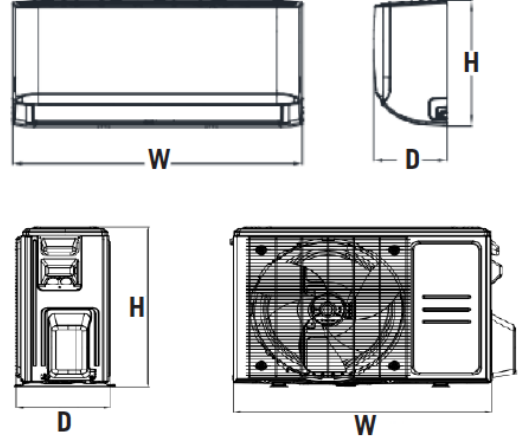


C	D	H	A	S	26	-	24	-	I
Brand	Configuration	Type (Heat Pump/ Cool Only)	Sales Channel	Single/ Multi	Efficiency		Capacity in 000 BTU/h		Indoor/ Outdoor
C = Continental	Ductless	Heat Pump	Distribution	Single	26 = 26 SEER2		12 or 18 or 24		I = Indoor O = Outdoor

DUCTLESS SPECIFICATIONS

DIMENSIONS

INDOOR UNIT INFORMATION	CDHAS26-12-I	CDHAS26-18-I	CDHAS26-24-I
Width (mm/in)	795/31.3	965/37.99	1140/44.88
Depth (mm/in)	225/8.86	239/9.41	275/10.83
Height (mm/in)	295/11.61	319/12.56	370/14.57
Net weight (lb/kg)	22.93/10.4	27.12/12.3	43.65/19.8
Gross weight (lb/kg)	28.88/13.1	35.71/16.2	54.89/24.9
OUTDOOR UNIT INFORMATION	CDHAS26-12-O	CDHAS26-18-O	CDHAS26-24-O
Width (mm/in)	805/31.69	890/35.04	946/37.24
Depth (mm/in)	330/12.99	342/13.46	410/16.14
Height (mm/in)	554/21.81	673/26.5	810/31.89
Net weight (lb/kg)	73.63/33.4	100.97/45.8	134.48/61
Gross weight (lb/kg)	79.37/36	108.03/49	144.4/65.5



SYSTEM DATA

	CDHAS26-12	CDHAS26-18	CDHAS26-24
	CDHAS26-12 Ductless Heat Pump - Shipped in 2 PCS. CDHAS26-12-I, CDHAS26-12-O	CDHAS26-18 Ductless Heat Pump - Shipped in 2 PCS. CDHAS26-18-I, CDHAS26-18-O	CDHAS26-24 Ductless Heat Pump - Shipped in 2 PCS. CDHAS26-24-I, CDHAS26-24-O
AHRI NUMBER	213386539	213386536	213386537
INDOOR SKU	CDHAS26-12-I	CDHAS26-18-I	CDHAS26-24-I
OUTDOOR SKU	CDHAS26-12-O	CDHAS26-18-O	CDHAS26-24-O
Cooling Capacity Rated BTU (Range)	12000(3300~14300)	18000(8870~19400)	24000(6850~27000)
Heating Capacity Rated BTU (Range)	12000(5000~15300)	18000(15100~19500)	29000(11900~31000)
SEER2	25.5	21.5	21.5
HSPF2 (REGION IV)	10.4	11.3	11.4
EER2	14	12.5	13
HSPF2 (REGION V)	8	8.3	9.2
Dehumidify (L/h)	1.3	2.2	2.6
Voltage	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz
Indoor noise level (Hi/Mi/Lo) dBA	38/33.5/23.5	46/42/24	46/39/34
Outdoor noise level dBA	56	59	62
Compressor & Parts Limited Warranty	10 years	10 years	10 years
Max. refrigerant pipe length (m)	25	30	50
Max. refrigerant pipe length (ft)	82.02	98	164.04
Max. difference in elevation (m)	10	20	25
Max. difference in elevation (ft)	32.81	66	82.02
Refrigeration GAS PIPE (mm/inch)	12.7mm(1/2in)	12.7mm(1/2in)	15.9mm(5/8in)
Refrigeration LIQUID PIPE (mm/in)	6.35mm(1/4in)	6.35mm(1/4in)	9.52mm(3/8in)
Heating at 17°F (-8.33°C) BTU	10000	15000	21200
Heating at 5°F (-15°C) BTU	12000	18000	25000
Heating at 5°F (-15°C) COP	1.75	1.75	2.21
Connection Wiring	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded
Refrigerant Gas (oz/kg)	R410A 41.62/1.18	R410A 65.2/1.85	R410A 91.7/2.6
Additional charge per metre (oz/ft)(g/m)	0.16/15	0.16/15	0.32/30
Compressor	Double Rotary	Double Rotary	Double Rotary
MAX FUSE (A)	15	25	35
Minimum Circuit Capacity	15	16	25
Rated Cooling Current (A)	3.72	6.3	8.1
Rated Heating Current (A)	4.1	7.3	10.9
Indoor air flow (Hi/Mi/Lo) CFM	335.29/229.41/176.47	523.53/376.47/ 305.88	611.18/414.12/318.82
Outdoor air flow CFM	1323.53	1764.7	2235.29
Outdoor Cooling Range	-30°C (-22°F) to 50°C (122°F)	-30°C (-22°F) to 50°C (122°F)	-30°C (-22°F) to 50°C (122°F)
Indoor(cooling/ heating)	16~32/0°C27	17~32/0~30	17~32/0~30
Outdoor(cooling/heating)	-30~50/-30°C24	-30~50/-30~24	-30~50/-30~24



