PRODUCT & SPECIFICATION (Marine division)

PB TYPE
MARINE BOILER

Note:
1. Dimension: Boiler body (Excluding insulation)
2. Dry weight: Boiler body (Excluding water)
3. Working pressure: According to requirement

Dimension table

<table>
<thead>
<tr>
<th>Type</th>
<th>Steam Capacity (ton/hr)</th>
<th>Working pressure (kg/cm²)</th>
<th>Dimmension (mm)</th>
<th>Dry weight (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB01</td>
<td>12</td>
<td>7.0/16.0</td>
<td>2,500</td>
<td>5,950</td>
</tr>
<tr>
<td>PB02</td>
<td>16</td>
<td>7.0/16.0</td>
<td>2,900</td>
<td>6,150</td>
</tr>
<tr>
<td>PB03</td>
<td>20</td>
<td>7.0/16.0</td>
<td>3,050</td>
<td>6,300</td>
</tr>
<tr>
<td>PB04</td>
<td>25</td>
<td>7.0/16.0</td>
<td>3,150</td>
<td>7,150</td>
</tr>
<tr>
<td>PB05</td>
<td>30</td>
<td>7.0/16.0</td>
<td>3,400</td>
<td>7,350</td>
</tr>
<tr>
<td>PB06</td>
<td>35</td>
<td>7.0/16.0</td>
<td>3,700</td>
<td>7,200</td>
</tr>
<tr>
<td>PB07</td>
<td>40</td>
<td>7.0/16.0</td>
<td>3,700</td>
<td>7,600</td>
</tr>
<tr>
<td>PB08</td>
<td>45</td>
<td>7.0/16.0</td>
<td>4,100</td>
<td>7,550</td>
</tr>
<tr>
<td>PB09</td>
<td>55</td>
<td>7.0/16.0</td>
<td>4,350</td>
<td>7,600</td>
</tr>
</tbody>
</table>
PRODUCT & SPECIFICATION (Marine division)

PA TYPE MARINE BOILER

1. Dimension: Boiler body (Excluding insulation)
2. Dry weight: Boiler body (Excluding water)
3. Working pressure: According to requirement

<table>
<thead>
<tr>
<th>Type</th>
<th>Steam Capacity (ton/hr)</th>
<th>Working pressure (kg/cm²)</th>
<th>Dimmension (mm)</th>
<th>Dry weight (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA01</td>
<td>1.6</td>
<td>7.0</td>
<td>1,600</td>
<td>3,700</td>
</tr>
<tr>
<td>PA02</td>
<td>2.5</td>
<td>7.0</td>
<td>1,800</td>
<td>3,900</td>
</tr>
<tr>
<td>PA03</td>
<td>3.0</td>
<td>7.0</td>
<td>1,950</td>
<td>4,350</td>
</tr>
<tr>
<td>PA04</td>
<td>4.0</td>
<td>7.0</td>
<td>1,950</td>
<td>4,550</td>
</tr>
<tr>
<td>PA05</td>
<td>5.5</td>
<td>7.0</td>
<td>2,200</td>
<td>4,850</td>
</tr>
<tr>
<td>PA06</td>
<td>6.5</td>
<td>7.0</td>
<td>2,200</td>
<td>5,100</td>
</tr>
<tr>
<td>PA07</td>
<td>8.0</td>
<td>7.0</td>
<td>2,300</td>
<td>5,550</td>
</tr>
</tbody>
</table>
PRODUCT & SPECIFICATION (Marine division)

PC TYPE MARINE BOILER

- Note.
  1. Capacity: According to requirement
  2. PC type: Oil fired and exhaust gas boiler
     (Composite boiler)
PRODUCT & SPECIFICATION (Marine division)

PD TYPE MARINE BOILER

- Note.
  1. Dimension: Boiler body (Excluding insulation)
  2. Dry weight: Boiler body (Excluding water)
  3. Working pressure: According to requirement
  4. Dimension(W): Steam drum length
  5. For other capacities, please contact us

