

Eq00372

EN 220300224

①

QUOTATION



JINDAL ALUMINIUM LIMITED

SP-2/333, Industrial Area, Bhiwadi Dist, Alwar, Bhiwadi - 301019 Rajasthan Kind Attn : Rajgopal Mobile No : 8023713333 , 9611195368 E-Mail ID : rajgopal@jindalaluminium.com

REF: MKT/R/02/00/01-07-2013

Quote No : Q2607 Date : 2022-03-09 Valid Until : 2022-06-08 Issued By : S.Varun Mobile No : 7397000280 E-Mail ID : varun@emmppe.in

Table with 4 columns: Item No, Description, Quantity, Price. Includes items 84151090 for Panel Air Conditioner PAC090F75 and TPA200F75.

Summary table with 2 columns: Description, Amount. Includes P&F Charges-3%, Total Before Tax, GST @ 28%, Round off, and Total ₹116,678.00.



Terms and Conditions

Payment Terms : 100% Advance Delivery : 2-3 Weeks Freight : 3500+tax Warranty : One Year Installation : 3500+Tax (Per M/C)

Thank you very much for giving us the opportunity to quote and hope to serve your valued order soon. If you have any questions, feel free to contact us.

TECHNICAL LIST table with handwritten notes: Rate as above, N.A., N.A., 10% GST, 02 weeks.

Handwritten notes: 'discussed with...', 'warranty', and a signature 'Team Leader' with date '11/03/22'.

Work and contact address: 2/369B, Irugur Road, Chinniampalayam, Coimbatore - 641 062, TN, India

Reg. Office: 14-A, Vysial Street, Coimbatore - 641 001. http://www.emmppe.com

GSTIN : 33AAAF9807H1ZK Tel : 91 422 2629655, 2629177 Fax : 91 422 2629930 e-mail : info@emmppe.com

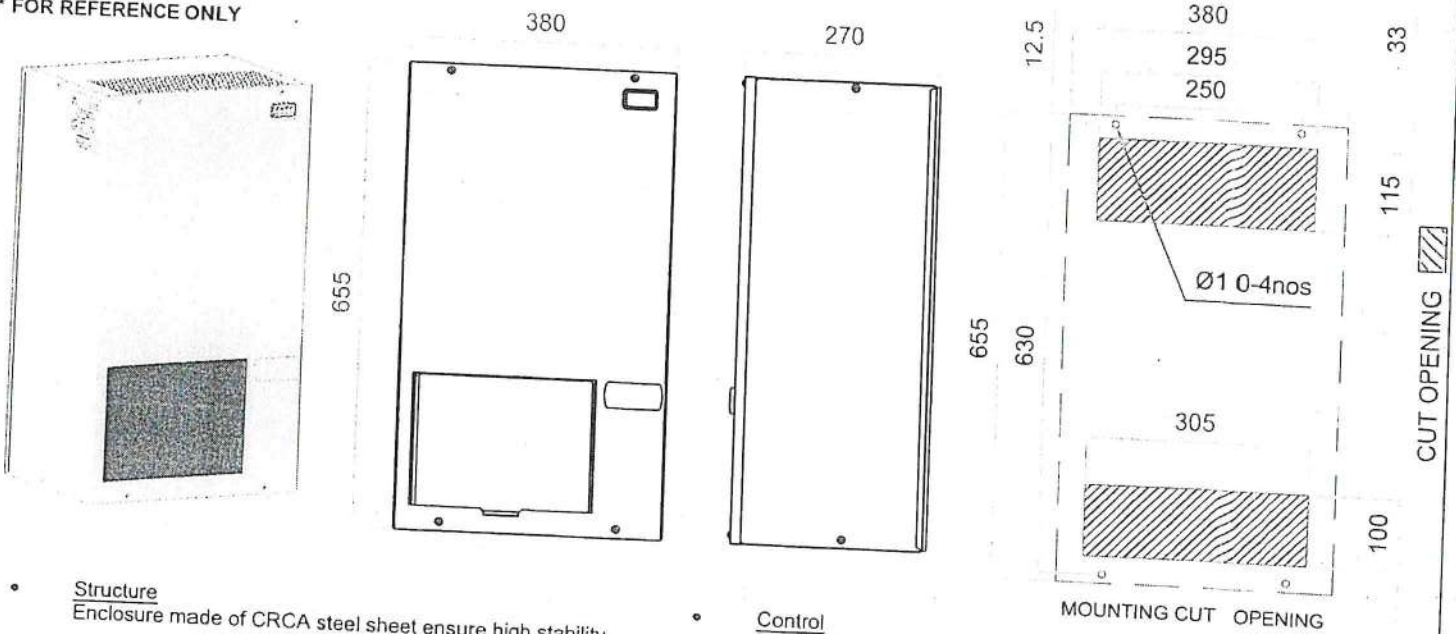


# PANEL AIR CONDITIONER

PAC 090F



\* FOR REFERENCE ONLY



- **Structure**  
Enclosure made of CRCA steel sheet ensure high stability.
- **Coating**  
Electrophoretic dipcoat priming and powder coating textured RAL7035.
- **Compressor**  
Energy efficient, environment friendly Hermetically sealed reciprocating compressor.
- **Fan**  
Centrifugal fan with Inbuilt motor thermal protection.
- **Coil**  
IG Copper tube with pre-coated hydrophilic aluminum fin material.
- **Filter**  
Woven fabric of mesh size 630x300 to prevent dust.
- **Control**  
The unit is controlled & managed by microprocessor based controller with LED display
- **Refrigerant**  
Ecological refrigerant gas.
- **Safety and protection.**  
High & Low temperature alarm, general alarm
- **Configuration**  
Fully wired ready for connection
- **CE**  
Machinery Directive/LVD Directive 2006/42/EEC  
Low Voltage Directive 2006/95/EC  
Pressure Equipment Directive 97/23/EC  
Electromagnetic Compatibility 2004/108/EC

## General Features

| S.No | DESCRIPTION                                  | M.U                                  | SPECIFICATION                  |
|------|----------------------------------------------|--------------------------------------|--------------------------------|
| 1    | Model                                        | -                                    | PAC 090 F75 C01                |
| 2    | Cooling capacity                             | kW (kcal/hr)                         | 1.0 (900)                      |
| 3    | Ambient Temperature                          | °C                                   | 0.76 (645)                     |
| 4    | Refrigerant                                  | -                                    | 20-50                          |
| 5    | Operating voltage<br>Phase/Voltage/Frequency | Ph/V/Hz                              | R134a                          |
| 6    | Rated Current                                | A                                    | 1 / 230 / 50-60                |
| 7    | Starting Current                             | A                                    | 3                              |
| 8    | Power absorbed                               | kW                                   | 10<br>0.64                     |
| 9    | Air displacement of fans<br>(free flow)      | External circuit<br>Internal circuit | 0.75<br>505 (860)<br>335 (570) |
| 10   | Dimension<br>Width x Depth x Height          | H mm<br>W mm<br>D mm                 | 655<br>380<br>270              |
| 10   | Mounting                                     | -                                    | Face Mounting                  |
| 11   | Weight                                       | kg                                   | 34                             |
| 12   | Color                                        | -                                    | RAL 7035 / RAL 9005            |
| 13   | Approvals                                    | CE                                   | OSE-14-0203/01                 |

