

CLIMATE

EMERALD TITANIUM CONDENSING UNITS

This titanium condenser has a 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. The 6k BTU through 16K BTU is now available in dual frequency (50/60hz).

SQUARE CHASSIS
EASY INSTALLATION

DUAL FREQUENCY
ACCEPTS 50 OR 60 HZ

QUIET OPERATION
MINIMAL VIBRATION



115V/50 - 60Hz/1-Ph
230V/50 - 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 CHALLENGES



The Emerald design increases cooling and heating capacities while reducing amperage. Emerald condensers can be installed quickly and easily. The drain, seawater and refrigerant connections are conveniently located to overcome installation challenges thus reducing installation time by up to fifteen minutes. The electrical box can be easily removed and located up to 5 ft. (1.5 m) away, further reducing the size of the unit while making the system more accessible. The reversing valve, pressure switches and service ports are centrally located, high on the unit for access from any side.

After listening to boat builders, global service teams and boat owners, Dometic engineers designed the innovative Emerald Condenser series to harness and maximize the impressive performance of R-410A refrigerant while meeting all international

Model	DEGX6		DEGX8		DEGX10		DEGX12		DEGX16		DEUX24				DEUX30	
Capacity (BTU/h) ²	6000		8000		10000		12000		16000		24000				30000	
Voltage (V)	115	230	115	230	115	230	115	230	115	230	230	240	230	380	230	240
Cycle (Hz) ³ / Phase (Ph)	60/1	50-60/1	60/1	50-60/1	60/1	50-60/1	60/1	50-60/1	60/1	50-60/1	60/1	50/1	60/3	50/3	60/1	50/1
Full Load Amps (FLA) Cool (A)	3.6	1.6	4.2	2.2	5.2	2.6	6.6	3.2	8.7	4.7	6.3	6.3	4.5	2.7	7.4	7.3
Full Load Amps (FLA) Heat (A)	4.8	2.2	5.6	3.0	7.0	3.5	9.1	4.4	11.8	6.2	9.5	9.7	6.2	3.6	11.1	11
Locked Rotor Amps (LRA) (A)	25.5	10.0	28.0	15.0	42	21	50.5	26.7	61	26.9	58.3	54	55.4	28	73	61
Pressure Drop (psi)	0.4		0.8		1.1		0.8		1.4		5.2				9.5	
Max. Circuit Breaker (A)	15	5	20	10	25	15	30	15	40	20	45	35	20	15	45	40
Min. Circuit Breaker (A)	10	5	12	6	16	8	19	10	24	13	25	22	14	10	28	24
Refrigerant Type	R410A		R410A		R410A		R410A		R410A		R410A				R410A	
Seawater Inlet Connection (in/ mm)	0.625/16		0.625/16		0.625/16		0.625/16		0.625/16		0.625/16				0.75/19	
Seawater Connection Type	cupronickel tube		cupronickel tube		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	1/4	3/8				3/8	
Refrigerant Line Connection- Suction (in)	3/8		3/8		3/8		3/8		1/2		5/8				5/8	
Net Weight (lbs/kg) ⁴	43/20		43/20		45/20		47/21		49/22	50/23	98/44				110/50	
Gross Weight (lbs/kg) ⁴	50/23		50/23		52/24	51/23	54/24		56/26	57/26	135/61				140/64	

¹ For dual frequency units 6K through 16K, to complete the model numbers for a specific voltage/cycle/phase, add a ‘-410’, then ‘1171’ for 115V/50-60Hz/1-Phase, or ‘2371’ for 230V/50-60Hz/1-Phase (e.g. ‘DEG12-410 2371’). For ranges 24K through 72K, add a ‘-410’, ‘-2251’ for 220-240V/50Hz/1-Phase, or ‘-2361’ for 230V/60Hz/1-Phase (e.g. ‘DEU24-410 2361’).

² 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.

³ For ranges 24K through 72K, 60Hz units must not operate at 50Hz and 50Hz units must not operate at 60Hz unless data plate says otherwise.

⁴ All weights ± 10%.

clean air standards. The compact design of the Emerald series incorporates built-in vibration-isolating mounts, two large drain connections and numerous mounting options for installation to a smooth deck, stringer or existing rack. The incorporated lifting handles and smooth bottom allow for easy lifting and quick placement of the unit. The molded composite no-rust drain pan is shaped to provide positive drainage even when the boat lists or pitches. The amount of standing water in the drain pan is reduced by up to 85%, which is 8 times less than a typical drain pan.