<table>
<thead>
<tr>
<th>Type</th>
<th>Steam Capacity (ton/hr)</th>
<th>Working pressure (kg/cm²)</th>
<th>Dimmension (mm)</th>
<th>Dry weight (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L</td>
<td>W</td>
<td>H</td>
<td></td>
</tr>
<tr>
<td>PD01</td>
<td>25</td>
<td>16/22</td>
<td>3,960</td>
<td>3,900</td>
</tr>
<tr>
<td>PD02</td>
<td>35</td>
<td>16/22</td>
<td>4,340</td>
<td>4,270</td>
</tr>
<tr>
<td>PD03</td>
<td>45</td>
<td>16/22</td>
<td>4,590</td>
<td>4,540</td>
</tr>
<tr>
<td>PD04</td>
<td>55</td>
<td>16/22</td>
<td>4,590</td>
<td>4,540</td>
</tr>
</tbody>
</table>
PRODUCT & SPECIFICATION (Marine division)

1. Dimension: Boiler body (Excluding insulation)
2. Dry weight: Boiler body (Excluding water)
3. Working pressure: According to requirement
4. Dimension (W): Steam drum length
5. For other capacities, please contact us

<table>
<thead>
<tr>
<th>Type</th>
<th>Steam Capacity (ton/hr)</th>
<th>Working pressure (kg/cm²)</th>
<th>Dimmension (mm)</th>
<th>Dry weight (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MD01</td>
<td>25</td>
<td>16/22</td>
<td>L 4,356</td>
<td>W 3,660</td>
</tr>
<tr>
<td>MD02</td>
<td>30</td>
<td>16/22</td>
<td>L 4,724</td>
<td>W 3,660</td>
</tr>
<tr>
<td>MD03</td>
<td>35</td>
<td>16/22</td>
<td>L 4,724</td>
<td>W 3,660</td>
</tr>
<tr>
<td>MD04</td>
<td>40</td>
<td>16/22</td>
<td>L 4,724</td>
<td>W 3,660</td>
</tr>
<tr>
<td>MD05</td>
<td>45</td>
<td>16/22</td>
<td>L 5,209</td>
<td>W 4,228</td>
</tr>
<tr>
<td>MD06</td>
<td>50</td>
<td>16/22</td>
<td>L 5,209</td>
<td>W 4,228</td>
</tr>
<tr>
<td>MD07</td>
<td>55</td>
<td>16/22</td>
<td>L 5,209</td>
<td>W 4,228</td>
</tr>
</tbody>
</table>
PRODUCTION & SPECIFICATION (Marine division)

1. Dimension: Boiler body (Excluding insulation)
2. Dry weight: Boiler body (Excluding water)
3. Working pressure: According to requirement

<table>
<thead>
<tr>
<th>Type</th>
<th>Steam Capacity (ton/hr)</th>
<th>Working pressure (kg/cm²)</th>
<th>Dimmension (mm)</th>
<th>Dry weight (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MH01</td>
<td>1.6</td>
<td>7.0</td>
<td>3,576 2,200 2,460</td>
<td>5.4</td>
</tr>
<tr>
<td>MH02</td>
<td>2.5</td>
<td>7.0</td>
<td>3,776 2,450 2,700</td>
<td>6.9</td>
</tr>
<tr>
<td>MH03</td>
<td>3.0</td>
<td>7.0</td>
<td>3,828 2,550 2,784</td>
<td>7.6</td>
</tr>
<tr>
<td>MH04</td>
<td>4.0</td>
<td>7.0</td>
<td>4,578 2,750 2,984</td>
<td>10.2</td>
</tr>
<tr>
<td>MH05</td>
<td>5.5</td>
<td>7.0</td>
<td>4,730 2,950 3,186</td>
<td>12.4</td>
</tr>
<tr>
<td>MH06</td>
<td>6.5</td>
<td>7.0</td>
<td>5,230 3,100 3,345</td>
<td>14.3</td>
</tr>
</tbody>
</table>

Note.
- Dimension: Boiler body (Excluding insulation)
- Dry weight: Boiler body (Excluding water)
- Working pressure: According to requirement
PRODUCT & SPECIFICATION (Marine division)

