MarinAire®
The Comfort You Deserve

2025 Air Conditioning Sizing and Pricing Matrix

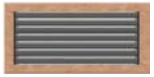
1. Define what ***type*** of cabin(s) is to be cooled.
2. Select approximate ***volume of free air space*** (i.e. not including cabinets, bunks, etc.) in cubic feet (cu ft).
3. Find appropriate ***Unit, Pump***, and ***Grille Kit***.

START HERE

AIR CONDITIONING UNIT		Cabin Volume Cu ft (max)					PUMP	GRILLES		GRILLE KITS - TEAK			GRILLE KITS - PLASTIC		
	Below Decks - Night Cabin:	500	750	920	###	###	Sea Water Pump Size	Minimum Non-Closing Discharge Grille Area	Minimum Return Air Grille Area	One Outlet Duct Kit Teak	Two Outlet Duct Kit Teak	Three Outlet Duct Kit Teak	One Outlet Duct Kit Plastic	Two Outlet Duct Kit Plastic	Three Outlet Duct Kit Plastic
	Below Decks - Day Cabin:	450	650	800	###	###									
	Salon etc. - Excessive glass:	350	550	650	850	950									
	Raised Pilot House:	300	450	550	700	800									
Model	MSWA6K2 - 6,000Btu	X					P250	50 sq in	90 sq in	DK6-1T	DK6-2T		DK6-1P	DK6-2P	
Price	$2,032						$363			$306	$495		$169	$236	
Model	MSWA9K2 - 9,000 Btu		X				P250	60 sq in	100 sq in	DK9/11-1T	DK9/11-2T	DK9/11-3T	DK9/11-1P	DK9/11-2P	DK9/11-3P
Price	$2,143						$363			$355	$620	$796	$204	$346	$399
Model	MSWA11K2 - 11,000 Btu			X			P500	60 sq in	120 sq in	DK9/11-1T	DK9/11-2T	DK9/11-3T	DK9/11-1P	DK9/11-2P	DK9/11-3P
Price	$2,421						$417			$355	$620	$796	$204	$346	$399
Model	MSWA14K2 - 14,000 Btu				X		P500	70 sq in	140 sq in	DK14/16-1T	DK14/16-2T	DK14/16-3T	DK14/16-1P	DK14/16-2P	DK14/16-3P
Price	$2,554						$417			$375	$640	$817	$204	$346	$399
Model	MSWA16K2 - 16,000 Btu					X	P500	70 sq in	140 sq in	DK14/16-1T	DK14/16-2T	DK14/16-3T	DK14/16-1P	DK14/16-2P	DK14/16-3P
Price	$2,699						$417			$375	$640	$817	$204	$346	$399

Options and Extras	***Price***	***Notes***
Longer Duct - 4 inch dia x 8 ft	$23	Standard duct lengths are in multiples of 8 ft. Prices shown are for additional 8 ft length to standard issue.
Longer Duct - 6 inch dia x 8 ft	$32	
Upgrade: Non Insulated Duct - 4" dia	Add $37	Standard ducting R6 Insulated with silver cover. Upgrade to Non-Insulated vinyl coated fibreglass with galvanized wire helix.
6" dia	Add $55	
Change T and Y Duct Splitters	No Charge	Standard Duct Splitters are Adapter T and Hose Y, but T can be changed to Y and/or vice versa.
Transition Box Back or Side ring	No Charge	Standard Transition Box (TB) has duct connection on back (B), but these are also available with duct connection on Side (S).
Color of 4" Round Plastic Grille	No Charge	Standard color - Brown. Also available in Black, White, and Off White.
Color of other Plastic Grilles	No Charge	Standard color - Gloss White. Also available in Mottled Black.
Pump Relay for Multiple Units	$386	Enables one sea water pump to operate from 2-6 air conditioning units.
P1000 Pump for Multiple Units	$451	March P1000 pump can supply sea water for several air conditioning units up to a total of 40,000 Btu.
Stainless Steel base for P500	$50	Standard base is plastic. Optional base is stainless steel with vibration absorbers. Simple two-screw mounting.
230v-60Hz or 240v-50Hz Power	Inquire	Standard power supply is 115v-60Hz. Units for 230v-60Hz and 240v-50Hz available. Pricing on request.
Hose, PVC, 5/8" ID	$2.88/ft	Kink resistant, red, twin-wall PVC hose with yarn reinforcement. Use on all runs on discharge side of pump.
Wood Grilles in Other Woods	Inquire	Standard wooden grilles are teak. Other woods available by request.
EasyStart Soft-Start Device	$299	Reduces compressor start-up load by over 50%. Simple 4 wire connection inside MarinAire electrical box. Instructions included.