DWG NO. 4066 C01-X01 REV NO: 02 DATE: 09/07/20

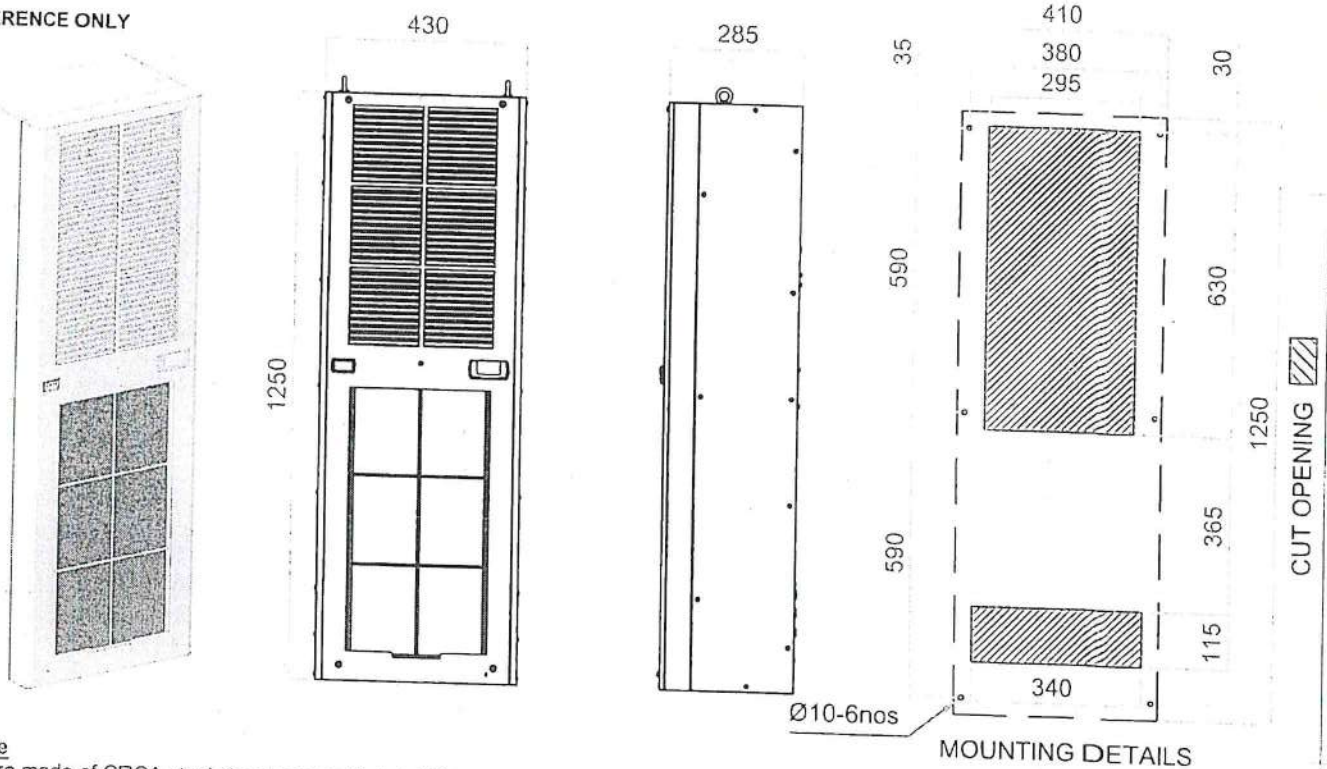
Technical modification reserved

# PANEL AIR CONDITIONER

## TPA 200F



\* FOR REFERENCE ONLY

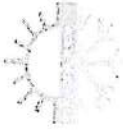


- **Structure**  
Enclosure made of CRCA steel sheet ensure high stability.
- **Coating**  
Electrophoretic dipcoat priming and powder coating textured RAL7035.
- **Compressor**  
Energy efficient, environment friendly Hermetically sealed reciprocating compressor.
- **Fan**  
Axial fan with Inbuilt motor thermal protection. Centrifugal fan with Inbuilt motor thermal protection
- **Coil**  
IG Copper tube with pre-coated hydrophilic aluminum fin material.
- **Filter**  
Woven fabric of mesh size 630x300 to prevent dust.
- **Control**  
The unit is controlled & managed by microprocessor based controller with LED display
- **Refrigerant**  
Ecological refrigerant gas.
- **Safety and protection.**  
High & Low temperature alarm, general alarm, hp switch
- **Configuration**  
Fully wired ready for connection

### General Features

| S.No | DESCRIPTION                                  | M.U              | SPECIFICATION       |
|------|----------------------------------------------|------------------|---------------------|
| 1    | Model                                        | -                | TPA 200 F75 C01     |
| 2    | Cooling capacity                             | kW (kcal/hr)     | L35 L35             |
|      |                                              |                  | L35 L50             |
| 3    | Ambient Temperature                          | °C               | 2.3 (2040)          |
| 4    | Refrigerant                                  | -                | 1.7 (1460)          |
| 5    | Operating voltage<br>Phase/Voltage/Frequency | Ph/V/Hz          | 20-50               |
| 6    | Rated Current                                | A                | R134a               |
| 7    | Starting Current                             | A                | 1 / 230 / 50-60     |
| 8    | Power absorbed                               | kW               | L35 L35             |
|      |                                              |                  | L35 L50             |
| 9    | Air displacement of fans<br>(free flow)      | External circuit | 6                   |
|      |                                              | Internal circuit | 15                  |
| 10   | Dimension<br>Width x Depth x Height          | H mm             | 1.44                |
|      |                                              | W mm             | 705 (1200)          |
|      |                                              | D mm             | 505 (860)           |
| 11   | Mounting                                     | -                | 285                 |
| 12   | Weight                                       | kg               | Face Mounting       |
| 13   | Color                                        | -                | 71                  |
|      |                                              |                  | RAL 7035 / RAL 9005 |

DWG NO. 4007 CUT XUT REV: 01 DATE: 27/02/20



# SunChill

Innovative Cooling Systems Pvt.Ltd.

## Techno-Commercial Offer

| To,<br>M/s. Jindal Aluminium Limited.,<br>SP-2/333, Industrial Area, Bhiwadi Dist, Alwar,<br>( Rajasthan ) – 301019. |                                                                                                                                                                                           | Kind Attn: Mr Rajgopal C. Sarda |                                    |              |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------|--------------|
|                                                                                                                      |                                                                                                                                                                                           | Offer No.                       | SC-PAC-Y2022-00831                 |              |
|                                                                                                                      |                                                                                                                                                                                           | Offer Date                      | 11-03-2022                         |              |
| Sl.                                                                                                                  | Description                                                                                                                                                                               | Qty                             | Cost/unit                          | Total Cost   |
| A                                                                                                                    | <b>Supply of Panel Air Conditioners Machine</b><br>Capacity: 1000 Watt   Type : Wall Mounting<br>Temperature Range: 45 To 20 Deg c<br>Refrigerant - R 134 a<br>Supply: 230 V-Single Phase | 01 No                           | Rs 24,500 /-<br><i>Rs. 23500/-</i> | Rs 24,500 /- |
| B                                                                                                                    | <b>Supply of Panel Air Conditioners Machine</b><br>Capacity: 2000 Watt   Type : Wall Mounting<br>Temperature Range: 45 To 20 Deg c<br>Refrigerant - R 134 a<br>Supply: 230 V-Single Phase | 01 No                           | Rs 34,500 /-<br><i>Rs. 33500/-</i> | Rs 34,500 /- |

### Terms & Conditions

|                |                                                                                 |                                             |
|----------------|---------------------------------------------------------------------------------|---------------------------------------------|
| P & F          | : Inclusive in price. ( Covered with Bubble wrap ).                             | <i>covered Rate as above</i>                |
| Price Basis    | : Ex Works, Pune                                                                | <i>P.W.</i>                                 |
| Taxes          | : GST 28 % Extra.                                                               | <i>Wooden Box: Extra</i>                    |
| Transportation | : Extra                                                                         | <i>N.A.</i>                                 |
| Delivery       | : 10 to 15 days after receipt of your confirm Purchase order & advance payment. | <i>10-15 days</i>                           |
| Installation   | : Extra.                                                                        | <i>10-15 days</i>                           |
| Payment Terms  | : 50 % payment Against Purchase Order, 50 % before dispatch from works.         | <i>50% Advance, balance before dispatch</i> |
| Warranty       | : 12 months after date of Dispatch.                                             | <i>Warranty: one year</i>                   |

SunChill Innovative Cooling Systems Pvt Ltd

Gate No :1608 Plot No 8 Opp More Patil Lawns, Near Vedant Hotel, Dehu- Alandi Road Chikhali, Pune : 411062  
Maharashtra, India

Web Site: [www.sunchillwaterchiller.com](http://www.sunchillwaterchiller.com) | [www.sunchill.co.in](http://www.sunchill.co.in)  
Email – [info@sunchillwaterchiller.com](mailto:info@sunchillwaterchiller.com) | [sunchillics@gmail.com](mailto:sunchillics@gmail.com)

*his used with  
nos. Dharmraj and  
referred about  
rate*

*(Signature)  
11/03/22*

*50% Advance, balance before dispatch  
Ex works  
Warranty: one year  
3 weeks*



# SunChill

Innovative Cooling Systems Pvt.Ltd.

## Technical Specification

### 2000 WATT PAC

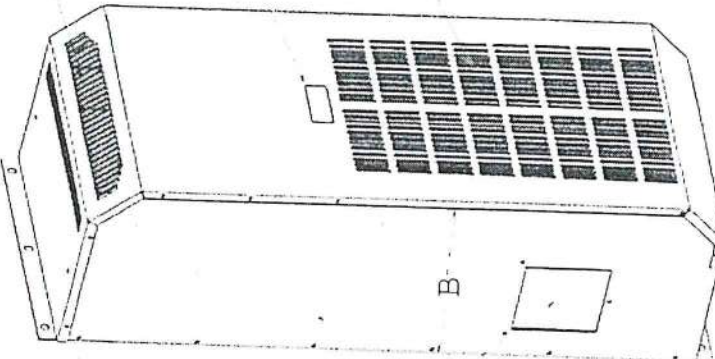
| Description    | Type                     | Make & Model                                | 832<br>2000 W |
|----------------|--------------------------|---------------------------------------------|---------------|
| Compressor     | Reciprocating            | Emerson / Danfoss  KCJ498  R-22 /<br>R-134a | √             |
| Condenser      | Aluminium Fins Tube Type | Sunchill Standard Make                      | 1             |
| Evaporator     | Aluminium Fins Tube Type | Sunchill Standard Make                      | 1             |
| Wiring         | Fabricated - INBUILT     | Sunchill Make                               | √             |
| Condenser Fan  | Centrifugal Blower       | Fanstech Make                               | 225 mm        |
| Evaporator Fan | Centrifugal Blower       | Fanstech Make                               | 220 mm        |
| Frame          | Fabricated MS            | MS CRCA body Powder coated RAL 7035         | √             |
| Temp Display   | Temperature Indicator    | Make : Sub Zero                             | 1             |

**SunChill Innovative Cooling Systems Pvt Ltd**

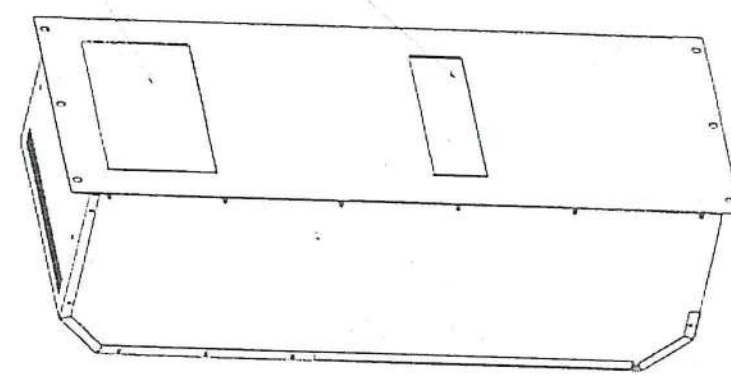
Gate No :1608 Plot No 8 Opp More Patil Lawns, Near Vedant Hotel, , Dehu- Alandi Road Chikhali, Pune : 411062,  
Maharashtra, India.

