



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 an air handling unit and a 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.

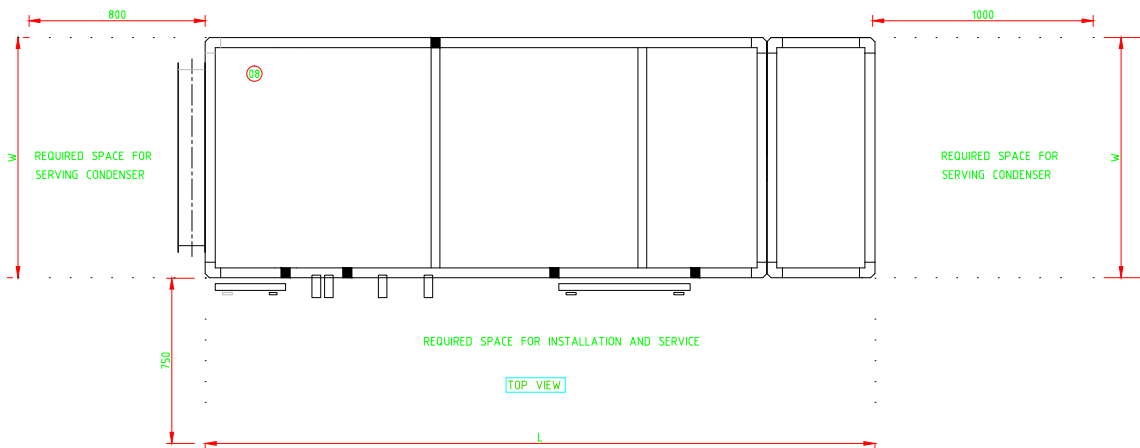
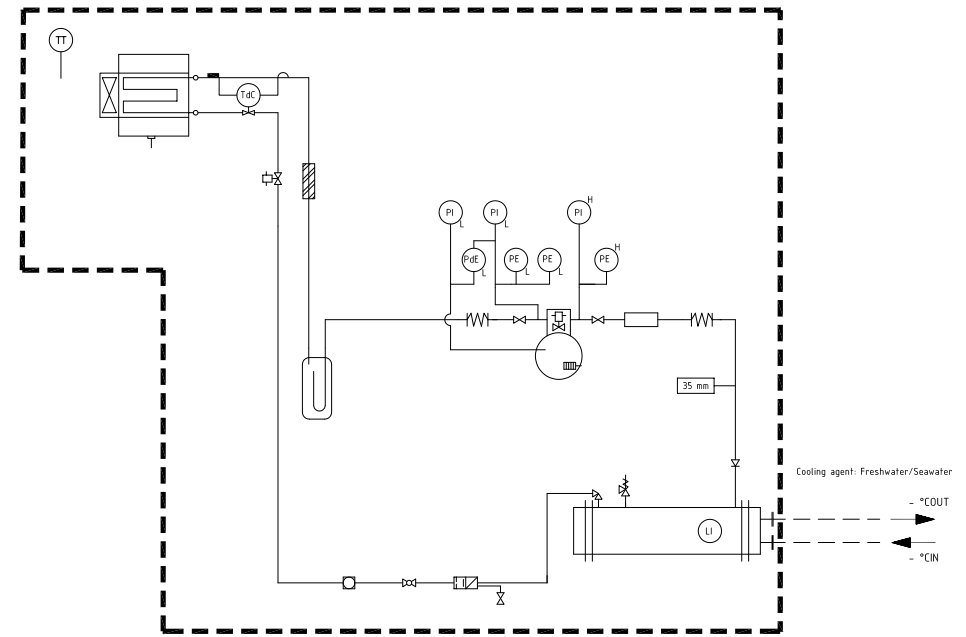
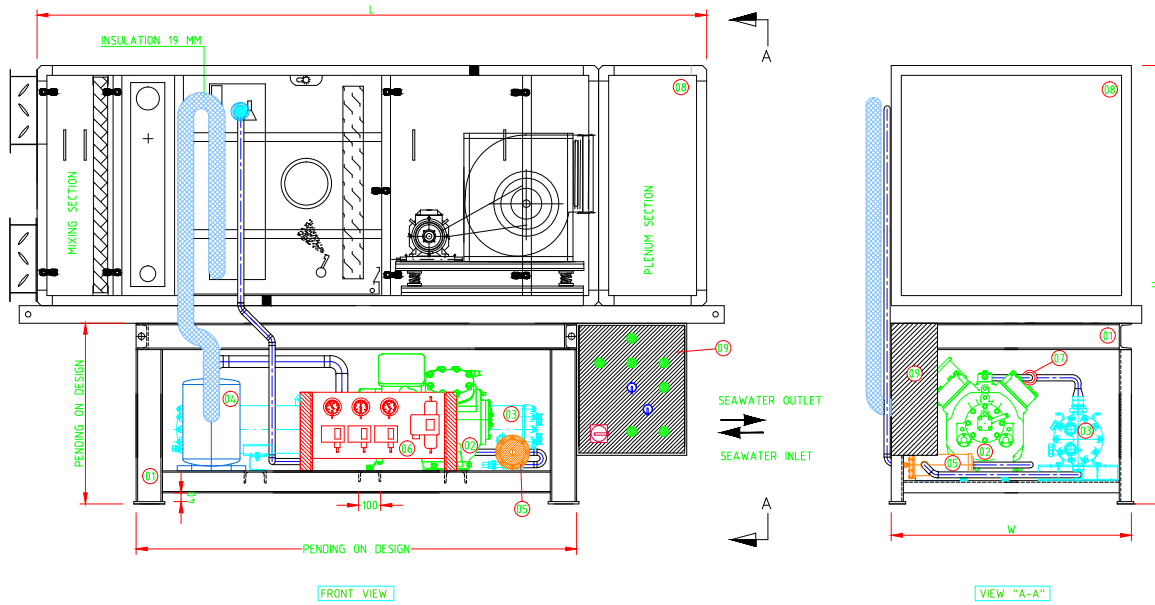
Selection 50Hz

| 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 |

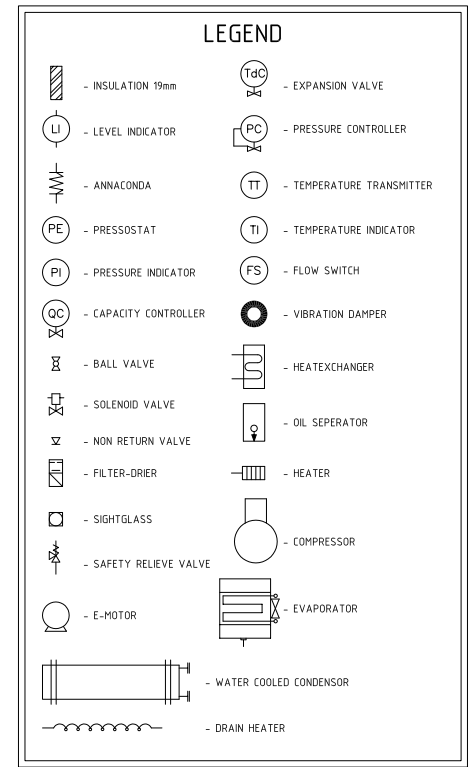
Optional: 60Hz

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 |



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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.




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