MS TYPE
MARINE BOILER

Note.
1. Dimension: Boiler body (Excluding insulation)
2. Dry weight: Boiler body (Excluding water)
3. Working pressure: According to requirement

Dimension table

<table>
<thead>
<tr>
<th>Type</th>
<th>Steam Capacity (ton/hr)</th>
<th>Working pressure (kg/cm²)</th>
<th>Dimmension (mm)</th>
<th>Dry weight (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS01</td>
<td>0.5</td>
<td>7.0</td>
<td>1,142</td>
<td>1,900</td>
</tr>
<tr>
<td>MS02</td>
<td>1.0</td>
<td>7.0</td>
<td>1,405</td>
<td>2,305</td>
</tr>
</tbody>
</table>
**PRODUCT & SPECIFICATION (Marine division)**

**EA TYPE**

**MARINE EXH. GAS BOILER**

- Note.
  1. Capacity: According to requirement
  2. EA type: Smoke tube, natural circulation with steam space
PRODUCT & SPECIFICATION (Marine division)

EM/EB TYPE
MARINE EXH. GAS ECONOMIZER

Note.
1. Capacity: According to requirement
2. EM type: Water fin tube, forced circulation with steam space.
3. EB type: Smoke tube, forced circulation without steam space.
PRODUCT & SPECIFICATION (Marine division)

SOx SCRUBBER
(EXHAUST GAS CLEANING SYSTEM)

- Note.
  1. Capacity : Up to 28,000m³/h

- Control panel for SOx SCRUBBER
PRODUCT & SPECIFICATION (Marine division)

INERT GAS SYSTEM
FOR TANKER (I.G.S)

Note.
1. Capacity: According to requirement
PRODUCT & SPECIFICATION (Marine division)

INERT GAS GENERATORS FOR TANKER (I.G.G)

Note.
1. Capacity: Up to 31,000m³/h
PRODUCT & SPECIFICATION (Marine division)

INERT GAS GENERATORS FOR LNG/LPG CARRIER (I.G.G)

Note.
1. Capacity : Up to 25,500m³/h
PRODUCT & SPECIFICATION (Marine division)

N₂ GENERATOR

- Note.
  1. Capacity: According to requirement
PRODUCT & SPECIFICATION (Marine division)

WASTE OIL INCINERATOR

Dimension table

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity (Kcal/hr)</th>
<th>Dimmension (mm)</th>
<th>Weight (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFB-32</td>
<td>320,000</td>
<td>L: 1,600</td>
<td>W: 1,635</td>
</tr>
<tr>
<td>KFB-50</td>
<td>520,000</td>
<td>L: 1,680</td>
<td>W: 1,870</td>
</tr>
<tr>
<td>KFB-73S</td>
<td>730,000</td>
<td>L: 1,910</td>
<td>W: 2,120</td>
</tr>
<tr>
<td>KFB-110S</td>
<td>1,100,000</td>
<td>L: 2,085</td>
<td>W: 2,405</td>
</tr>
<tr>
<td>KFB-129</td>
<td>1,290,000</td>
<td>L: 4,525</td>
<td>W: 2,265</td>
</tr>
</tbody>
</table>
PRODUCT & SPECIFICATION (Marine division)

CALORIFIER

■ Dimension table

<table>
<thead>
<tr>
<th>Type</th>
<th>Storage Capacity (Liter)</th>
<th>Dimmension (mm) D</th>
<th>H</th>
<th>Dry weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam &amp; Electric Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LF 01</td>
<td>200</td>
<td>530</td>
<td>1,750</td>
<td>230</td>
</tr>
<tr>
<td>LF 02</td>
<td>300</td>
<td>730</td>
<td>1,500</td>
<td>260</td>
</tr>
<tr>
<td>LF 04</td>
<td>500</td>
<td>750</td>
<td>1,800</td>
<td>290</td>
</tr>
<tr>
<td>LF 07</td>
<td>1,000</td>
<td>1,070</td>
<td>1,920</td>
<td>350</td>
</tr>
<tr>
<td>LF 10</td>
<td>2,000</td>
<td>1,420</td>
<td>2,080</td>
<td>680</td>
</tr>
</tbody>
</table>
PRODUCT & SPECIFICATION (Marine division)

