CLIMATE

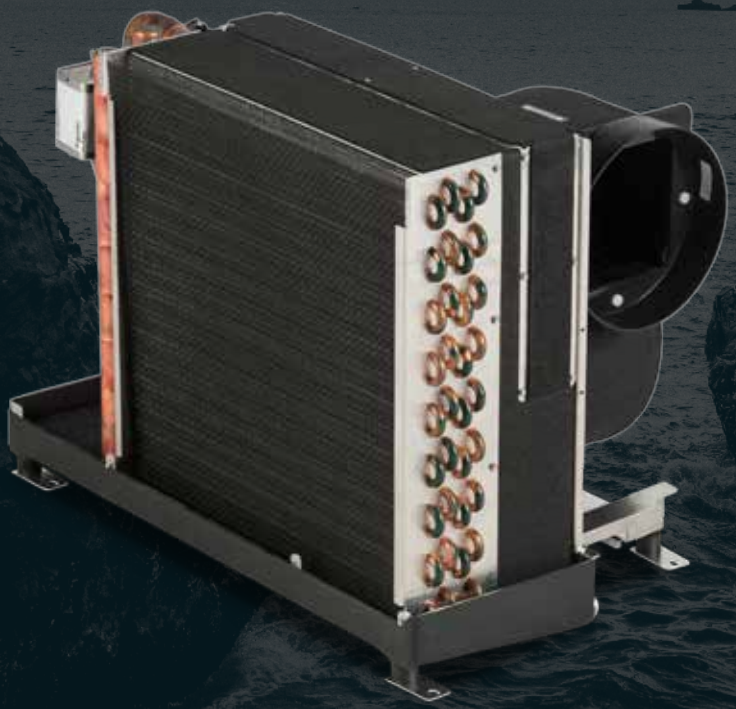
AT-HV
AIR HANDLERS

The AT-HV series of air handlers for marine HVAC chilled water systems are draw-though (ducted) units with high-velocity (HV) blowers. The AT-HV series replaces Flex-Duct and Draw-Through series air handers, and has many improvements and options over the older units.

INSULATED HV BLOWERS
ROTATABLE

CORROSION-RESISTANT
DURABLE

POSITIVE-FLOW DRAIN PAN
REDUCES STANDING WATER



AC

115V/50 OR 60Hz
230V/50 OR 60 Hz

4,000 -36,000 BTU

Mobile living made easy.

DOMETIC

COMPACT UNITS WITH OPTIONAL DC "WHISPERCOOL"

Model [1]	**AT4HV**		**AT6HV**		**AT9HV**		**AT12HV**		**AT18HV**		**AT24HV**		**AT36HV**
Nominal Capacity - Cool (BTU/h)	4000		6000		9000		12000		18000		24000		36000
Voltage @ 50/60Hz 1-Ph (V)	115	230	115	230	115	230	115	230	115	230	230	115	230
Full Load Amps (FLA) **Cool** (A)	1.06	0.41	1.6	0.83	1.1	0.6	1.5	0.7	2.3	1.18	1.15	2.3	1.62
Full Load Amps (FLA) **Blower** (A)	0.8	0.4	1.2	0.6	1.4	0.7	1.4	0.7	2.2	1	1	2.2	1.6
Optional Electric Heat (kW)	N/A		1		1.5		2		3		3		4
Max. Circuit Breaker (A)	5		5		5		5		5		5		5
Min. Circuit Ampacity (A)	2	1	2		2	1	2	1	3	2	2	3	3
Water Flow (gpm/lpm)	1/3.8		1.5/5.7		2.3/8.8		3/11.4		4.5/17.1		6/22.8		9/34.1
Air Flow (cfm/m3h)	130/221		229/390		278/473		338/575		465/791		506/860		676/1149
External Static Pressure (in H_2O/Pa)	0.3/74.7		0.3/74.7		0.3/74.7		0.3/74.7		0.3/74.7		0.3/74.7		.03/74.7
Min. Height (in/mm) [2]	9.75/248		10.25/261		12.13/309		12.05/307		15/381		15.94/405		19.75/502
Max. Height (in/mm) [2]	9.75/248		11.25/286		13.31/339		13.88/353		15/381		15.94/405		19.75/502
Max. Width (in/mm)	15/381		15.25/388		16.88/429		18.75/477		20.38/518		22.63/575		26.63/677
Max. Depth (in/mm) [2 3]	10.25/261		12.38/315		12.13/309		12.38/315		13.5/343		15/381		15.81/402
Drain Connection Size (in/mm)	0.5/13		0.5/13		0.5/13		0.5/13		0.5/13		0.5/13		0.5/13
Drain Connection Type	FPT		FPT		FPT		FPT		FPT		FPT		FPT
Chilled Water Connection Size (in/mm)	0.5/13		0.5/13		0.5/13		0.5/13		0.5/13		0.5/13		1/26
Chilled Water Connection Type	FPT		FPT		FPT		FPT		FPT		FPT		FPT
Min. Supply Duct Size (in/mm)	4/102		5/127		6/153		6/153		7/178		8/204		8/204
Min. Supply Air Grille Size (sq in/sq cm)	32/207		35/226		49/317		70/452		100/646		140/904		196/1265
Min. Return Air Grille Size (sq in/sq cm)	64/413		70/452		98/633		130/839		200/1291		240/1549		360/2323
Height-Electrical Box (in/mm)	8/204		8/204		8/204		8/204		8/204		8/204		8/204
Width-Electrical Box (in/mm)	6.13/156		6.13/156		6.13/156		6.13/156		6.13/156		6.13/156		6.13/156
Depth-Electrical Box (in/mm)	2/51		2/51		2/51		2/51		2/51		2/51		2/51

[1] 'HV' indicates high-velocity blower. Model numbers shown are for 115V units with high-velocity (HV) blowers. Add a 'Z' for 230V units; add '-FC' for optional flow control; add '-L__' or '-R__' for valve position (relative to the coil) and angle of the blower; add '__kW' for amount of optional electric heat in kilowatts (for ex. 1.5 kW). See DWG H3050002 for a visual explanation of valve orientation and blower angle.