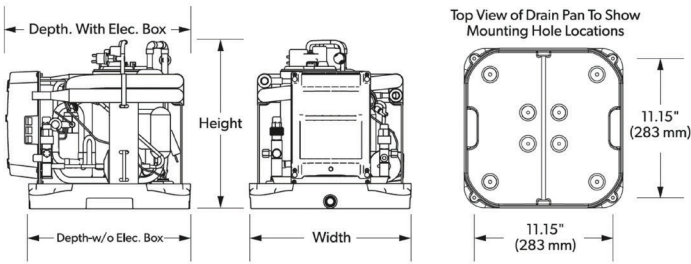
Benefits Of The Emerald Condensing Unit

- DEGX6K through 16K operates at 50 or 60Hz; low voltage units will run 100-120 volts
- 50/60Hz and higher voltage units will run 200-240 volts 50/60Hz
- Split-gas system confines compressor noise to the engine room and places quiet evaporating units in living areas
- Square chassis for easy installation in tight spaces. Reversing valve, pressure switches, and service ports centrally located for easy maintenance access from any side
- Rust-free composite drain pan
- Reconfigurable chassis allows optimal drain connections
- Compressor vibration-isolation mounts minimize noise and vibration
- Built-in refrigerant line filter drier protects the compressor from moisture and contaminants

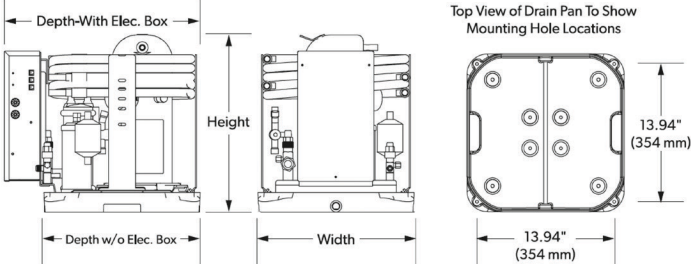
X30		DEUX36					DEUX48					DEUX60					DEUX72				
000		36000					48000					60000					72000				
230	380	230	240	230	460	380	230	240	230	460	380	230	240	230	380	460	230	220	230	380	460
60/3	50/3	60/1	50/1	60/3	60/3	50/3	60/1	50/1	60/3	60/3	50/3	60/1	50/1	60/3	50/3	60/3	60/1	50/1	60/3	50/3	60/3
5.4	3.2	8.9	9.9	6.3	4.5	3.3	10.9	12.10	8.2	5.3	3.8	13.0	14.4	10.2	5.6	5.29	16.6	21.5	11.2	7.1	5.94
7.3	4.2	13.2	13	8.3	5.9	4.2	16.2	18.0	10.90	6.6	5.0	20.2	21.4	12.7	7.6	6.6	24.0	29.1	14.8	8.8	7.40
58	38	96.7	97	71	45	38	105	102.5	95	60	45	150	130	120	70	60	145	130	120	87	70
2		4.2					6.2					10.2					6.2				
25	15	50	60	35	20	15	70	70	45	30	20	80	80	50	30	30	100	100	60	40	30
17	10	34	34	20	13	10	43	42	28	17	13	48	48	33	19	17	57	57	34	24	19
0A		R410A					R410A					R410A					R410A				
5/19		0.625/16					0.625/16					0.75/19					0.625/16				
kel tube		cupronickel tube					cupronickel tube					cupronickel tube					cupronickel tube				
8		3/8					3/8					3/8					3/8				
4		3/4					3/4					3/4					3/4				
/50		110/50					115/52					147/67					147/67				
/64		149/68					150/68					176/80					183/83	187/84	183/83	180/82	181/82

INNOVATION CHASSIS CONQUERS INSTALLATION CHALLENGES

DEGX6-16 DIMENSIONS



DEUX24-72 DIMENSIONS



Model	DEGX6	DEGX8	DEGX10	DEGX12	DEGX16	DEUX24	DEUX30	DEUX36	DEUX48	DEUX60	DEUX72
Max Height (in/mm) ¹	12/305	12/305	13/331	13/331	14.1/359	18/458	18/458	18/458	18.5/470	20/508	20/508
Width (in/mm)	13.3/338	13.3/338	13.3/338	13.3/338	13.3/338	16/407	16/407	16/407	16/407	16/407	16/407
Depth Without Elec. Box (in/mm)	13.3/338	13.3/338	13.3/338	13.3/338	13.3/338	16/407	16/407	16/407	16/407	16/407	16/407
Depth With Elec. Box (in/mm)	15.1/384	15.1/384	15.1/384	15.1/384	15.1/384	18.8/478	18.8/478	18.8/478	18.8/478	18.8/478	18.8/478
Height Electrical Box (in/mm)	8.75/223	8.75/223	8.75/223	8.75/223	8.75/223	13.25/337	13.25/337	13.25/337	13.25/337	13.25/337	13.25/337
Width Electrical Box (in/mm)	6.5/166	6.5/166	6.5/166	6.5/166	6.5/166	7.75/197	7.75/197	7.75/197	7.75/197	7.75/197	7.75/197
Depth Electrical Box (in/mm)	2.63/67	2.63/67	2.63/67	2.63/67	2.63/67	3.75/96	3.75/96	3.75/96	3.75/96	3.75/96	3.75/96

¹ All dimensions ± 0.30 in/8mm.



1. Square Chassis And Composite Drain Pan
Compact base fits in more spaces.



2. Easy Access
East maintenance access from any side.



3. Vibration Isolation
Less vibration for quieter operation.