PERFORMANCE DATA – COOLING

DB – Dry Bulb WB – Wet Bulb TC – Total Net Capacity (1000 Btu/hour) SC – Sensible Capacity (1000 Btu/hour) Input – Total Power (kW)

COOLING		OUTDOOR CONDITIONS (DB)																			
INDOOR		-13°F	-4°F	0°F	5°F	17°F	25°F	35°F	47°F	55°F	65°F	75°F	80°F	85°F	95°F	105°F	110°F	115°F	122°F		
DB	WB	-25°C	-20°C	-17.8°C	-15°C	-8.3°C	-3.9°C	1.7°C	8.3°C	12.8°C	18.3°C	24°C	26.7°C	29.4°C	35°C	40.5°C	43.3°C	46°C	50°C		
CDHAS26-12-I / CDHAS26-12-O	65°F (18.3°C)	54°F (12.2°C)	TC	9.32	10.13	10.38	10.48	10.57	10.95	11.26	11.46	11.75	11.84	11.90	11.77	12.05	11.94	12.27	11.48	11.01	9.92
			SC	5.97	6.46	6.99	6.90	7.39	7.75	8.31	8.03	8.72	8.88	9.33	9.32	9.65	9.52	10.20	9.65	9.78	9.22
			Input	0.38	0.44	0.49	0.51	0.53	0.60	0.63	0.67	0.68	0.72	0.77	0.80	0.86	1.02	1.25	1.21	1.20	1.25
	70°F (21.1°C)	59°F (15°C)	TC	9.78	10.60	10.93	11.15	11.23	11.45	11.79	11.88	12.42	12.56	12.45	12.44	12.78	12.52	12.90	12.03	11.51	10.35
			SC	6.22	6.73	7.32	7.29	7.82	8.06	8.66	8.43	9.16	9.36	9.70	9.79	10.18	9.92	10.66	10.06	10.17	9.56
			Input	0.37	0.44	0.49	0.52	0.54	0.60	0.63	0.66	0.69	0.73	0.76	0.80	0.87	1.00	1.26	1.21	1.21	1.25
	75°F (23.9°C)	63°F (17.2°C)	TC	10.40	11.08	11.43	11.78	11.91	12.09	12.37	12.56	12.96	13.16	13.13	13.14	13.37	13.26	13.52	12.71	12.13	10.93
			SC	6.58	6.99	7.61	7.65	8.24	8.47	9.03	8.87	9.50	9.76	10.18	10.29	10.58	10.44	11.12	10.56	10.66	10.04
			Input	0.38	0.44	0.48	0.51	0.54	0.60	0.62	0.66	0.68	0.73	0.76	0.81	0.87	1.01	1.25	1.22	1.22	1.25
	80°F (26.7°C)	67°F (19.4°C)	TC	10.84	11.65	12.14	12.31	12.51	12.77	13.02	13.25	13.63	13.71	13.79	13.87	13.96	14.05	14.15	13.50	12.73	11.62
			SC	6.82	7.31	8.05	7.96	8.60	8.89	9.45	9.30	9.93	10.12	10.63	10.79	10.98	11.00	11.57	11.15	11.13	10.62
			Input	0.37	0.44	0.49	0.51	0.54	0.60	0.63	0.66	0.68	0.72	0.76	0.81	0.87	1.18	1.25	1.24	1.22	1.26
CDHAS26-18-I / CDHAS26-18-O	65°F (18.3°C)	54°F (12.2°C)	TC	14.48	15.31	16.57	16.87	17.11	17.69	17.06	16.66	16.19	15.93	16.02	15.84	15.78	15.98	16.18	14.75	14.36	13.36
			SC	8.71	9.77	10.71	11.61	11.55	12.93	12.36	12.53	11.88	11.94	12.06	12.34	12.43	12.42	13.33	12.20	12.59	12.62
			Input	0.54	0.59	0.66	0.67	0.71	0.74	0.78	0.86	0.88	0.95	1.04	1.09	1.22	1.45	1.81	1.75	1.81	1.86
	70°F (21.1°C)	59°F (15°C)	TC	15.15	16.17	17.40	17.89	18.11	18.55	17.96	17.61	17.08	16.80	16.98	16.72	16.61	16.93	16.87	15.65	15.23	14.20
