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| Document Title :**Technical P.O Specification****for Air Conditioning System** |
| Project:  |
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| 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**

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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:**

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***~~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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		2.

### Cargo switchboard room# 1.

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* + 1.
		2.
		3.

### 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)