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| Document Title :  **Technical P.O Specification**  **for Air Conditioning System** | | | | | | | | | | | | |
| Project: | | | | | | | | | | | | |
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| Rev. | Status | Date  (DD.MM/YY) | Description | | | | Prepared by | | | Checked by | Approved by | |
| 워터마크.JPGContractor Logo | | | | | | Company Logo | | | | | | |
| SHI Project Number: | | | | | Facilities: | | | | SFI Code: | | | |
| Contractor Document Number | | | | - | | | | Rev. No. | | | | - |
| Company Document Number | | | | - | | | | Rev. No. | | | | - |
| Design discipline | | | | **ACCOMMODATION DESIGN** | | | | As-Built (Y/N) | | | | **N** |
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**Revision Record**

| **Revision Log** | | |
| --- | --- | --- |
| **Rev** | **Section** | **Description of Revision** |
| 0 | All | First issue for review. |
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# INTRODUCTION

# GENERAL REQUIREMENT

## Rules, Regulation and General Specification

## Responsibility

# HVAC DESIGN CRITERIA

## Plant capacity design conditions.

|  |  |  |  |
| --- | --- | --- | --- |
|  | |  |  |
| Cooling |  |  |  |
|  |  |  |
| Heating |  |  |  |
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## Heating, Humidification, Cooling medium and Fresh/Return air.

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## Refrigerating plant and AHU location.

## Deck height and ceiling height.

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## Heat dissipation

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|  |  | Heat dissipation, kW |
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## Type of Ventilation and Air change rate

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## Noise level

## Operation guide of HVAC system for loading and unloading

# SCOPE OF SUPPLY

## Air conditioning system

### A/C Refrigerating plant

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Component** | **Specification** | | | **Remarks** |
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**4.1.1.1 Compressor controls and fittings**

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**4.1.1.2 Condenser controls and fittings**

### Central Air Handling Unit

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| --- | --- | --- | --- |
| **Component** | **Specification** | | **Remarks** |
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### HVAC Control panel (If apply to PLC)

### Temperature control

**In summer:**

**In winter:**

**In intermediate seasons:**

.

***~~Re-heater :~~***

## Mechanical ventilation fans

### Supply ventilation fans

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Served space | Qty | Remarks | Application |
| 1 |  |  |  |  |

### Extract ventilation fans

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Served space | Qty | Remarks | Application |
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## Separate air conditioning unit (PACU)

### Galley PACU

|  |  |
| --- | --- |
| Q’ty/ship |  |
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### Electrical equipment room PACU

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### Cargo switchboard room# 1.

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### Cargo switchboard room# 2.

|  |  |
| --- | --- |
| Q’ty/ship |  |
| Capacity |  |
|  |
| Air discharge |  |
| Function |  |
| Cooling water |  |
| Refrigerant |  |
| Air flow |  |
| Max. Noise level |  |
| Location |  |

## Air distribution and Ducting

## Piping

## Lubricating oil and refrigerant

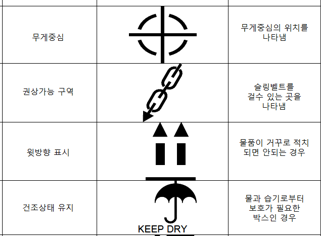
## Spare parts, Tools and Identification plates

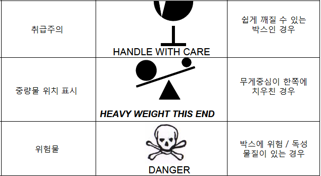
## Drawings and Documents

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# EQUIPMENT AND INSTRUMENTS GENERAL REQUIREMENTS

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# Inspection and function Test

# Miscellaneous (if required)