



HEINEN & HOPMAN

PRODUCTS

> Package Unit



OUTSIDE 35°C
HUMIDITY 90%

22°C Inside

PROVIDED BY
HEINEN & HOPMAN



Heating



Ventilation



Air Conditioning



Refrigeration

PACKAGE UNIT

The package unit type HH-PU is a compact unit specially designed for marine installations as air supply for single pipe and or dual pipe systems on board of ships and platforms.

The HH-PU contains of air handling unit and cooling plant.

The air handling unit consist of:

- Air mixing section: with air regulating valves.
- Filter section: cleanable filters, type filtermats P15/500
- Heating section: electrical, thermal oil, steam or hot water coil
- Cooling section: with cooling coil of 100% of the total cooling capacity for direct expansion R-407C (optional: R134A).
- Humidifier section: steam humidifier, complete with hygrostat and solenoid valve and droplet separator (optional).
- Fan section: centrifugal fan complete with flexible and vibration/mounted, suitable for medium pressure.
- Plenum section: with air duct connection or flanges (optional).

The cooling plant consist of:

- Compressor: semi-hermetic
- Condenser: shell and tube condenser
- Frame: Galvanized steel or stainless steel including vibration dampers
- Control starter Panel: all necessary control equipment for accurate control of correct working of the package unit.

Control panel

The control comprises the following functions:

- Start and stop of fan
- Control of heating capacity
- Control of cooling capacity
- Start and stop of compressor motor
- Potential free contact for common alarm signal

The units comply according to EN 1886 and EN 378, design according to other International standards are available on request.

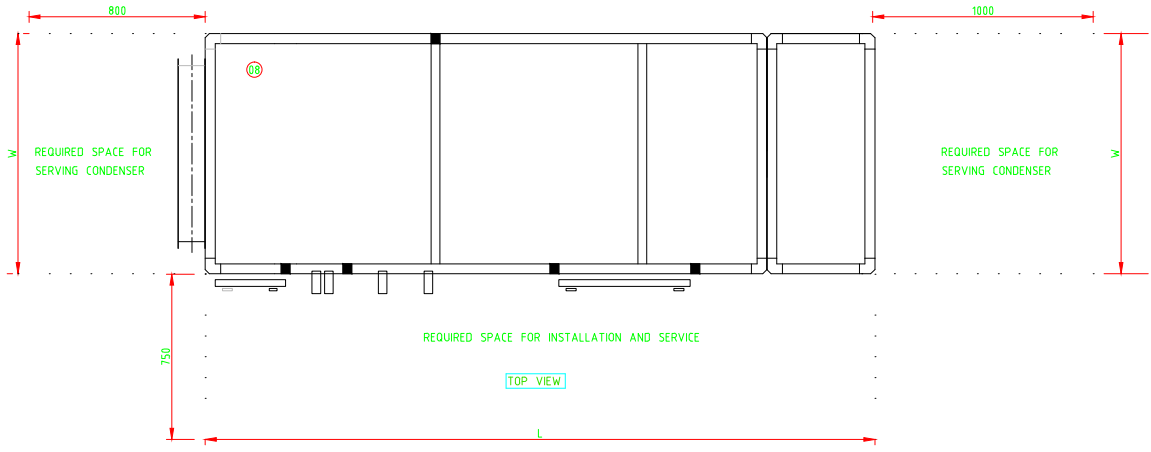
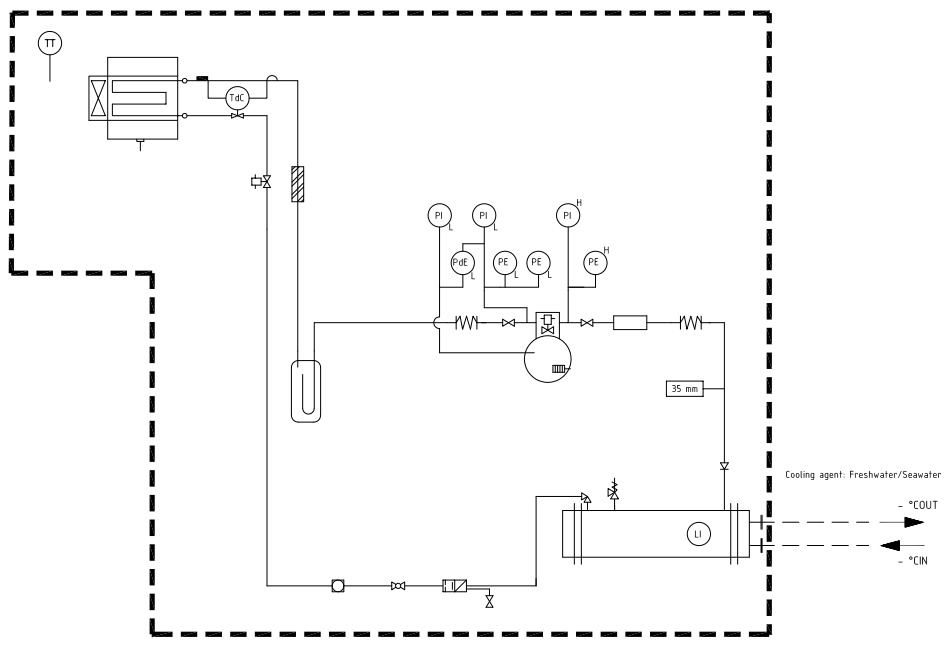
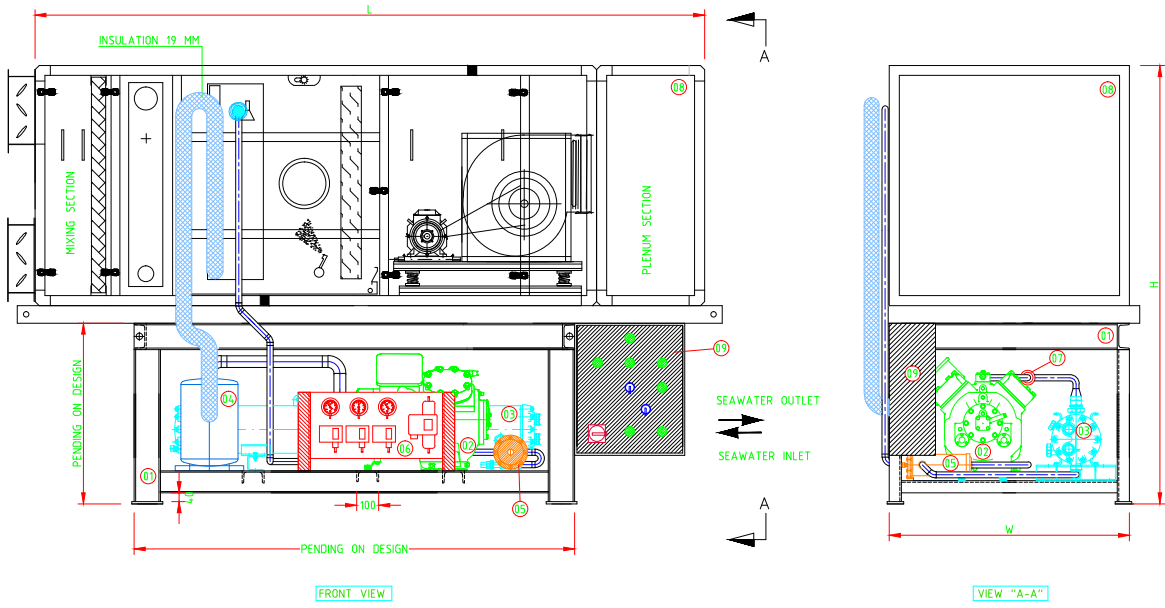
Selection 50Hz

