

ELITE 20SEER2

DUCTLESS SINGLE ZONE HEAT PUMP



Model number		CEL-BH091A-K	CEL-BH121A-K	CEL-BH092A-K	CEL-BH122A-K	CEL-BH182A-K	CEL-BH242A-K	
Technical Performance								
AHRI number		-	216472843	216472844	216472845	216472846	216472847	216472848
ENERGY STAR		-	✓	-	✓	-	-	-
Suitable area		sq.ft.	Up to 400	Up to 550	Up to 400	Up to 550	Up to 1000	Up to 1500
Voltage		Volts	115V/60Hz-1Ph		208/230V/60Hz/1Ph			
Rated cooling capacity (95°F/35°C)		BTU/hr	9000	12000	9000	12000	18000	24000
Heating capacity	Rated heating capacity (47°F/8.3°C)	BTU/hr	10000	12000	10000	12000	17500	22000
	Max.	BTU/hr	12200	13900	12000	13900	19000	25900
Used rated input (Cooling/Heating)		W	750 / 750	1050 / 1030	750 / 750	1050 / 1030	1700 / 1530	2080 / 1800
Rated current (Cooling/Heating)		A	6.8 / 6.8	9.5 / 9.3	3.4 / 3.4	4.8 / 4.7	7.7 / 6.9	9.4 / 8.2
MCA (Min. circuit ampacity)		A	16	18	10	11	12	17
Max. fuse size (MOCP)		A	25	30	15	15	20	25
SEER2		-	19	20.5	20	23	21	21
HSPF2 Rating (Region IV)		Btu/W.h	9.5	9.5	10	9.5	9.5	9.5
HSPF2 Rating (Region V)		Btu/W.h	8.2	8.5	8.5	8.5	8	8.5
EER2 (95°F/35°C)		Btu/W.h	11.7	10.5	12	11.2	11	11
COP2 (5°F/-15°C)		W/W	2	1.8	2.1	1.8	1.8	2.1
Dehumidification		pt/hr (l/hr)	2.32 (1.1)	3.38 (1.6)	2.32 (1.1)	3.38 (1.6)	4.64 (2.2)	5.49 (2.6)
Temperature Setting Range		°F	62 to 86					
Outdoor operating temperatures	Cooling	°F	5 to 122					
	Heating	°F	4 to 86					
Indoor Unit								
Air flow volume Turbo/High/Med/Low/Mute		cfm	342/270/235/200/152	305/264/223/176/141	342/270/235/200/152	305/264/223/176/141	617/575/511/411/382	847/705/588/470/412
Noise level Turbo/High/Med/Low/Mute		dB (A)	42/40/35/30/28	45/42/35/30/28	43/41/36/31/29	45/42/35/30/28	49/47/42/37/32	52/50/44/38/36
Dimension		in.	31.94 x 11.5 x 8	31.94 x 11.5 x 8	31.94 x 11.5 x 8	31.94 x 11.5 x 8	39.75 x 12.38 x 8.69	46.94 x 14.19 x 10.25
Net weight		lb (kg)	19.8 (9)	19.8 (9)	19.8 (9)	19.8 (9)	27.6 (12.5)	36.4 (16.5)
Outdoor Unit								
Air flow volume		m³/h	1850	1950	1850	1950	2800	3590
Noise level		dB (A)	54	55	54	55	55	58
Refrigerant volume (R454B)		oz (g)	23.28 (660)	30.34 (860)	23.28 (660)	30.34 (860)	35.27 (1000)	45.15 (1280)
Dimension		in.	31 x 11.44 x 19.37	31 x 11.44 x 19.37	31 x 11.44 x 19.37	31 x 11.44 x 19.37	34 x 13.75 x 23.69	36.25 x 14.94 x 27.5
Net weight		lb (kg)	51.8 (23.5)	55.1 (25)	48.5 (22)	55.1 (32)	70.5 (32)	88.2 (40)
Connection Piping/Refrigerant								
Pipes lenght (included in kit)		ft. (m)	16 (4.8)					
Factory pre-charge length for up to 25 ft. (7.5 m)		ft. (m)	25 (7.5)					
Additional charge for over 25 ft. (7.5 m)		oz/ft. (g/m)	0.11 (10)					
Liquid pipe outer diameter		in.	1/4					
Gas pipe outer diameter		in.	3/8	3/8	3/8	3/8	3/8	1/2
Maximum height difference (between indoor/outdoor unit)		ft. (m)	33 (10)	33 (10)	33 (10)	33 (10)	49 (15)	49 (15)
Maximum total length (between indoor/outdoor unit)		ft. (m)	50 (15)	50 (15)	50 (15)	50 (15)	65 (20)	65 (20)