

CLIMATE

# EMERALD CONDENSING UNITS

This condenser has reversing valve, pressure switches, and service ports centrally located for easy maintenance access from any side. Vibration-isolating compressor mounting system reduces noise and vibration. Pair this with a Dometic Emerald TurboVap R-410A evaporator.

## SQUARE CHASSIS

EASY INSTALLATION

## 3 MOUNTING OPTIONS

ADAPTABLE

## ECO-FRIENDLY

R-410A REFRIGERANT



115V/60Hz/1-Ph  
230V/60Hz/1-Ph or 3-Ph  
220-240V/50Hz/1-Ph  
460V/60Hz/3-Ph  
380V/50Hz/3-Ph



6,000 - 72,000 BTU

Mobile living made easy.

 **DOMETIC**

# INNOVATIVE CHASSIS CONQUERS INSTALLATION C

Model <sup>1</sup>	DEU6			DEU8			DEU10			DEU12			DEU16		
Capacity (BTU/h) <sup>2</sup>	6000			8000			10000			12000			16000		
Voltage (V)	115	230	240	115	230	240	115	230	240	115	230	240	115	230	240
Cycle (Hz) <sup>3</sup> /Phase (Ph)	60/1	60/1	50/1	60/1	60/1	50/1	60/1	60/1	50/1	60/1	60/1	50/1	60/1	60/1	50/1
Full Load Amps (FLA) Cool (A)	3.8	1.8	2.4	4.2	2.4	2.4	5.6	2.6	2.8	7.6	3.4	2.79	8.8	4.3	3.9
Full Load Amps (FLA) Heat (A)	5.1	2.44	3.3	5.8	3.3	3.3	7.7	3.6	3.8	9.8	4.5	3.81	12	5.8	5.3
Locked Rotor Amps (LRA) (A)	36	17.5	17.7	36	17.7	17.7	42	22	21	58	28	21	62	34	22
Max. Circuit Breaker (A)	15	10	-	15	10	10	25	15	10	30	15	10	40	15	-
Min. Circuit Ampacity (A)	11	7	6	11	6	6	15	9	8	18	10	8	23	11	10
Refrigerant Type	R410A			R410A			R410A			R410A			R410A		
Max. Height (in/mm) <sup>4</sup>	12/305			12/305			13/331			13/331			14.1/359		
Width (in/mm) <sup>4</sup>	13.3/338			13.3/338			13.3/338			13.3/338			13.3/338		
Depth-Without Elec. Box (in/mm)	13.3/338			13.3/338			13.3/338			13.3/338			13.3/338		
Depth-With Elec. Box (in/mm)	15.1/384			15.1/384			15.1/384			15.1/384			15.1/384		
Seawater Inlet Connection (in/mm)	0.625/16			0.625/16			0.625/16			0.625/16			0.625/16		
Seawater Connection Type	cupronickel tube			cupronickel tube			cupronickel tube			cupronickel tube			cupronickel tube		
Refrigerant Line Connection-Discharge (in)	1/4			1/4			1/4			1/4			1/4		
Refrigerant Line Connection-Suction (in)	3/8			3/8			3/8			3/8			1/2		
Net Weight (lbs/kg) <sup>5</sup>	43/20	43/20	42.05/19	43/20			45/20	44.25/20	45/20	47/21			49/22	50.5/23	50/23
Gross Weight (lbs/kg) <sup>5</sup>	50/23	50/23	49.5/22	50/23			52/24	50.5/23	52/24	54/24			56/26	57/26	56/26
Height-Electrical Box (in/mm)	8.75/223			8.75/223			8.75/223			8.75/223			8.75/223		
Width-Electrical Box (in/mm)	6.5/166			6.5/166			6.5/166			6.5/166			6.5/166		
Depth-Electrical Box (in/mm)	2.63/67			2.63/67			2.63/67			2.63/67			2.63/67		

<sup>1</sup> To complete the model numbers for a specific voltage/cycle/phase, add a '-410', then '1161' for 115V/60Hz/1-Phase, '-2251' for 220-240V/50Hz/1-Phase, or '-2361' for 230V/60Hz/1-Phase (e.g. 'DEU12-410 2361').

<sup>2</sup> BTU and electrical data are based on a 45°F/7.2°C evaporator and 100°F/37.8°C condenser in cool mode, and a 45°F/7.2°C evaporator and 130°F/54.4°C condenser in heat mode.

<sup>3</sup> 60Hz units must not operate at 50Hz and 50Hz units must not operate at 60Hz unless data plate says otherwise.

<sup>4</sup> All dimensions ± 0.30 in/8 mm.

<sup>5</sup> All weights ± 10%.

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# CHALLENGES



DEU24				DEU30		DEU36					DEU48					DEU60			DEU72		
24000				30000		36000					48000					60000			72000		
230	240	230	380	230	240	230	240	230	460	380	230	240	230	460	380	230	230	460	230	380	460
60/1	50/1	60/3	50/3	60/1	50/1	60/1	50/1	60/3	60/3	50/3	60/1	50/1	60/3	60/3	50/3	60/1	60/3	60/3	60/3	50/3	60/3
6.3	6.4	4.5	2.7	7.3	7.9	9.1	9.4	6.3	3.3	4.44	11.9	12.08	8.23	5.95	5.29	13.56	10.18	5.25	11.2	7.17	5.58
7.8	8	6.2	3.6	9.2	9.9	11.5	12	8.3	4.2	5.88	15.8	17.95	10.89	7.42	6.6	20.15	12.7	6.6	14.82	8.94	7.56
43	46	55.4	28	54	67	74	67	71	38	45	105	115	95	70	60	150	120	60	123	87	70
30	30	20	15	35	40	45	40	35	15	20	75	70	49	30	-	80	55	30	60	42	30
17	18	14	10	22	23	26	25	20	10	13	43	41	28	19	17	48	33	17	34	24	19
R410A				R410A		R410A					R410A					R410A			R410A		
18/458				18/458		18/458					18.5/470					20/508			20/508		
16/407				16/407		16/40					16/407					16/407			16/407		
16/407				16/407		16/407					16/407					16/407			16/407		
18.8/478				18.8/47		18.8/478					18.8/478					18.8/478			18.8/478		
0.625/16				0.625/16		0.625/16					0.625/16					0.625/16			0.625/16		
cupronickel tube				cupronickel tube		cupronickel tube					cupronickel tube					cupronickel tube			cupronickel tube		
3/8				3/8		3/8					3/8					3/8			3/8		
5/8				3/4		3/4					3/4					3/4			3/4		
98.5/45	104/47	100/45	100/45	102.25/46	114.5/52	118/54	102/46	116/53	116/53	122/55	135/61	135/61	135/61	135/61	155/70	165/75					
129/59	133/60	132/60	132/60	133.5/61	147/67	149.5/68	130/59	148/67	148/67	153/69	150/68	150/68	150/68	150/68	170/77	181/82					
13.25/337				13.25/337		13.25/337					13.25/337					13.25/337			13.25/33		
7.75/197				7.75/197		7.75/197					7.75/197					7.75/197			7.75/197		
3.75/96				3.75/96		3.75/96					3.75/96					3.75/96			3.75		

# INNOVATIVE CHASSIS CONQUERS INSTALLATION CHALLENGES



## 1. SQUARE CHASSIS AND COMPOSITE DRAIN PAN

Compact base fits in more spaces



## 2. EASY ACCESS

Easy maintenance access from any side



## 3. VIBRATION ISOLATION

Minimize noise and vibration