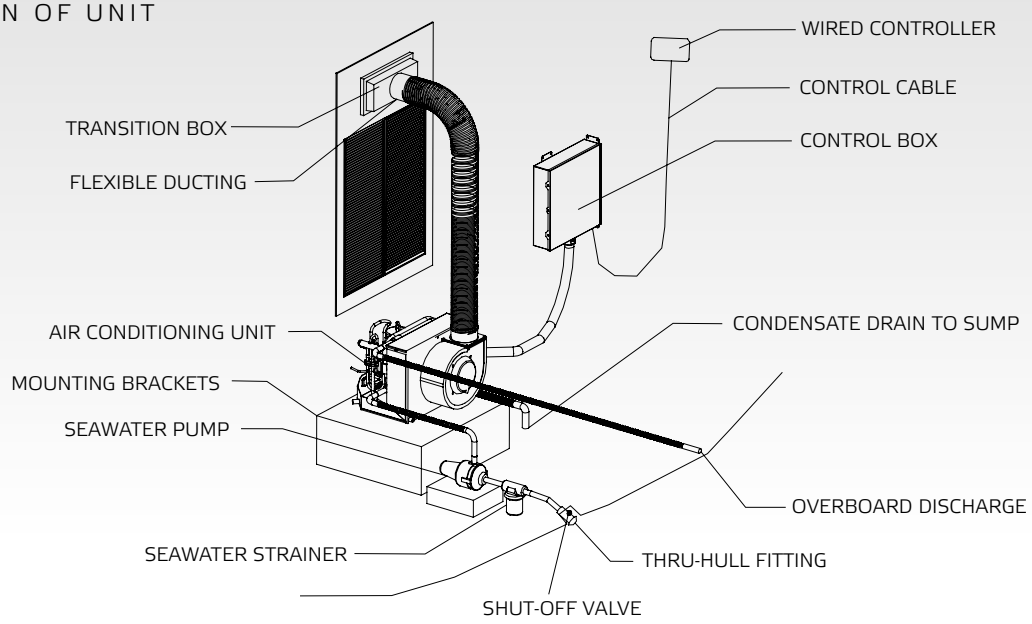
WATER-TO-AIR HEAT PUMP

BOAT SERIES

MODEL			ASB-05A	ASB-09A	ASB-12A	ASB-16A	ASB-24A
Capacity cooling / heating 12)	Nominal (min-max)	kW	1,1 / 1,4	2,1 / 2,2	3,1 / 3,2	3,2 / 4,0	6,4 / 6,7
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Power input cooling / heating 1)	Frequency / Voltage	W	560 / 530	900 / 880	1100 / 1100	1200 / 1300	1450 / 1750
Maximal power input 2)		W	800 / 750	1350 / 1100	1600 / 1700	1650 / 1650	2400 / 2700
Power current cooling / heating		A	3,5 / 3,4	4,9 / 4,8	6,1 / 6,0	6,0 / 6,1	6,8 / 8,2
Maximal power current 2)		A	6,2 / 6,1	7,3 / 7,0	9,0 / 9,0	8,2 / 8,6	11,5 / 11,8
EER / COP			1,96 / 2,64	2,33 / 2,50	2,82 / 2,91	2,67 / 3,08	4,41 / 3,80
Air flow of ID	H	m^3 / h	320	450	466	590	951
Sound pressure of ID 4)	H	dB(A)	58	58	58	62	60
Sound power of ID 4)	H	dB(A)	68	68	68	72	70
Refrigerant type / charge		Type / kg / t ekv.CO_2	R410A / 0,32 / 0,67	R410A / 0,34 / 0,71	R410A / 0,53 / 1,11	R410A / 0,46 / 0,96	R410A / 0,95 / 1,98
Dimension of ID	w × h × d	mm	285 × 408 × 295	380 × 408 × 310	380 × 420 × 330	450 × 465 × 330	595 × 529 × 386
Package dimension of ID	w × h × d	mm	594 × 493 × 360	683 × 513 × 360	608 × 533 × 395	663 × 558 × 395	853 × 638 × 440
Weight of ID	netto / brutto	kg	25,5 / 30,0	28,0 / 33,0	33,0 / 38,0	37,5 / 43,5	60,5 / 68,0
Set temperature range		°C	16~30	16~30	16~30	16~30	16~30
Operating temperature range cooling 8)		°C	16~43	16~43	16~43	16~43	16~43
Operating temperature range heating 8)		°C	-10~30	-10~30	-10~30	-10~30	-10~30
Operating temperature range cooling 8)	water	°C	10~35	10~35	10~35	10~35	10~35
Operating temperature range heating 8)	water	°C	4~25	4~25	4~25	4~25	4~25
STANDARD ACCESSORIES							
Standard health filter			-				
Remote controller (IR)			YX1F				
Wired controller			✔				

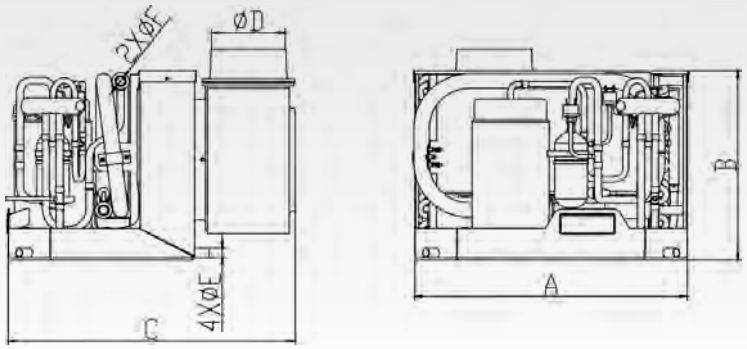
The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label.
R410A (50% HFC-32, 50% HFC-125), GWP 2088
Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
Explanatory notes on the very last page of the catalogue.

INSTALLATION OF UNIT



APPEARANCE, DIMENSIONS AND WIRING OF UNITS

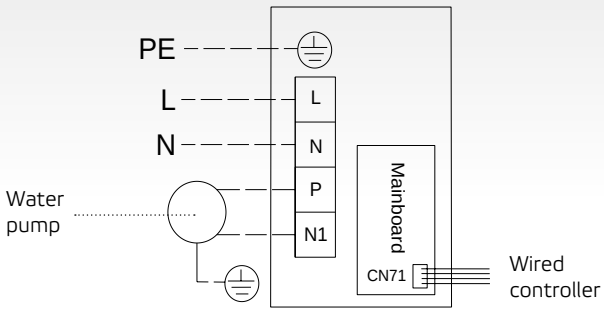
BOAT SERIES



units: mm

	A	B	C	D	E	F
ASB-05A	285	295	408	91,5	16	19
ASB-09A	380	310	408	91,5	16	19
ASB-12A	380	330	420	119,4	16	19
ASB-16A	450	330	465	119,4	16	19
ASB-24A	529	386	595	119,4	16	19

ELECTRICAL WIRING DIAGRAM



PACKAGE CONTENTS

	Package Include
Wired Controller	✔
Remote Controller	✔
Communication Cable of Wired Controller (8 m)	✔
Power Supply Wire	-
Inlet / Outlet water pipe	-
Fixed board	-
Condensing drain pipe	-
Flexible Ducting	-
Air Diffuser	-
Air Return Grill	-
Water pump	-
Filter	-