TEAK GRILLE DUCT KITS

6,000 Btu	Main Grille	Transition Box	Secondary Grille (Closeable)	Secondary Transition Box	Return Grille	Adapter T	Hose Y	Duct	Hose Clamps
									
One Outlet - DK6-1T	VHT 104	TB104-4B			RAT 118			4" x 8'	2 x #64
Two Outlet - DK6-2T	VHT 104	TB104-4B	VMLT-44	TB 44-4B	RAT 118		HBY 444	4" x 16'	4 x #64

9,000 Btu and 11,000 Btu

One Outlet - DK9/11-1T	VHT 125	TB125-6B			RAT 1012			6" x 8'	2 x #96
Two Outlet - DK9/11-2T	VHT 125	TB 125-6B	VMLT-44	TB 44-4B	RAT 1012	AT 664		6"x8', 4"x16'	2 x #96, 2 x #64
Three Outlet - DK9/11-3T	VHT 125	TB 125-6B	2 x VMLT-44	2 x TB 44-4B	RAT 1012	AT 664	HBY 444	6"x8', 4"x16'	2 x #96, 6 x #64

14,000 Btu and 16,000 Btu

One Outlet - DK14/16-1T	VHT 126	TB126-6B			RAT 169			6" x 8'	2 x #96
Two Outlet - DK14/16-2T	VHT 126	TB126-6B	VMLT-44	TB 44-4B	RAT 169	AT 664		6"x8', 4"x16'	2 x #96, 2 x #64
Three Outlet - DK14/16-3T	VHT 126	TB126-6B	2 x VMLT-44	2 x TB 44-4B	RAT 169	AT 664	HBY 444	6"x8', 4"x16'	2 x #96, 6 x #64

PLASTIC GRILLE DUCT KITS

6,000 Btu	Main Grille	Secondary Grille (Closeable)	Return Grille	Adapter T	Hose Y	Duct	Hose Clamps
							
One Outlet - DK6-1P	PGA10x4R-4B		PG10x8RF			4" x 8'	2 x #64
Two Outlet - DK6-2P	PGA10x4R-4B	R4A-BN	PG10x8RF		HBY 444	4" x 16'	4 x #64

9,000 Btu and 11,000 Btu

One Outlet - DK9/11-1P	PGA12x5R-6B		PG16x8RF			6" x 8'	2 x #96
Two Outlet - DK9/11-2P	PGA12x5R-6B	R4A-BN	PG16x8RF	AT 664		6"x8', 4"x16'	2 x #96, 2 x #64
Three Outlet - DK9/11-3P	PGA12x5R-6B	2 x R4A-BN	PG16x8RF	AT 664	HBY 444	6"x8', 4"x16'	2 x #96, 6 x #64

14,000 Btu and 16,000 Btu

One Outlet - DK14/16-1P	PGA12x6R-6B		PG14x10 RF			6" x 8'	2 x #96
Two Outlet - DK14/16-2P	PGA12x6R-6B	R4A-BN	PG14x10 RF	AT 664		6"x8', 4"x16'	2 x #96, 2 x #64
Three Outlet - DK14/16-3P	PGA12x6R-6B	2 x R4A-BN	PG14x10 RF	AT 664	HBY 444	6"x8', 4"x16'	2 x #96, 6 x #64

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Components may not exactly match those shown.

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