

CLIMATE

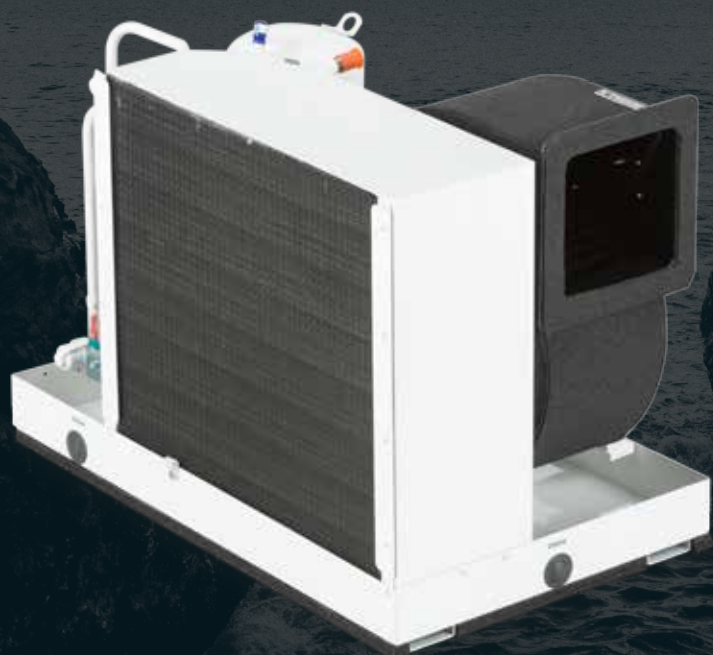
# COMPACT SELF-CONTAINED A/C

Engineered to harness and maximize the impressive performance of environmentally safe R-410A refrigerant. These units offer direct expansion operation in a compact, low-profile unit with a seawater-cooled condenser and choice of controls.

**25% SMALLER**  
COMPACT DESIGN

**HIGH EFFICIENCY**  
QUIET & RELIABLE

**INCREASED CAPACITY**  
PATENTED DESIGN



115V/60Hz  
230V/60Hz  
220-240V/50Hz



18,000 - 30,000 BTU

# HIGH-CAPACITY AIR CONDITIONING IN A COMPACT PACKAGE

Model <sup>1</sup>	DCU18			DCU27		DCU30	
Capacity (BTU/h) <sup>2</sup>	18000			27000		30000	
Voltage (V)	115	230	220	230	220	230	380
Cycle (Hz) <sup>3</sup> /Phase (Ph)	60/1		50/1	60/1	50/1	60/1	50/3
Full Load Amps (FLA) Cool (A)	11.1	6.4	5.7	8	7.6	9.7	4.96
Full Load Amps (FLA) Heat (A)	15.1	8.3	7	11.2	11	12.8	5.96
Full Load Amps (FLA) Blower (A)	1.93	1.15		1.64		1.76	1.56
Locked Rotor Amps (LRA) (A)	66	32	26	58.3	60	53	38
Max. Circuit Breaker (A)	45	20		45	40	35	15
Min. Circuit Ampacity (A)	27	13		27	24	21	10
Refrigerant Type	R410A	R410A	R410A	R410A	R410A	410A	
Height-Coil (in/mm) <sup>4</sup>	14/356			18/458		N/A	N/A
Height-Blower (in/mm) <sup>4</sup>	15.5/394			19.25/489		N/A	N/A
Height-Compressor (in/mm) <sup>4</sup>	N/A	N/A	N/A	N/A	N/A	15/381	16.5/420
Width (in/mm) <sup>4</sup>	21/534			24.75/629		25/635	
Depth (in/mm) <sup>4</sup>	12/305			15.25/388		23/585	
Min. Supply Duct Size (in/mm)	7/178			8/204		5/127	
Quantity-Duct Connections	1			1		2	
Min. Supply Air Grille Size (sq in/sq cm)	100/646			140/904		150/968	
Min. Return Air Grille Size (sq in/sq cm)	200/1291			240/1549		250/1613	
Seawater Inlet Connection (in/mm)	0.625/16			0.625/16		0.625/16	
Net Weight (lbs/kg) <sup>5</sup>	64/29.1	69.45/31.6	70/31.8	120/54.5		108.25/49.2	TBD
Gross Weight (lbs/kg) <sup>5</sup>	73/33.2	81/36.8	82/37.2	130/59		125/57.4	TBD

<sup>1</sup> To complete the model numbers for a specific voltage/cycle/phase, add a '-1161' for 115V/60Hz/1-Phase, or '-2361' for 230V/60Hz/1-Phase, followed by '-410A' (e.g. 'DCU27-2361-410A').

<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 states otherwise.

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

<sup>5</sup> All weights ± 10%.



## 1. COMPACT

Compact design reduces unit size by up to 25% of the original size



## 2. CONFIGURABLE BLOWERS

High-velocity (HV) fully-insulated blowers are rotatable



## 3. INNOVATIVE STABLE DESIGN

Unique compressor and reversing valve mounting reduces vibration