Type	HH-PU 1	HH-PU 2	HH-PU 3	HH-PU 4
Air Quantity Range (m³/hr)	1500 - 3500	3500 - 7000	7000 - 11000	11000 - 15000
Static Pressure Range (Pa)	800 - 1200	800 - 1200	1000 - 1400	1000 - 1400
Cooling Capacity Range (kW)	30 - 65	65 - 95	95 - 135	135 - 170
Compressor Power Range (kW)	9 - 18	18 - 26	26 - 39	39 - 45
Condenser Water Flow at 32°C (m³/hr)	6 - 8	8 - 12	12 - 19	19 - 20
Condenser Water Flow at 38°C (m³/hr)	10 - 15	15 - 22	22 - 33	33 - 36
Heating Capacity Range (kW)	20 - 50	50 - 100	70 - 150	140 - 220
Fan Motor Power Consumption (kW)	1,5 - 3	3 - 5,5	5,5 - 11	11 - 15
Current	3ph - 400V - 50 Hz			
Class	IP 54 isol. F			
Dimension (L x W x H) in mm	2650×1030×1660	3050×1260×1960	3150×1530×2080	3350×1800×2230

Optional: 60Hz

Alternatives available on request.

Due to continuous product development, Heinen & Hopman reserves the right to introduce alterations without prior notice.



POS	QTY	DESCRIPTION
09	1	Electr. Control Panel
08	1	A.H.U.
07	1	Muffler
06	1	Gauge panel
05	1	Filter
04	1	Liquid Seperator
03	1	Condensor
02	1	Compressor
01	1	Frame
POS	QTY	DESCRIPTION

LEGEND

	- INSULATION 19mm		- EXPANSION VALVE
	- LEVEL INDICATOR		- PRESSURE CONTROLLER
	- ANNACONDA		- TEMPERATURE TRANSMITTER
	- PRESSOSTAT		- TEMPERATURE INDICATOR
	- PRESSURE INDICATOR		- FLOW SWITCH
	- CAPACITY CONTROLLER		- VIBRATION DAMPER
	- BALL VALVE		- HEATEXCHANGER
	- SOLENOID VALVE		- OIL SEPERATOR
	- NON RETURN VALVE		- HEATER
	- FILTER-DRIER		- COMPRESSOR
	- SIGHTGLASS		- EVAPORATOR
	- SAFETY RELIEVE VALVE		- WATER COOLED CONDENSER
	- E-MOTOR		- DRAIN HEATER

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Heinen & Hopman encourages a more sustainable world. By providing eco-friendly solutions and services we offer our clients the option of reducing energy consumption and thus CO2 emissions. Visit greenmanifest.info for more information.



www.heinenhopman.com



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