			SC	9.07	10.25	11.19	12.25	12.16	13.48	12.93	13.18	12.48	12.53	12.71	12.96	13.02	13.09	13.81	12.88	13.28	13.34
			Input	0.53	0.59	0.66	0.68	0.72	0.74	0.79	0.86	0.88	0.95	1.05	1.10	1.23	1.47	1.77	1.76	1.82	1.88
	75°F (23.9°C)	63°F (17.2°C)	TC	15.83	17.15	18.34	18.66	19.20	19.65	18.79	18.39	17.98	17.80	17.95	17.73	17.45	17.67	17.59	16.65	15.88	15.02
			SC	9.41	10.81	11.74	12.69	12.81	14.19	13.46	13.67	13.06	13.21	13.37	13.66	13.61	13.58	14.31	13.64	13.76	14.03
			Input	0.53	0.60	0.66	0.68	0.72	0.75	0.77	0.85	0.87	0.94	1.04	1.12	1.22	1.44	1.77	1.79	1.82	1.90
	80°F (26.7°C)	67°F (19.4°C)	TC	16.64	17.90	19.24	19.72	20.26	20.55	19.94	19.31	18.93	18.83	18.74	18.65	18.56	18.48	18.40	17.66	16.75	15.72
			SC	9.84	11.22	12.24	13.35	13.45	14.75	14.20	14.29	13.66	13.90	13.87	14.28	14.40	14.12	14.89	14.39	14.44	14.58
			Input	0.53	0.60	0.66	0.69	0.72	0.74	0.78	0.84	0.88	0.94	1.02	1.12	1.24	1.66	1.78	1.80	1.81	1.90
CDHAS26-24-I / CDHAS26-24-O	65°F (18.3°C)	54°F (12.2°C)	TC	18.58	19.91	20.91	21.24	21.55	22.45	23.45	24.17	25.83	25.70	25.96	25.64	25.31	24.52	23.12	22.53	21.33	20.46
			SC	11.53	12.63	14.25	14.24	14.93	16.26	17.36	18.17	18.65	19.20	20.29	19.86	19.50	19.72	18.64	19.38	19.17	19.49
			Input	0.93	1.03	1.13	1.23	1.30	1.38	1.47	1.55	1.80	1.87	1.94	2.00	2.07	2.19	2.42	2.51	2.61	3.01
	70°F (21.1°C)	59°F (15°C)	TC	19.35	20.74	21.78	22.24	22.91	23.66	24.55	25.61	27.30	27.23	27.50	26.80	26.67	25.67	24.15	23.57	22.50	21.69
			SC	11.93	13.09	14.74	14.82	15.78	17.04	18.06	19.16	19.59	20.25	21.39	20.63	20.45	20.54	19.36	20.18	20.13	20.55
			Input	0.91	1.02	1.11	1.22	1.31	1.38	1.47	1.54	1.80	1.87	1.94	1.97	2.07	2.19	2.41	2.51	2.64	3.00
	75°F (23.9°C)	63°F (17.2°C)	TC	20.45	21.67	22.78	23.29	23.99	24.82	26.09	26.79	28.89	28.54	28.89	28.36	28.37	26.91	25.70	24.81	23.79	22.79
			SC	12.55	13.60	15.33	15.45	16.44	17.78	19.07	19.93	20.64	21.11	22.34	21.72	21.64	21.39	20.47	21.12	21.14	21.49
			Input	0.92	1.01	1.12	1.21	1.29	1.38	1.47	1.52	1.82	1.86	1.93	1.98	2.07	2.16	2.43	2.50	2.64	2.98
	80°F (26.7°C)	67°F (19.4°C)	TC	21.62	23.00	24.21	24.70	25.22	26.35	27.24	28.02	30.28	30.20	30.12	30.04	29.96	28.54	26.94	25.87	24.78	23.74
			SC	13.19	14.35	16.20	16.28	17.20	18.79	19.80	20.73	21.53	22.20	23.16	22.86	22.74	22.54	21.33	21.89	21.88	22.24
			Input	0.92	1.03	1.14	1.22	1.30	1.39	1.46	1.52	1.81	1.86	1.92	1.99	2.05	2.29	2.40	2.49	2.59	2.98