Web Site: [www.sunchillwaterchiller.com](http://www.sunchillwaterchiller.com) | [www.sunchill.co.in](http://www.sunchill.co.in)

Email – [info@sunchillwaterchiller.com](mailto:info@sunchillwaterchiller.com) | [sunchillics@gmail.com](mailto:sunchillics@gmail.com)



FROONT VIEW



BACK VIEW

L x B x H  
400 x 300 x 1100 mm

# SunChill

Innovative Cooling System pvt.ltd  
email:-sunchillics@gmail.com

DRAWN BY A.R.B  
CHECKED BY A.R.B  
APPROVED BY D.T.P

MATERIAL: SS 304  
FINISH: POWDER COATING  
REVISION NO: 01

SCALE:-1:1 ALL DIMENTION ARE IN MM  
TITLE: 2000 WATT PANEL AC GA DRAWING

DRAWING NUMBER:

DATE: REMARK:

SHEET NO:  
01

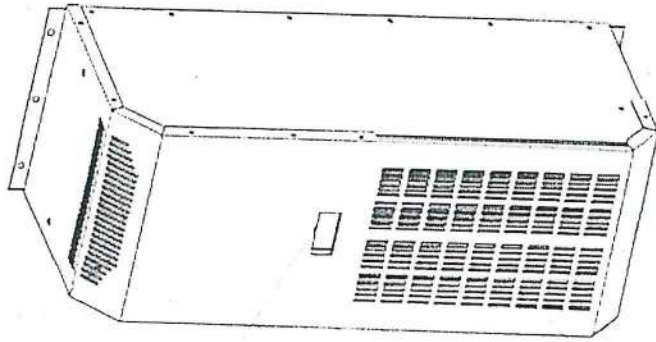
D

A

HOT AIR OUT

TEMP CONTROLLER

AMBIENT AIR IN



FRONT SIDE

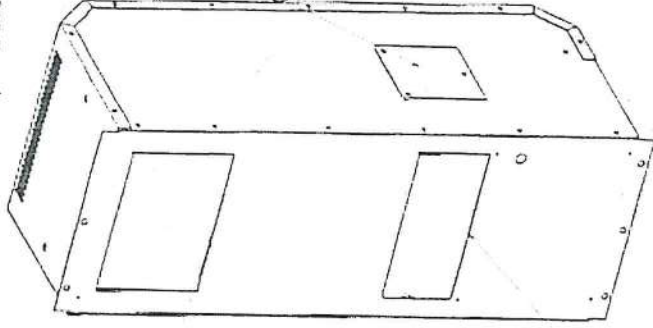
L x B x H  
300 x 320 x 830 MM

1000 WATT PANEL AC

CONDENSER: 9 x 14 x 3 ROW / FAN 220

EVAPORATOR: 9 x 6 x 4 ROW / FAN 220

AIR IN



BACK SIDE

COOL AIR OUT

GAS CHARGING POINT



SunChill

Innovative Cooling System pvt.ltd  
email:-sunchillics@gmail.com

DRAWN BY A.R.B  
CHECKED BY A.R.B  
APPROVED BY S.S.G

MATERIAL: MS

FINISH: POWDER COATING

REVISION NO:  
00

SCALE:-1:1 ALL DIMENTION ARE IN MM  
TITLE: 1000 WAT PANEL AC GA DRAWINGS

SIZE  
A4

DRAWING NUMBER:

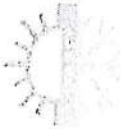
DATE:

REMARK:

SHEET NO:  
00

D

A



# SunChill

Innovative Cooling Systems Pvt.Ltd.

## Technical Specification

### 1000 WATT PAC

| Description    | Type                             | Make & Model                        | 832 PAC<br>1000 W               |
|----------------|----------------------------------|-------------------------------------|---------------------------------|
| Compressor     | Reciprocating                    | Emerson Make , KCE444HG   R 134a    | √                               |
| Condenser      | Aluminium Fins Tube Type         | Sunchill Standard Make              | 1                               |
| Evaporator     | Aluminium Fins Tube Type         | Sunchill Standard Make              | 1                               |
| Wiring Box     | Fabricated - INBUILT             | Sunchill Make                       | √                               |
| Condenser Fan  | Centrifugal Blower /<br>Backward | Hi Cool   Dynamic Make              | Backward<br>Curve Dia<br>220 mm |
| Evaporator Fan | Centrifugal Blower /<br>Backward | Hi Cool   Dynamic Make              | Backward<br>Curve Dia<br>190 mm |
| Frame          | Fabricated -MS                   | MS CRCA body Powder coated RAL 7035 | √                               |
| Temp Display   | Temperature Indicator            | Make : Sub Zero                     | 1                               |

**SunChill Innovative Cooling Systems Pvt Ltd**

Gate No :1608 Plot No 8 Opp More Patil Lawns, Near Vedant Hotel, , Dehu- Alandi Road Chikhali, Pune : 411062,  
Maharashtra, India.

Web Site: [www.sunchillwaterchiller.com](http://www.sunchillwaterchiller.com) | [www.sunchill.co.in](http://www.sunchill.co.in)

Email – [info@sunchillwaterchiller.com](mailto:info@sunchillwaterchiller.com) | [sunchillcs@gmail.com](mailto:sunchillcs@gmail.com)





Advance Cooling Systems Pvt. Ltd.  
Tel: +91-22-27642588-90 E-mail: sales@advancecooling.com Web: www.advancecooling.com

# Quotation

Ref : Q/UAK/PAC/225/74288

Date : March 9, 2022

Item : **Panel Airconditioner**

Customer : M/s. Jindal Aluminium Ltd., Alwar  
Kind Attn : Mr. Rajgopal C Sarda  
Reference : Your email enquiry dtd. March 09, 2022

Customer Contact Details  
Mobile :  
Email : rajgopal@jindalaluminium.com

| Description                                                                      | UOM   | Basic Rate (Rs.) | Packing (Rs.) |
|----------------------------------------------------------------------------------|-------|------------------|---------------|
| Model : Turbo 1000 M23<br>Cooling Capacity : 1000 Watts<br>Side / Door           | 1 No. | 31,990.00        | Each          |
| Refrigerant : R134a<br>230V, ± 10%, 1 Ph, 50 Hz                                  |       |                  |               |
| Model : Turbo 2000 R60 MCB R134a<br>Cooling Capacity : 2000 Watts<br>Side / Door | 1 No. | 50,500.00        | Nil           |
| Refrigerant : R134a<br>230V, ± 10%, 1 Ph, 50 Hz                                  |       |                  |               |

Handwritten notes on the table:  
 For Turbo 1000 M23: Rs. 27191/-  
 For Turbo 2000 R60 MCB R134a: Rs. 42925/-

### Terms and Conditions

- Price Basis: F.O.R. Alwar
- Freight: Nil : by us
- Insurance: Nil : by us
- Goods and Service Tax: 28% of basic value
- HSN : 8415
- Errrection and Commissioning: Extra : SGST: 14% + CGST: 14% OR IGST : 28% as applicable
- Service Code : 9987
- Payment Terms: Rs. 4,500/- per machine
- Delivery : ex-works: Extra : SGST: 9% + CGST: 9% OR IGST : 18% as applicable
- Validity: 1/3 rd advance, balance against Proforma Invoice prior to despatch
- Warranty (valid within India only): 6-8 weeks after receipt of your commercially clear purchase order

### Notes :

Panel AC is supplied in RAL 7035 colour  
 For Stand Alone and Top Placing models, flexible hose will be required. We prefer that it is directly procured by you.  
 Incase, the same is procured through us, then they will be supplied in multiples of 5 mtrs. and thereof.

for Advance Cooling Systems Pvt. Ltd

Computer generated document - No signature required

Varun Puri  
Joint Managing Director

Prices subject to change without notice

Works : Plot No. R-424, MIDC, T. T. C. Indl. Area, Rabale, Navi Mumbai - 400 701 Regd. Office : 138, Raja Indl. Estate, P. K. Road, Mulund (W), Mumbai - 80  
TIN 27140002296, GST TIN 27AABCA4029K1Z, CIN # U29191MH1989PTC053501

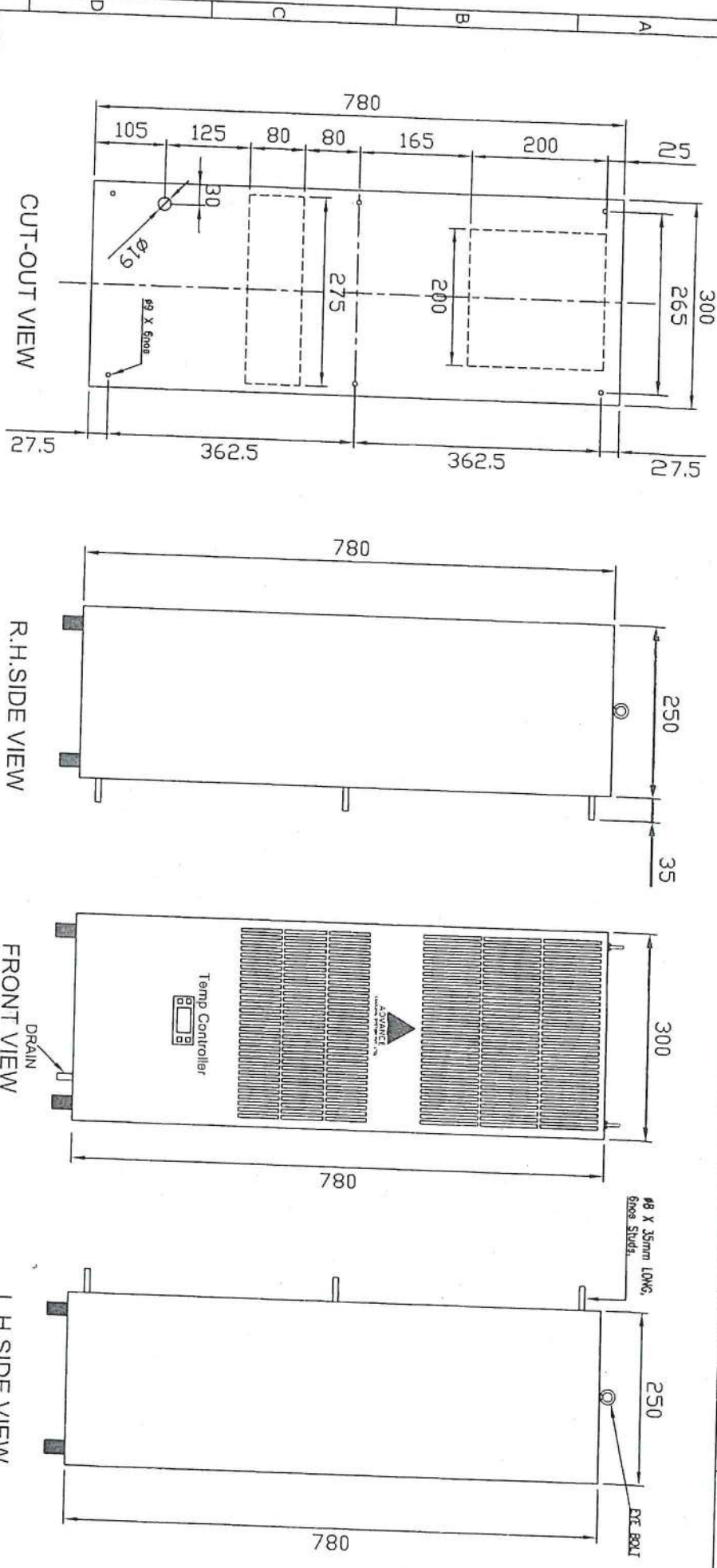
**CHECK LIST**

.....ed Rate.....  
 .....Incl.....  
 .....N.A.....  
 .....GST: 28%.....  
 .....100% Against Inr. FOR-JAL BWP.....  
 .....2 months.....  
 .....3 weeks.....