[2] All dimensions ± 0.30 in/8 mm.

[3] Max. depth for AT36HV with flow control option. Reduce by 1.75 in/45 mm without flow control.

Mobile living made easy.

BLOWERS

DOMETIC

Model[1]	**AT6DC**	**AT9DC**	**AT12DC**	**AT18DC**	**AT24DC**	**AT36DC**
Nominal Capacity - Cool (BTU/h)	6000	9000	12000	18000	24000	36000
Voltage @ 50/60Hz 1-Ph (V)	230	230	230	230	230	230
Full Load Amps (FLA) **Cool** (A)[2]	1.4	1.4	3.2	3.9	3.9	3.9
Full Load Amps (FLA) **Blower** (A)	1.4	1.4	3.2	3.9	3.9	3.9
Optional Electric Heat (kW)	1	1	1.5	1.5	3	3
Heater Amps (A)	4.3	4.3	6.5	6.5	13	13
Max. Circuit Breaker (A)	5	5	5	5	5	5
Min. Circuit Ampacity (A)	2	2	4	5	5	5
Water Flow (gpm/lpm)	1.5/5.7	2.25/8.6	3/11.4	4.5/17.1	6/22.8	9/34.1
Air Flow (cfm/m3h)	200/340	300/510	400/680	600/1020	700/1190	800/1360
External Static Pressure (inH2O/Pa)	2.9/722.1	2.8/697.2	2.6/647.4	2.1/522.9	1.4/348.6	0.5/124.
Min. Height (in/mm)[3]	11.08/282	11.79/300	12.05/307	14.83/377	16.7/425	16.74/426
Max. Height (in/mm)[3]	13.63/347	13.73/349	13.94/355	16.94/431	16.7/425	19.74/50
Max. Width (in/mm)[3]	14.81/377	16.48/419	18.75/477	20.08/511	22.48/571	26.41/671
Max. Depth (in/mm)[3]	14.27/363	14.55/370	14.49/369	14.83/377	16.42/418	17.15/436
Drain Connection Size (in/mm)	0.5/13	0.5/13	0.5/13	0.5/13	0.5/13	0.5/13
Drain Connection Type	FPT	FPT	FPT	FPT	FPT	FPT
Chilled Water Connection Size (in/mm)	0.5/13	0.5/13	0.5/13	0.5/13	0.5/13	1/26
Chilled Water Connection Type	FPT	FPT	FPT	FPT	FPT	FPT
Min. Supply Duct Size (in/mm)	5/127	6/153	6/153	7/178	8/204	8/204
Min. Supply Air Grille Size (sq in/sq cm)	35/226	49/317	70/452	100/646	140/904	196/1265
Min. Return Air Grille Size (sq in/sq cm)	70/452	98/633	130/839	200/1291	240/1549	360/2323
Height-Electrical Box (in/mm)	8/204	8/204	8/204	8/204	8/204	8/204
Width-Electrical Box (in/mm)	6.13/156	6.13/156	6.13/156	6.13/156	6.13/156	6.13/156
Depth-Electrical Box (in/mm)	2/51	2/51	2/51	2/51	2/51	2/51

[1] 'DC' indicates optional brushless "WhisperCool" (DC) blowers. 'Z' indicates 230V. Add '-FC' for optional flow control; add '-LX' or '-RX' for valve position (relative to the blower side of the coil) and angle of the blower ('-R0' is the default); add '#kW' for amount of optional electric heat in kilowatts.

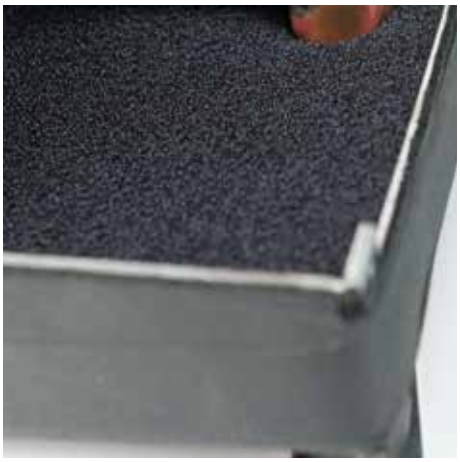
[2] Blower amps will be reduced at lower speed/cfm or higher static pressure. Amps listed are at free air.

[3] All dimensions ± 0.30 in/8 mm.

COMPACT UNITS WITH OPTIONAL DC "WHISPERCOOL" BLOWERS

1. STAY COOL
Improved cooling and dehumidification

2. OPTIONAL DC "WHISPERCOOL" BLOWERS
Extremely quiet yet powerful



3. CLEANER DRAIN PAN
Drain pan has anti-slosh, anti-fungal foam lining