AIR RESERVOIR
PRODUCT & SPECIFICATION (Marine division)

GAS COMBUTION UNIT
(G.C.U)

Note.
1. Capacity: Up to 9ton/h
PRODUCT & SPECIFICATION (Marine division)

CONTROL PANEL
PRODUCT & SPECIFICATION (Plant / Offshore division)

INDUSTRIAL, UTILITY & PACKAGE BOILER
PANEL, SUPERHEATER, TUBES, HEADERS

KANGRIM HEAVY INDUSTRIES CO., LTD.
PRODUCT & SPECIFICATION (Plant / Offshore division)

INDUSTRIAL, UTILITY & PACKAGE BOILER
PANEL, SUPERHEATER, TUBES, HEADERS
PRODUCT & SPECIFICATION (Plant / Offshore division)

INDUSTRIAL, UTILITY & PACKAGE BOILER
PANEL, SUPERHEATER, TUBES, HEADERS
PRODUCT & SPECIFICATION (Plant / Offshore division)

INDUSTRIAL, UTILITY & PACKAGE BOILER
STEAM DRUM, WATER DRUM
PIPING
PRODUCT & SPECIFICATION (Plant / Offshore division)

STEAM DRUM
PRODUCT & SPECIFICATION (Plant / Offshore division)

PRESSURE VESSEL
PRODUCT & SPECIFICATION (Plant / Offshore division)

PRESSURE VESSEL
PRODUCT & SPECIFICATION (Plant / Offshore division)

H.R.S.G FIN TUBE
PRODUCT & SPECIFICATION (Plant / Offshore division)

HEAT RECOVERY SYSTEM GENERATOR (H.R.S.G.)
PRODUCT & SPECIFICATION (Plant / Offshore division)

WASTE HEAT RECOVERY SYSTEM (W.H.R.S)
PRODUCT & SPECIFICATION (Plant / Offshore division)

WASTE HEAT RECOVERY UNIT
(W.H.R.U)
PRODUCT & SPECIFICATION (Plant / Offshore division)

OFFSHORE EQUIPMENT
(BULK/MUD TANK)
OTHERS EQUIPMENT
HOOD, CAR DECK, DUCT, KVOC, FILTER MODULE, COOLING COIL
PRODUCT & SPECIFICATION (Plant / Offshore division)

LPG/CO₂ TANK
PRODUCT & SPECIFICATION (Insulation division)

LNG CARGO TANK INSULATION
KOGAS, KC-1 PANEL
PRODUCT & SPECIFICATION (Insulation division)

LNG CARGO TANK INSULATION
GTT, LNG MARK Ⅲ PANEL
PRODUCT & SPECIFICATION (Insulation division)

LNG/LEG/LPG SHIP TANK INSULATION (PANEL)
PRODUCT & SPECIFICATION (Insulation division)

LNG/LEG/LPG SHIP TANK INSULATION (SPRAY)
PRODUCT & SPECIFICATION (Insulation division)

LNG/LEG/LPG SHIP TANK INSULATION (FOAM-IN-SITU)
PRODUCT & SPECIFICATION (Insulation division)

LNG SHIP
CARGO PIPE INSULATION
PRODUCT & SPECIFICATION (Insulation division)

LEG/LPG SHIP
CARGO PIPE INSULATION

PUF FOAM
SUS/GRP COVER
HIGH DENSITY PUF
CARGO PIPE
PRODUCT & SPECIFICATION  (Insulation division)

FLNG/OFFSHORE TANK & PIPE INSULATION
PRODUCT & SPECIFICATION (Insulation division)

LNG FUEL TANK BUNKER VESSEL
TANK & PIPE INSULATION
PRODUCT & SPECIFICATION (Insulation division)

LNG RECEIVING TERMINAL
TANK & PIPE INSULATION
PRODUCT & SPECIFICATION (Insulation division)

COLD PROVION STORE
FOR SHIP