Stamp: [Circular stamp with logo]

Handwritten notes and signatures:  
 Commissioning charges included  
 Discussed with Mr. Sangita and agreed above rate  
 Signature: [Signature]  
 Date: 11/03/22





CUT-OUT VIEW

R.H. SIDE VIEW

FRONT VIEW

L.H. SIDE VIEW

| UNIT SIZE | WIDTH | DEPTH | HEIGHT |
|-----------|-------|-------|--------|
|           | 300   | 250   | 780    |

|           |                                         |                |           |                            |       |             |       |               |
|-----------|-----------------------------------------|----------------|-----------|----------------------------|-------|-------------|-------|---------------|
| Revision. | Description.                            | Date.          | MODEL     | TU-1000-M23                | SCALE | N.T.S       | APPD. | Mr. A.S       |
| 01        | Round cut out into square cut out.      | JUNE, 07, 2014 | PRODUCT   | CLOSE LOOP AIR CONDITIONER | DRAWN | VIJAY       | DATE  | JAN, 27, 2014 |
| 02        | Stud size is at present instead of 68mm | MAY, 06, 2015  | CLIENT    | OVER                       | TITLE | ALL DIAGRAM | DATE  |               |
| 03        |                                         |                | Revision. | R2                         | APPD. |             |       |               |
| 04        |                                         |                |           |                            |       |             |       |               |
| 05        |                                         |                |           |                            |       |             |       |               |
| 06        |                                         |                |           |                            |       |             |       |               |
| 07        |                                         |                |           |                            |       |             |       |               |

ADVANCE COOLING SYSTEM PVT. LTD.  
 ADVANCE COOLING SYSTEM PVT. LTD.  
 ADVANCE COOLING SYSTEM PVT. LTD.  
 ADVANCE COOLING SYSTEM PVT. LTD.

E000374

(4)

Our Ref: REC/JAL/PC/2021-22/01.

9-Mar-22.

To  
M/s. Jindal Aluminium Limited.,  
SP-2/333, Industrial Area,  
Bhiwadi Dist. Alwar – 301019.

Mr. Tushar

8056365005

Dear Sirs,

Sub: Our offer for supply of Panel Air Conditioners – reg.  
Kind Attn: Mr. Rajgopal C Sarda - Asst. Manager - Purchase Dept.

With reference to your e mail enquiry regarding your requirement of Panel Air conditioner of 2000 Watts & 1000 Watts cooling capacity, we recommend our model PC 2250E & PC 1000C respectively. Ple ase find under our offer for your further perusal.

| Sl No. | Particulars                                                                                                                                | HSN Code | UOM  | Basic Price / UOM            | Taxes Extra    |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------------------------|----------------|
| 1.     | <b>PANEL AIR CONDITIONER</b><br>Model: PC 2250E<br>Capacity: 2500 Watts<br>Refrigerant: R 134a<br>(As per below mentioned specifications.) | 84151010 | Each | INR 44,500/-<br>Rs. 36,900/- | 28% IGST extra |
| 2.     | <b>PANEL AIR CONDITIONER</b><br>Model: PC 1000C<br>Capacity: 1000 Watts<br>Refrigerant: R 134a<br>(As per below mentioned specifications.) |          | Each | Rs. 31,000/-<br>Rs. 26,500/- |                |

**General Specifications:**

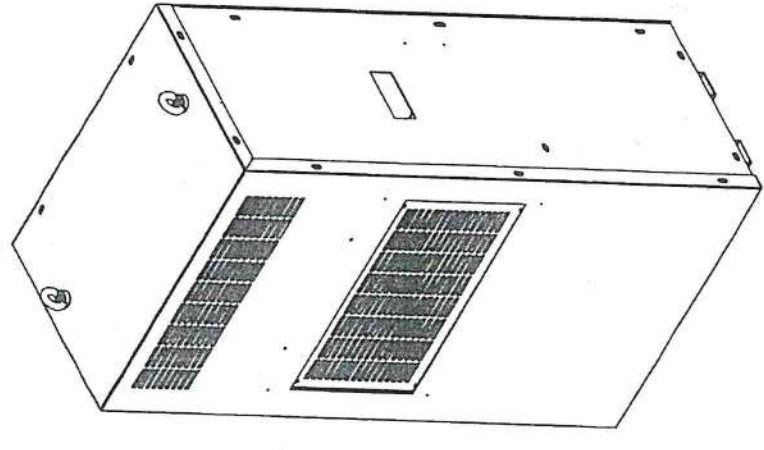
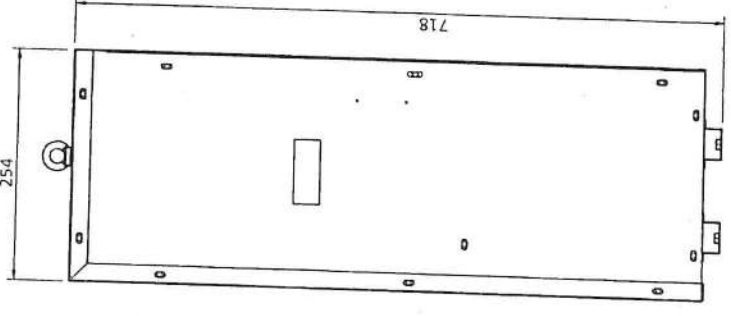
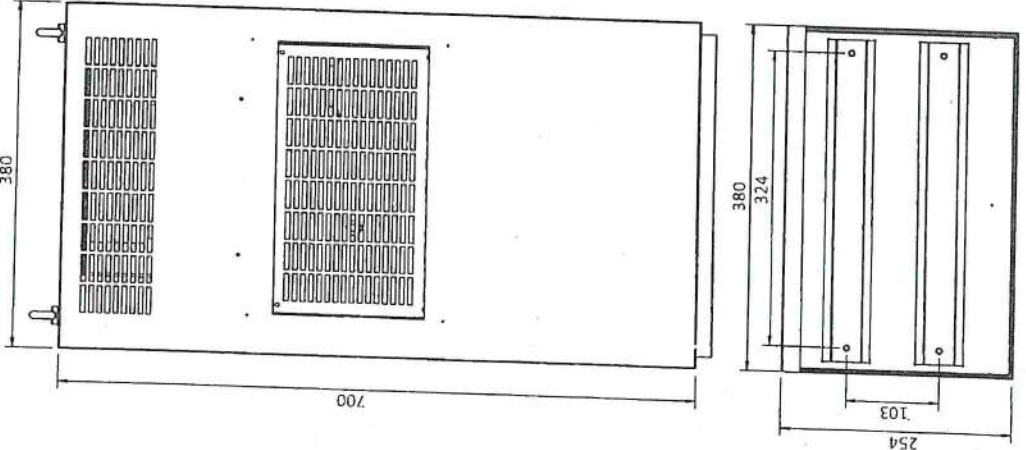
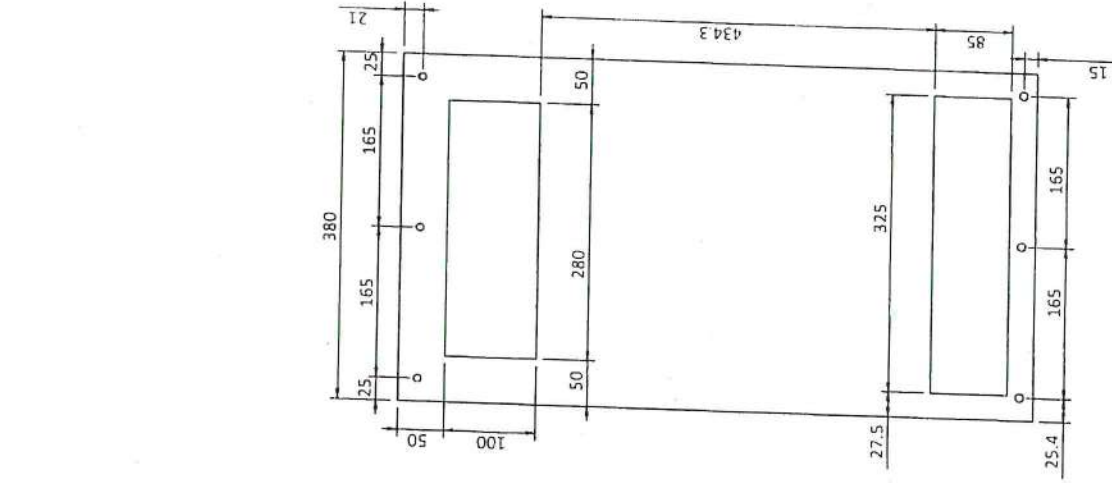
- Compressor: Type: Reciprocating. Hermetically Sealed. Make: Tecumseh / Emerson
- Refrigerant: R 134a.
- Air Filter: Fine Mesh.
- Temperature Indicator: Digital. Make: SUBZERO.
- Mounting: Side Mounting flush on the panel.
- Condenser& Evaporator: Forced Cooled Fin & Tube Type.
- Condenser cooling fans: Backward curved fan Make: ebm papst.
- Evaporator cooling fans: Backward curved fan Make: ebm papst.
- Electrical Controls: 1 Pole MCB. Make: Siemens. Connectors Make: Wago, Cables – Make: RR.
- Power: 230 Volts 1 Phase 50 Hz. Electrical Switchgear: SIEMENS.
- Sheet metal Body: Powder coated MSCR.
- Standard Colour: RAL 7035.