PERFORMANCE DATA — HEATING

DB – Dry Bulb

TC – Total Net Capacity (1000 Btu/hour)

SC – Sensible Capacity (1000 Btu/hour)

Input – Total Power (kW)

HEATING		OUTDOOR CONDITIONS (DB)														
INDOOR CONDITIONS DB		-13°F	-4°F	0°F	5°F	10°F	17°F	20°F	25°F	32°F	35°F	40°F	47°F	50°F	57°F	
		-25°C	-20°C	-17.8°C	-15°C	-12.2°C	-8.3°C	-6.7°C	-3.9°C	0°C	1.7°C	4.4°C	8.3°C	10°C	13.9°C	
CDHAS26-12-I / CDHAS26-12-0	60°F (15.6°C)	TC	7.85	9.15	10.22	11.45	12.74	13.37	13.95	14.54	15.04	15.39	16.03	16.32	16.61	17.09
		Input	1.53	1.66	1.67	1.74	1.85	1.82	1.83	1.80	1.81	1.81	1.80	1.61	1.47	1.42
	65°F (18.3°C)	TC	7.60	8.87	9.92	11.09	12.37	13.02	13.49	14.09	14.54	15.01	15.54	15.78	16.14	16.54
		Input	1.56	1.70	1.71	1.77	1.89	1.87	1.87	1.86	1.86	1.86	1.85	1.66	1.51	1.45
	70°F (21.1°C)	TC	7.34	8.64	9.59	10.75	12.04	12.59	13.11	13.61	14.11	14.60	15.12	15.38	15.61	15.98
		Input	1.60	1.74	1.75	1.83	1.93	1.93	1.92	1.91	1.90	1.90	1.90	1.71	1.55	1.48
	75°F (23.9°C)	TC	7.01	8.25	9.22	10.31	11.55	12.15	12.61	13.05	13.60	14.06	14.58	14.69	15.04	15.36
		Input	1.65	1.79	1.81	1.89	1.99	1.99	1.99	1.97	1.96	1.96	1.97	1.76	1.60	1.52
CDHAS26-18-I / CDHAS26-18-0	60°F (15.6°C)	TC	14.62	16.27	18.11	18.91	19.78	20.40	21.22	21.27	21.17	21.14	21.44	21.43	21.50	21.92
		Input	3.24	3.14	3.01	2.94	2.88	2.95	3.03	2.94	2.88	2.79	2.70	2.31	2.02	1.96
	65°F (18.3°C)	TC	14.26	15.78	17.65	18.32	19.12	19.90	20.58	20.59	20.64	20.52	20.71	20.71	20.77	21.18
		Input	3.32	3.23	3.09	3.01	2.94	3.02	3.12	3.03	2.95	2.85	2.77	2.36	2.07	2.01
	70°F (21.1°C)	TC	13.84	15.38	17.09	17.86	18.58	19.23	19.92	19.95	19.98	20.00	20.03	20.05	20.07	20.53
		Input	3.41	3.32	3.16	3.10	3.01	3.11	3.21	3.11	3.02	2.93	2.85	2.41	2.12	2.07
	75°F (23.9°C)	TC	13.26	14.80	16.39	17.12	17.91	18.50	19.21	19.11	19.20	19.20	19.19	19.15	19.35	19.79
		Input	3.52	3.40	3.26	3.18	3.11	3.21	3.32	3.22	3.12	3.02	2.94	2.49	2.19	2.13
CDHAS26-24-I / CDHAS26-24-0	60°F (15.6°C)	TC	17.37	21.05	23.99	25.23	26.97	27.36	27.27	27.38	27.47	27.74	28.01	28.90	29.91	30.19
		Input	3.31	3.56	3.55	3.70	3.94	3.67	3.46	3.46	3.49	3.51	3.49	3.08	2.76	2.73
	65°F (18.3°C)	TC	16.89	20.33	23.20	24.59	26.26	26.43	26.48	26.64	26.77	27.01	27.11	28.12	29.09	29.45
		Input	3.41	3.63	3.64	3.79	4.03	3.75	3.55	3.56	3.56	3.59	3.60	3.14	2.83	2.81
	70°F (21.1°C)	TC	16.42	19.78	22.48	23.80	25.42	25.54	25.68	25.86	26.04	26.22	26.38	27.35	28.33	28.73
		Input	3.49	3.71	3.73	3.91	4.12	3.83	3.62	3.64	3.65	3.67	3.68	3.22	2.91	2.86
	75°F (23.9°C)	TC	15.81	18.99	21.69	22.97	24.53	24.42	24.55	24.70	24.95	25.12	25.32	26.28	27.22	27.44
		Input	3.59	3.82	3.84	4.04	4.25	3.95	3.71	3.73	3.75	3.80	3.78	3.32	2.98	2.94