DISCOUNTED Rate as above  
 Encl  
 N.A.  
 19/03/22  
 50 days  
 FOR-JAL Bw  
 WARRANTY: 12 months

**Special Notes:**

- Delivery:** within 3-4 Weeks from the date of your firm purchase order. FOR Destination
- Payment:** 100% within 50 days from the date of Invoice.
- Packing & Freight Charges:** Included in the basic price.
- Warranty:** 12 months from the date of commissioning or 15 Months from the date of our invoice for manufacturing defects only.
- Commissioning Charges:** Not included and shall be extra if required.

1 2 3 4 5 6



Measurements should not be taken from drawings.

Critical to Quality Characteristics are denoted with:

Deviations for open dimensions IS 2102-1993  
 Dim. 5-3-6-6-30-30-120-120-400-400-1k-1000-2k dimensions are in mm

Tol. .1 .1 2 3 5 .8 1.2  
 This Drawing is property of RELIANCE ENGG.  
 It shall not to be disclosed to third parties  
 without getting written conformation from us.

Customer:

Dwg No: Tittle: PC 750

Rev Level: Mat: mm

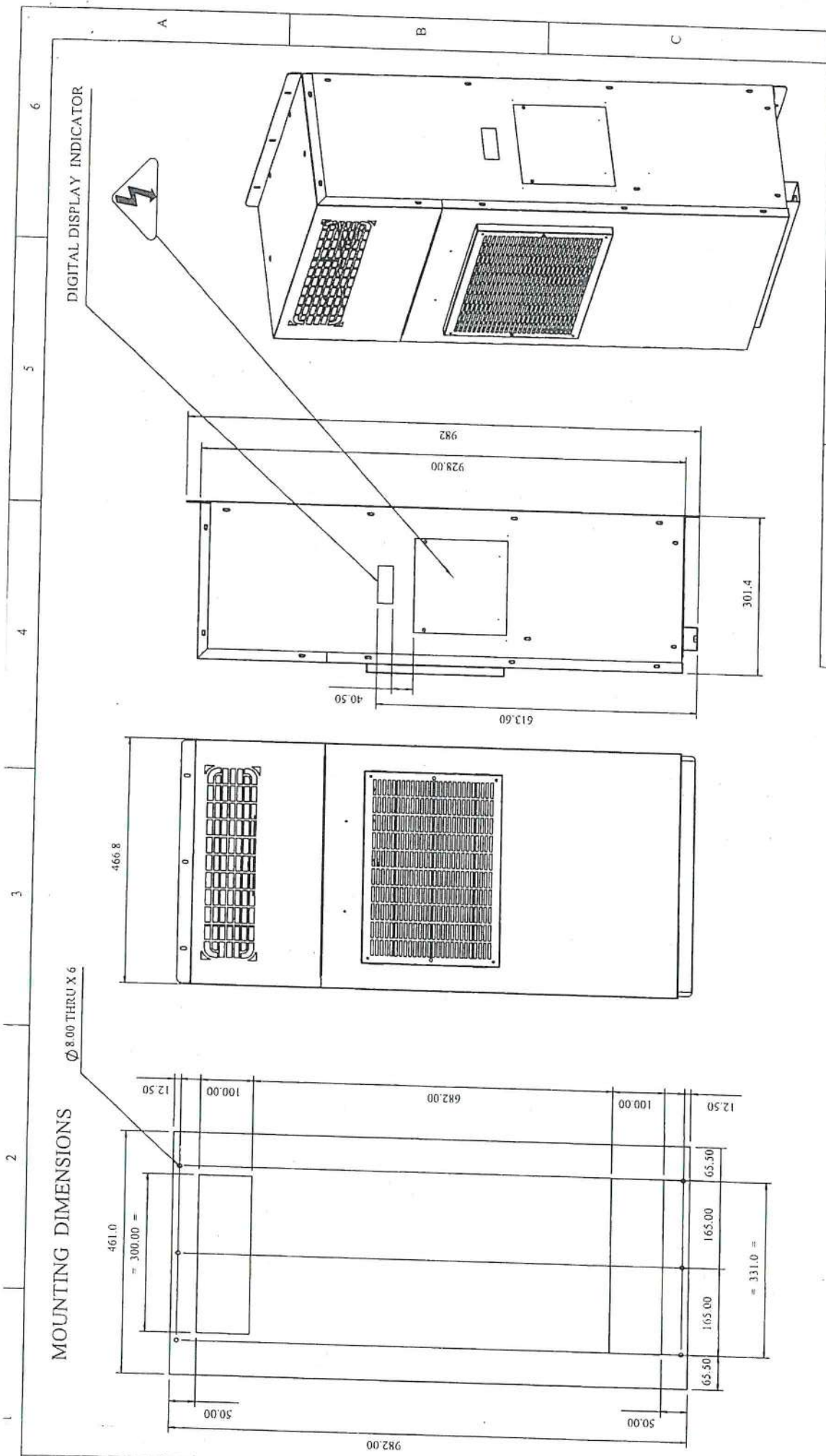
Sheet Scale Weight: 1 of 1 1:8 Finish:

Qty/Set: Gms

Product: G:\Reliance engineering\Panel coolers\PC 750

Reliance Engineering Company,  
 Coimbatore - 25.



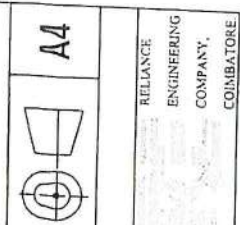


| Dim       | Tol  |
|-----------|------|
| 0.5-3     | ±0.1 |
| 3-6       | ±0.1 |
| 6-30      | ±0.2 |
| 30-120    | ±0.3 |
| 120-400   | ±0.5 |
| 400-1000  | ±0.8 |
| 1000-2000 | ±1.2 |
| 2000-4000 | ±2   |
| >4000     | ±3   |

Deviations for open dimensions IS 2102-1993  
 Critical to Quality Characteristics are denoted with:

This Drawing is the property of RELIANCE ENGG  
 It must not be used directly or indirectly in any way detrimental to the interest of the company

|                                                                                                      |                                          |                      |
|------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------|
| Dwg No: PC_2250                                                                                      | Title: PC 2250                           |                      |
| Part No: PC_2250                                                                                     | Mat:-                                    |                      |
| Area: -                                                                                              | Qty/Set: -                               |                      |
| Sheet                                                                                                | Scale                                    | Weight: -            |
| 3 of 3                                                                                               | 1:10                                     | Finish: RAL 7035 STR |
| Unless specified all dimensions are in mm                                                            |                                          |                      |
| Date: 01/09/2020                                                                                     | Product: PANEL COOLER 2250               |                      |
| Drawn:                                                                                               | Customer:                                |                      |
| Approved:                                                                                            | RELIANCE ENGINEERING COMPANY, COIMBATORE |                      |
| Measurements should not be taken from drawings. All dimensions are in mm unless otherwise specified. |                                          |                      |



MOUNTING DIMENSIONS  
 Ø 8.00 THRU X 6

|            |       |           |       |        |       |        |        |        |       |
|------------|-------|-----------|-------|--------|-------|--------|--------|--------|-------|
| 50.00      | 50.00 | 12.50     | 65.50 | 165.00 | 65.50 | 100.00 | 682.00 | 100.00 | 12.50 |
| = 300.00 = |       | = 331.0 = |       |        |       |        |        |        |       |

461.0  
 466.8  
 92.00  
 613.60  
 301.4  
 928.00  
 40.50

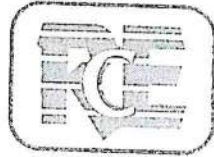
DIGITAL DISPLAY INDICATOR

1 2 3 4 5 6

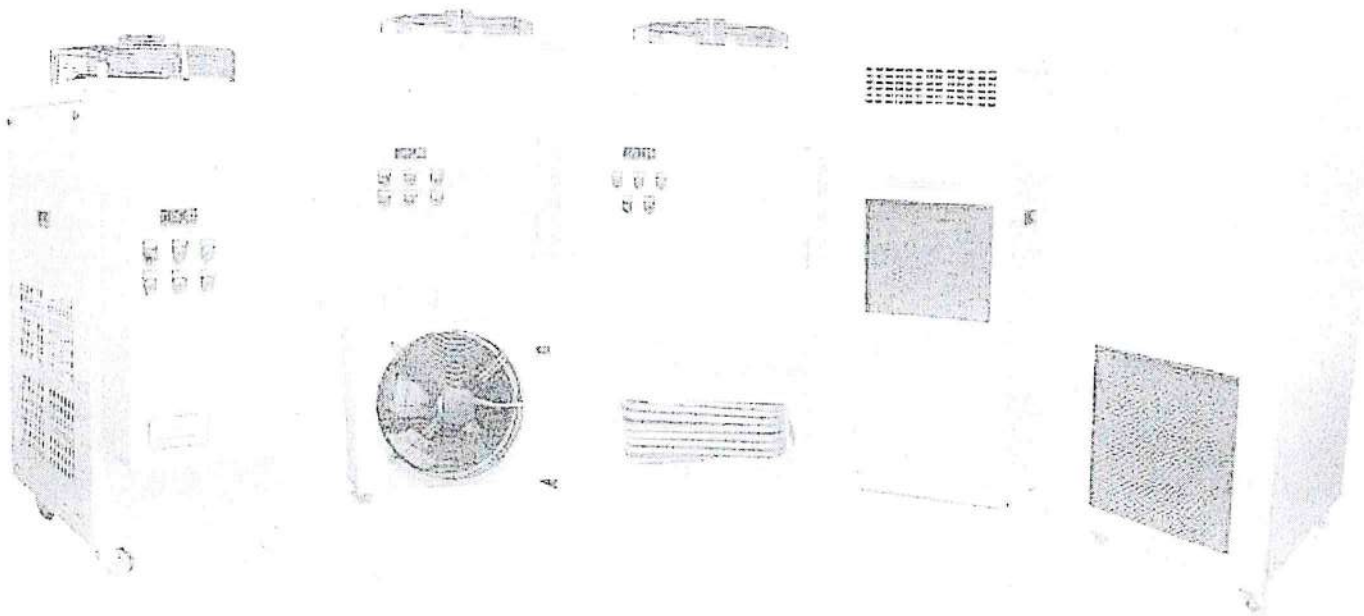
A B C

1 2 3

RELIANCE ENGINEERING COMPANY



RELIANCE ENGINEERING COMPANY



INDUSTRIAL PROCESS COOLING EQUIPMENTS

**SPINDLE OIL COOLERS**



Spindle oil coolers are utilized to reject the heat generated by the spindle bearings during high rpm operations. The Spindle Oil / Coolant is circulated through the cooling circuits in the spindle head. The unit utilizes a Brazed Plate Heat Exchanger to transfer the heat removed from the spindle head with the Oil / Coolant been circulated to the refrigerant there by maintaining the spindle head temperature uniformly. The differential temperature controller utilized maintains the Oil / Coolant at a constant temperature with the ambient temperature as reference, thus avoiding vast difference in temperature of the spindle and ambient.

We have the following standard models on offer.

| Description                  | Model | SOC 10                                                       | SOC 15 | SOC 20 | SOC 30           | SOC 45 |
|------------------------------|-------|--------------------------------------------------------------|--------|--------|------------------|--------|
| Capacity in Kilo cal / Hour  |       | 1000                                                         | 1500   | 2250   | 3000             | 4500   |
| Power input in Watts         |       | 550                                                          | 800    | 850    | 1250             | 1950   |
| Source                       |       | Both 230 Volts 1 Phase 50 Hz & 200 / 415 Volts 3 Phase 50 Hz |        |        |                  |        |
| Refrigerant                  |       | R-22 / R-134a / R-407C                                       |        |        |                  |        |
| Dimensions (mm) LxBxH        |       | 390 x 525 x 1000                                             |        |        | 480 x 750 x 1175 |        |
| Weight-Dry                   |       | 40                                                           | 45     | 55     | 65               | 80     |
| Higher capacities on request |       |                                                              |        |        |                  |        |

**HYDRAULIC OIL COOLERS**

Hydraulic Oil Coolers are utilized to maintain the temperature of the Hydraulic Oil in the sump at a nominal level (Predetermined). The cooling system reduces the down time of the machine by avoiding damages to the Oil seals, O rings / Gaskets and to the Oil itself due to excessive temperature buildup otherwise. These units are also available as In-line Models, Dual Circuit Models and Tank Mounted Models for various applications.

| Description                   | Model | HOC 20                  | HOC 30 | HOC 45 | HOC 60 | HOC 90 | HOC 120                 | HOC 150 | HOC 225 | HOC 300 |  |
|-------------------------------|-------|-------------------------|--------|--------|--------|--------|-------------------------|---------|---------|---------|--|
| Capacity in Kilo cal / Hour   |       | 2000                    | 3000   | 4500   | 6000   | 9000   | 12000                   | 15000   | 22500   | 30000   |  |
| Oil flow in LPM               |       | 20                      | 30     | 40     | 50     | 65     | 80                      | 100     | 150     | 200     |  |
| Power input in Watts          |       | 1300                    | 1550   | 1800   | 2300   | 2800   | 3400                    | 4800    | 6200    | 7200    |  |
| Source                        |       | 230 Volts 1 Phase 50 Hz |        |        |        |        | 415 Volts 3 Phase 50 Hz |         |         |         |  |
| Refrigerant                   |       | R-22 / R-134a / R-407C  |        |        |        |        |                         |         |         |         |  |
| Dimensions (mm) L             |       | 390                     |        | 480    | 550    | 700    | 700                     | 700     | 900     | 900     |  |
|                               | B     | 525                     |        | 750    | 900    | 950    | 950                     | 950     | 1500    | 1500    |  |
|                               | H     | 1000                    |        | 1175   | 1350   | 1350   | 1350                    | 1350    | 1350    | 1350    |  |
| Weight-Dry                    |       | 55                      | 65     | 80     | 85     | 110    | 130                     | 180     | 230     | 320     |  |
| Higher capacities on request. |       |                         |        |        |        |        |                         |         |         |         |  |



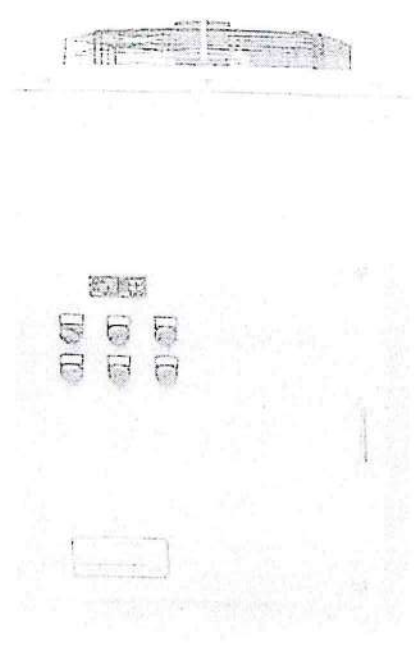


**Water Chillers**

Water Chillers are utilized for various applications in different industries like Foundries, Machine Tools, Plastics, Chemicals, Metal Cutting etc. Our Compact Super Chiller series are available in both air-cooled and water cooled versions. They are designed and manufactured with the latest engineering expertise to maintain precise temperature as per process requirements year round. Compact Super Chiller units are completely factory assembled, wired, tested and shipped as a single package ready for installation. They can be charged with either refrigerant R-22 or R-134a / R-407C as per customer requirements. These units are equipped with microprocessor based temperature indicator cum controller.

Chillers are available from 0.5 TR to 100 TR in capacity.

The system features single as well as multiple refrigerant circuits. Multiple circuits are completely separate where-in each circuit operates independently ensuring a residual service in case of fault in one of the circuits and for maximum energy efficiency during part load conditions. The combination of Hermetic Compressors and Brazed PHE's of the latest generation offer high energy efficiency there by saving on power cost.



The standard models / capacities used for process cooling are detailed as under.

| Description               | Model | CSC 0.5 SA                 | CSC 1 SA | CSC 1.5 SA | CSC 2 SA | CSC 3 SA                | CSC 4 SA | CSC 5 SA | CSC 7.5 SA | CSC 10 SA |
|---------------------------|-------|----------------------------|----------|------------|----------|-------------------------|----------|----------|------------|-----------|
| Capacity in Kilo cal/Hour |       | 1500                       | 3000     | 4500       | 6000     | 9000                    | 12000    | 15000    | 22500      | 30000     |
| Flow in LPM               |       | 5                          | 10       | 15         | 20       | 30                      | 40       | 50       | 75         | 100       |
| Power input in Watts      |       | 1100                       | 1550     | 2600       | 3250     | 4350                    | 6150     | 7900     | 12100      | 14850     |
| Source                    |       | 230 Volts 1 Phase<br>50 Hz |          |            |          | 415 Volts 3 Phase 50 Hz |          |          |            |           |
| Refrigerant               |       | R- 22 / R-134a / R 407C    |          |            |          |                         |          |          |            |           |
| Dimensions (mm)           | L     | 390                        |          | 480        | 550      |                         | 700      | 700      |            | 900       |
|                           | B     | 525                        |          | 750        | 900      |                         | 950      | 1180     |            | 1500      |
|                           | H     | 1000                       |          | 1175       | 1350     |                         | 1350     | 1350     |            | 1350      |
| Weight-Dry                |       | 55                         | 65       | 80         | 85       | 110                     | 130      | 180      | 230        | 320       |

EQ00375

5

Mr. Nishkant Salvekar

09395005611

## NEW ANUCOOL ENGINEERS

Plot No. G-96, MIDC Gokul Shirgaon, KOLHAPUR - 416 234; (M.S.), India

Ph. No. 9325005617; E-mail: sales@anucool.in; service@anucool.in

GST No.: 27AADFN8269K1ZO; PAN - AADFN8269K



॥ सहवीर्यकरवाचं ॥

## Quotation for Panel Cooler

|           |                                                                                                               |          |            |
|-----------|---------------------------------------------------------------------------------------------------------------|----------|------------|
| Customer  | M/s. Jindal Aluminium Limited.,<br>SP-2/333, Industrial Area,<br>Bhiwadi Dist, Alwar, ( Rajasthan ) - 301019. | Ref No.  | 44 85(A)   |
| Contact   | Rajgopal C. Sarda<br>Assistant Manager - Purchase<br>M: +91 9611-195-368   L: +91 8023-715-555 (422)          | Date     | 09/03/2022 |
| Reference | Your email enquiry dated-09/03/2022                                                                           | Validity | 30 days    |

|                  |                                                                                            |                                              |                               |
|------------------|--------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------|
| Your Requirement | 2000W                                                                                      | Quantity                                     | 1                             |
| Our offer        | Unit Rate: ₹ 44,500/-<br>(Special Discounted rate only for JINDAL ALUMINIUM)<br>₹ 37,500/- | Model: PANCOL2000SCE; Cooling capacity 2000W | By-road                       |
|                  | Packing: Rs. 2000/piece                                                                    | Mounting Type: Side/Door                     | Power: 230VA<br>1 Phase, 50Hz |
|                  | Delivery: 4 Weeks                                                                          | Size (WXHxD): 450 X1025X300 mm               | Consumption: 1240 W           |
|                  |                                                                                            | Net Weight: 66 kg                            | Rated Current: 6 A            |
|                  | Service Network: Available at various strategic locations all over India                   |                                              |                               |

## TERMS &amp; CONDITIONS

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ADD TO BASIC PRICE | 1. Price basis: Ex-works Kolhapur<br>2. Freight: Extra on 'to pay' basis, through transporter of your choice; we prefer TCI-XPS<br>3. Transit Insurance: Inclusive in basic price<br>4. Taxes: GST Extra @28% aggregate (HSN Code:8415)<br>5. Commissioning in your scope, required cut-out drawing is attached with this offer                                                                                                                                                                                                                                                                     |
| COMMERCIAL         | 1. Payment terms : 100% against pro-forma invoice prior dispatch;<br>2. Warranty: 12 months from the date of dispatch invoice<br>3. Delivery: By road through suitable transporter like TCI-XPS Cargo, on door delivery basis<br>4. Bank details: Kotak Mahindra Bank Ltd.; Branch: Sykes Extension; A/C No. 06922120002644<br>RTGS No./IFS Code: KKBK0000692<br>5. Legal disclaimer: Subject to Kolhapur Jurisdiction                                                                                                                                                                              |
| TECHNICAL          | 1. Temperature Indicator cum Controller Microprocessor based with LED display; 2 ½ digit segment display, Temperature range - Operating 0-50 Deg. Celsius, Storage - -20 to 75 Deg. Celsius, Humidity - 95% RH (Non-condensing); Subzero/ Selectron/Equivalent made<br>2. Compressor: Reciprocating, hermetically sealed type design, Make- Emerson/ Embraco/ Tecumseh/ Equivalent<br>3. Condenser & Evaporator: Forced convective, finned over copper tube type, ANUCOOL made coupled with Fan-Motor assembly<br>4. Fan-Motor assembly: Ø1,220/230VAC, 50 Hz Induction motor 2800RPM, centrifugal, |

## NEW ANUCOOL ENGINEERS

Plot No. G-96, MIDC Gokul Shirgaon, KOLHAPUR - 416 234; (M.S.), India

Ph. No. 9325005617; E-mail: sales@anucool.in; service@anucool.in

GST No.: 27AADFN8269K1ZO; PAN - AADFN8269K



॥ सहवीर्य करवावहे ॥

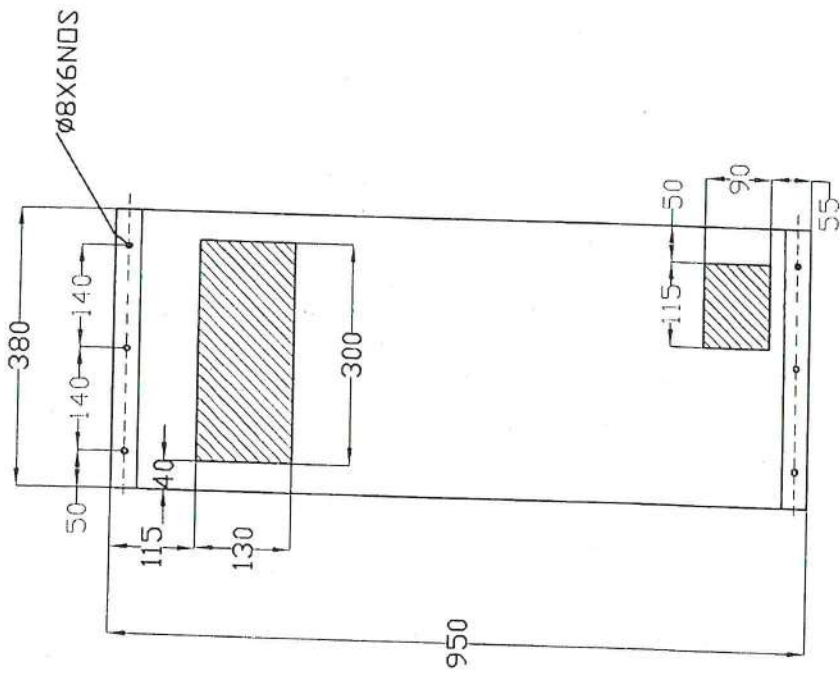
### Quotation for Panel Cooler

|           |                                                                                                               |          |            |
|-----------|---------------------------------------------------------------------------------------------------------------|----------|------------|
| Customer  | M/s. Jindal Aluminium Limited.,<br>SP-2/333, Industrial Area,<br>Bhiwadi Dist, Alwar, ( Rajasthan ) – 301019. | Ref No.  | 4485 (B)   |
| Contact   | Rajgopal C. Sarda<br>Assistant Manager - Purchase<br>M: +91 9611-195-368   L: +91 8023-715-555 (422)          | Date     | 09/03/2022 |
| Reference | Your email enquiry dated- 09/03/2022                                                                          | Validity | 30 days    |

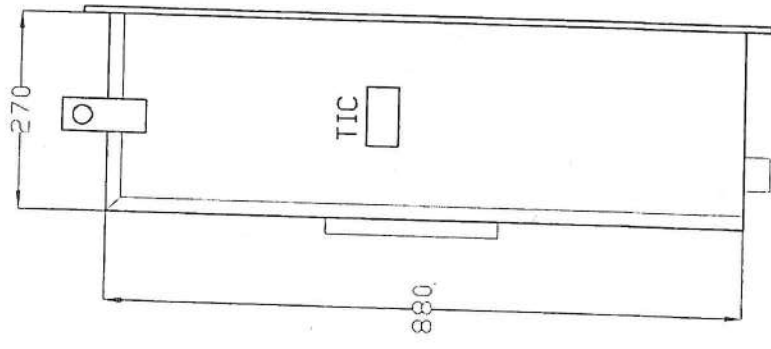
|                  |                                                                                            |                                  |                                |
|------------------|--------------------------------------------------------------------------------------------|----------------------------------|--------------------------------|
| Your Requirement | 1000W                                                                                      | Quantity                         | 1                              |
| Our offer        | Model: PANCOL1000SCE; Cooling capacity:1000W                                               |                                  |                                |
|                  | Unit Rate: ₹ 37,500/-<br>(Special Discounted rate only for Jindal Aluminium)<br>₹ 32,500/- | Mounting Type: Side/Door         | Power: 230VA,<br>1 Phase, 50Hz |
|                  | Packing: Rs.1000/piece                                                                     | Size (WXHXD): 380 X 950 X 270 mm | Consumption: 670 W             |
|                  | Delivery: 4 Weeks                                                                          | Net Weight: 47 kg                | Rated Current: 3.8 A           |
|                  | Service Network: Available at various strategic locations all over India                   |                                  |                                |

### TERMS AND CONDITIONS

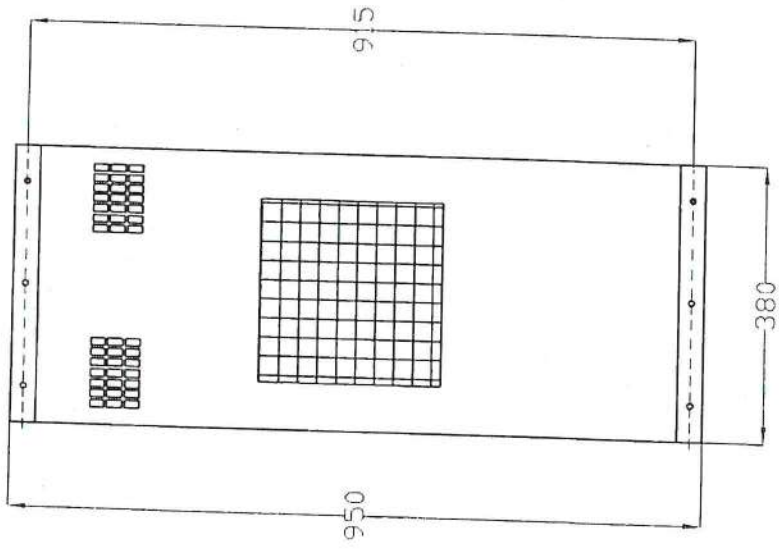
|                    |                                                                                                                                                                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ADD TO BASIC PRICE | 1. Price basis: Ex-works Kolhapur                                                                                                                                                                                                                                      |
|                    | 2. Freight: Extra on 'to pay' basis, through transporter of your choice, we prefer TCI-XPS                                                                                                                                                                             |
|                    | 3. Transit Insurance: Inclusive in basic price                                                                                                                                                                                                                         |
|                    | 4. Taxes: GST Extra @28% aggregate (HSN Code:8415)                                                                                                                                                                                                                     |
|                    | 5. Commissioning in your scope, required cut-out drawing is attached with this offer                                                                                                                                                                                   |
| COMMERCIAL         | 1. Payment terms : 100% against pro-forma invoice prior dispatch;                                                                                                                                                                                                      |
|                    | 2. Warranty: 12 months from the date of dispatch invoice against defective design, workmanship & material, warranty does not cover any electrical / electronic parts.                                                                                                  |
|                    | 3. Delivery: By road through suitable transporter like TCI-XPS Cargo, on door delivery basis                                                                                                                                                                           |
|                    | 4. Bank details: Kotak Mahindra Bank Ltd.; Branch: Sykes Extension; A/C No. 06922120002644; RTGS No./IFS Code: KKBK0000692                                                                                                                                             |
|                    | 5. Legal disclaimer: Subject to Kolhapur Jurisdiction                                                                                                                                                                                                                  |
| TECHNICAL          | 1. Temperature Indicator cum Controller Microprocessor based with LED display; 2 ½ digit. 7 segment display, Temperature range – Operating 0-50 Deg. Celsius, Storage - -20 to 75 Deg. Celsius, Humidity – 95% RH (Non-condensing); Subzero/ Selectron/Equivalent made |
|                    | 2. Compressor: Reciprocating, hermetically sealed type design, Make- Emerson/ Embraco/ Tecumseh/ Equivalent                                                                                                                                                            |
|                    | 3. Condenser & Evaporator: Forced convective, finned over copper tube type, ANUCOOL made coupled with Fan-Motor assembly                                                                                                                                               |



CUT-OUTS TO BE  
MADE ON PANEL

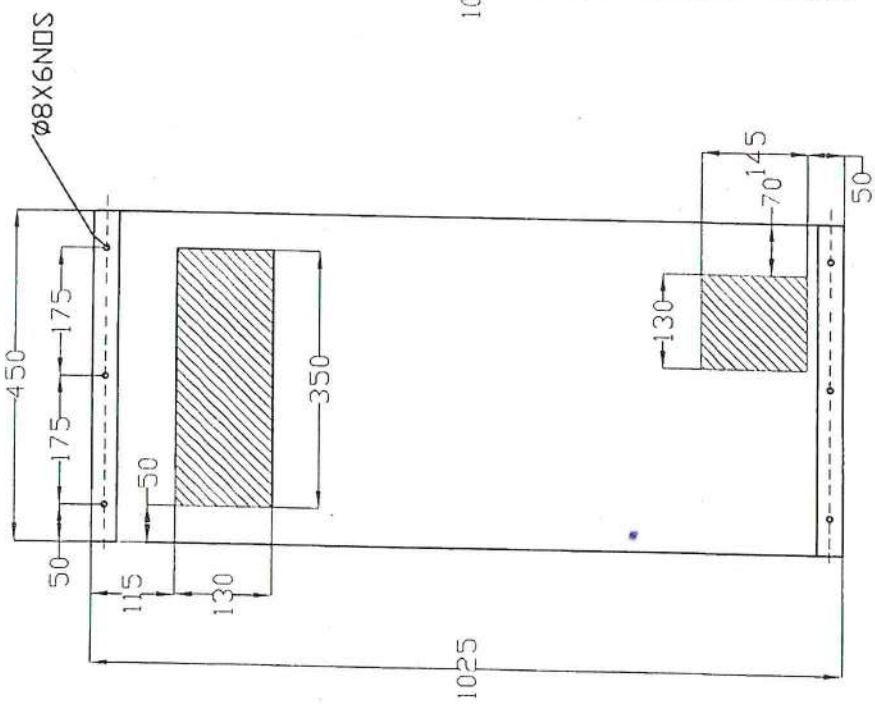


SIDE VIEW

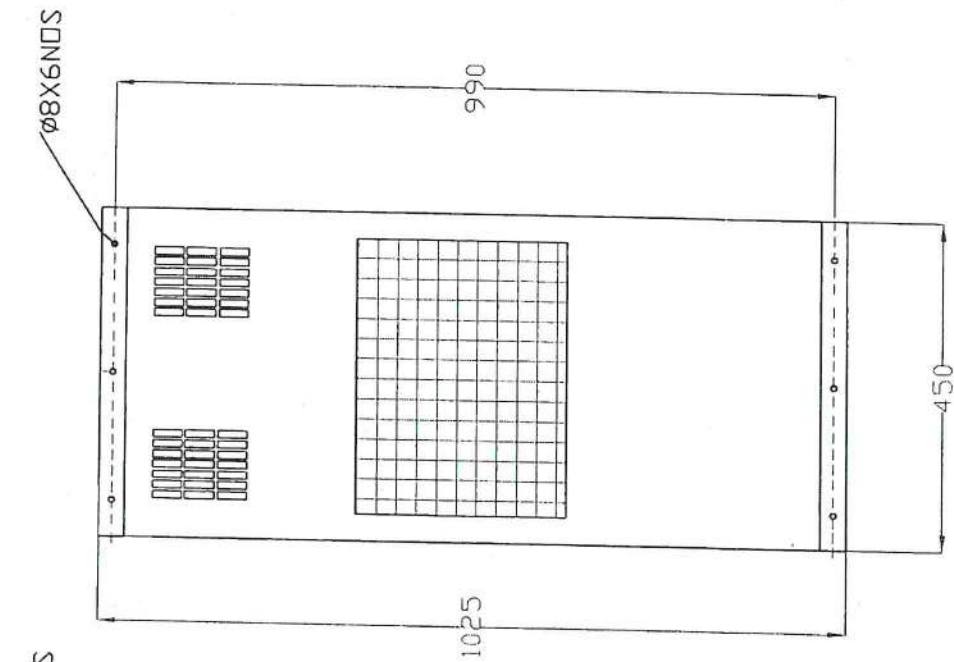


FRONT VIEW

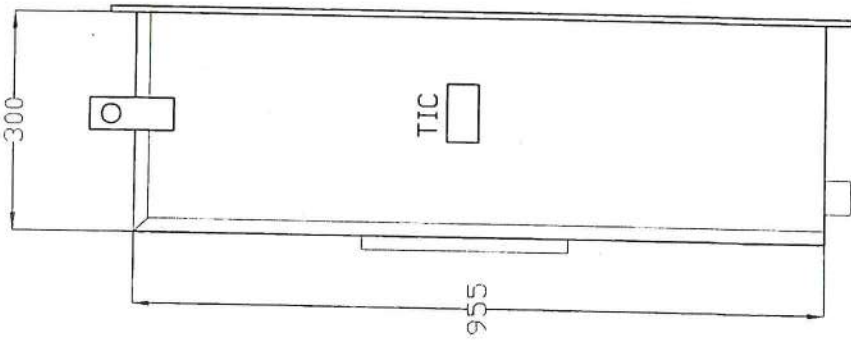
|                                                                |                         |                             |              |
|----------------------------------------------------------------|-------------------------|-----------------------------|--------------|
| UNLESS OTHERWISE SPECIFIED:                                    |                         | NO.                         | DATE         |
| ALL DIMENSIONS ARE IN MM                                       |                         | NAME                        | 1007         |
| SPECIFICATIONS:                                                |                         | CHECKED                     |              |
| 1. THICKNESS - 11 GAUGE (1.3 MM)                               |                         | ENG. APPL.                  |              |
| 2. SURFACE - ENAMEL                                            |                         | REV. APPL.                  | 1007         |
| QUANTITY:                                                      | DIMENSIONS NOT TO SCALE |                             |              |
| MATERIAL:                                                      |                         |                             |              |
| COLOR:                                                         | .....                   |                             |              |
| SURFACE AREA:                                                  |                         |                             |              |
| NEW ANU-COOL ENGINEERS<br>G.A., M.D.C., Gopal Sarpani, Kalyani |                         | TITLE:<br>PANCOL-1000W      |              |
| SIZE                                                           | DWG. NO.                | G.A. DRAWING & INSTALLATION | REV.         |
| A4                                                             |                         |                             | 0            |
| SCALE:                                                         | WEIGHT:                 |                             | SHEET 1 OF 2 |



CUT-OUTS TO BE  
MADE ON PANEL



FRONT VIEW



SIDE VIEW

|                             |                         |      |      |      |
|-----------------------------|-------------------------|------|------|------|
| UNLESS OTHERWISE SPECIFIED: |                         | NO.  | HAUL | DATE |
| ALL DIMENSIONS ARE IN MM    | BLANK                   | DATE | DATE | DATE |
| <b>SPECIFICATION</b>        | CHECKED                 |      |      |      |
| 1. PIPES - 11 GAUGE (1.143) | NO. APPR.               | ISS. | ISS. | ISS. |
| 2. SHEET - 2.0              |                         |      |      |      |
| QUANTITY:                   | DIMENSIONS NOT TO SCALE |      |      |      |
| MATERIAL:                   | COMMENTS:               |      |      |      |
| COLOR:                      |                         |      |      |      |
| SURFACE AREA:               |                         |      |      |      |

NEW ANUCOOL ENGINEERS  
G.A. Drawing & Installation  
PANCOL-2000W  
TITLE:  
SIZE: A4  
DWG. NO.:  
REV: 0  
SCALE:  
WEIGHT:  
SHEET 1 OF 2

# MAA AMBAY COOLING SYSTEM

UNDERTAEN AMC & SERVICING OF:

- Central A. C Plant \* Chilling Unit \* Control Cooling System \* Coolant Chiller
- Split & Window A. C \* Ventilation & Air Compressor \* Air Dryer.

Address: Tijara Road Near Mansa Chock In Front of Sec.-1,U.I.T. Bhiwadi (Rajasthan) 301019

To,

M/S JINDAL ALUMINIUM (India) LIMITED  
BERIAL RIICO BHIWADI-Alwar

date 10/02/2022

Kind Attn; Vikram Jeet G

Sub:- Quotation for Penal a/c

Dear Sir,

With reference to your subject requirement, we are pleased to quote for you penal a/c. Details are given below.

| SR.N<br>o | Particulars                                          | HSN CODE | QTY  | Rate<br>with<br>material | Amount |
|-----------|------------------------------------------------------|----------|------|--------------------------|--------|
| 1         | Basic cost of 1000 watt penal a/c<br>(Werner Finley) | 84181019 | 1Nos | 42000                    | 42000  |
| 2         | Basic cost of 2000 watt penal a/c<br>(Werner Finley) | 84181019 | 1Nos | 64000                    | 64000  |

Terms & Condition

1. Freight- Extra at actual from Bangalore.
2. Packing charges -2% of Basic cost(wooden packaging)
3. Freight- Material 28%GST Extra .
4. Delivery-4-5 weeks from receipt of advance.
5. Payment- 50% Advance 50% against performa invoice
6. Warranty- 12 months from date of invoice.
7. Quotation Validity -1 Year

Thanks you

For- MAA AMBAY COOLING SYSTEM

Mr -Bhupander Singh

Mob- 9785254350,9414754924

Email – maacoolingsystems@gmail.com

**CHECK LIST**

DISCOUNT: ed Rate

DOCP

EXTRA

N.A.

EXTRA

EXTRA

50% Advance, 50%  
Against Proforma Invoice.  
FOR- JAL BWD

warranty. 12 months

to weeks

11/03/22

discussed with  
Mr. Bhupander Singh  
and agreed above  
date