

| <b>Model</b>                                      | <b>OPA 560RLTFPQ-S1</b>        |
|---|--------------------------------|
| Configuration                                     | Horizontal Supply Air          |
| Item No. (Standard / Opposite Hand)               | 876-056-701 / 876-056-710      |
| Unit c/w Fresh Air Cowl (OPA 560RLTFPQ-C)         | 878-056-701 / 878-056-710      |
| Configuration                                     | Downward Supply Air            |
| Item No. (Standard / Opposite Hand)               | 876-056-723 / 876-056-732      |
| Unit c/w Fresh Air Cowl (OPA 560RLTFPQ-C)         | 878-056-723 / 878-056-732      |
| Cooling capacity (net) <sup>1</sup>               | 53.5 kW                        |
| Cooling capacity range (gross)                    | 27.4 ~ 64.8 kW                 |
| Heating capacity <sup>1</sup>                     | 57.0 kW                        |
| Heating capacity range                            | 24.0 ~ 63.1 kW                 |
| Electrical input - cooling                        | 17.9 kW                        |
| Electrical input - heating                        | 19.1 kW                        |
| EER / AEER (cooling) <sup>1</sup>                 | 2.99 / 2.98                    |
| COP / ACOP (heating) <sup>1</sup>                 | 2.98 / 2.97                    |
| Unit Controller                                   | UC8                            |
| Refrigerant                                       | R32                            |
| Refrigerant Charge                                | 13.5 kg                        |
| Minimum floor area (@2.4m below ceiling diffuser) | 97 m <sup>2</sup>              |
| Compressor oil type                               | POE 46 (NXG5020 or equivalent) |
| Compressor type                                   | inverter scroll                |
| Power supply <sup>2</sup>                         | 3 ph. 400 V ac 50 Hz + N + E   |
| Compressor (3ph.) run amps <sup>1</sup>           | 22 A/ph                        |
| Compressor + VSD circuit breaker                  | 50 A                           |
| Indoor fan motor size                             | EC plug 560 dia. 4.2kW         |
| Nominal air flow <sup>1</sup>                     | 2 600 l/s                      |
| Indoor fan motor (3ph.) - full load               | 6.5 A/ph.                      |
| Outdoor fan motor (3ph.) - full load              | 4.2 A/ph.                      |
| Outdoor fan type                                  | EC axial                       |
| Outdoor fan max. static pressure @ 6 450 l/s      | 125 Pa                         |
| Control circuit breaker (internal)                | 2 A                            |
| Auxiliary power outlet (1ph.) overload setting    | 10 A                           |
| Running amps (total system) <sup>1</sup>          | 28 / 26 / 29 A                 |
| Max. running amps (total system)                  | 44 A/ph.                       |
| RCD type recommended                              | type B, 30mA, 3 pole           |
| Net weight  | 759 kg                         |
| Shipping weight                                   | 823 kg                         |
| Net Weight c/w Fresh Air Cowl option              | 771 kg                         |

**Accessories:**

|                                   |                             |
|-----------------------------------|-----------------------------|
| Filters - rated EU4/G4 disposable | 019-400-005 600x500x50 (x4) |
| Filters - rated EU4/G4 washable   | 019-000-034 600x500x50 (x4) |
| Drain tundish (set of 2)          | 060-000-653                 |

**Optional Controls:**

|                                     |             |
|-------------------------------------|-------------|
| TZT-100 Room temperature controller | 201-000-350 |
|-------------------------------------|-------------|

Refer to temperzone for other options.

<sup>1</sup> Tested in accordance with AS/NZS 3823

<sup>2</sup> Voltage range: 380-440V

<sup>3</sup> Filter sizes are nominal; refer to Temperzone for actual measurements.

# DIMENSIONS (mm)



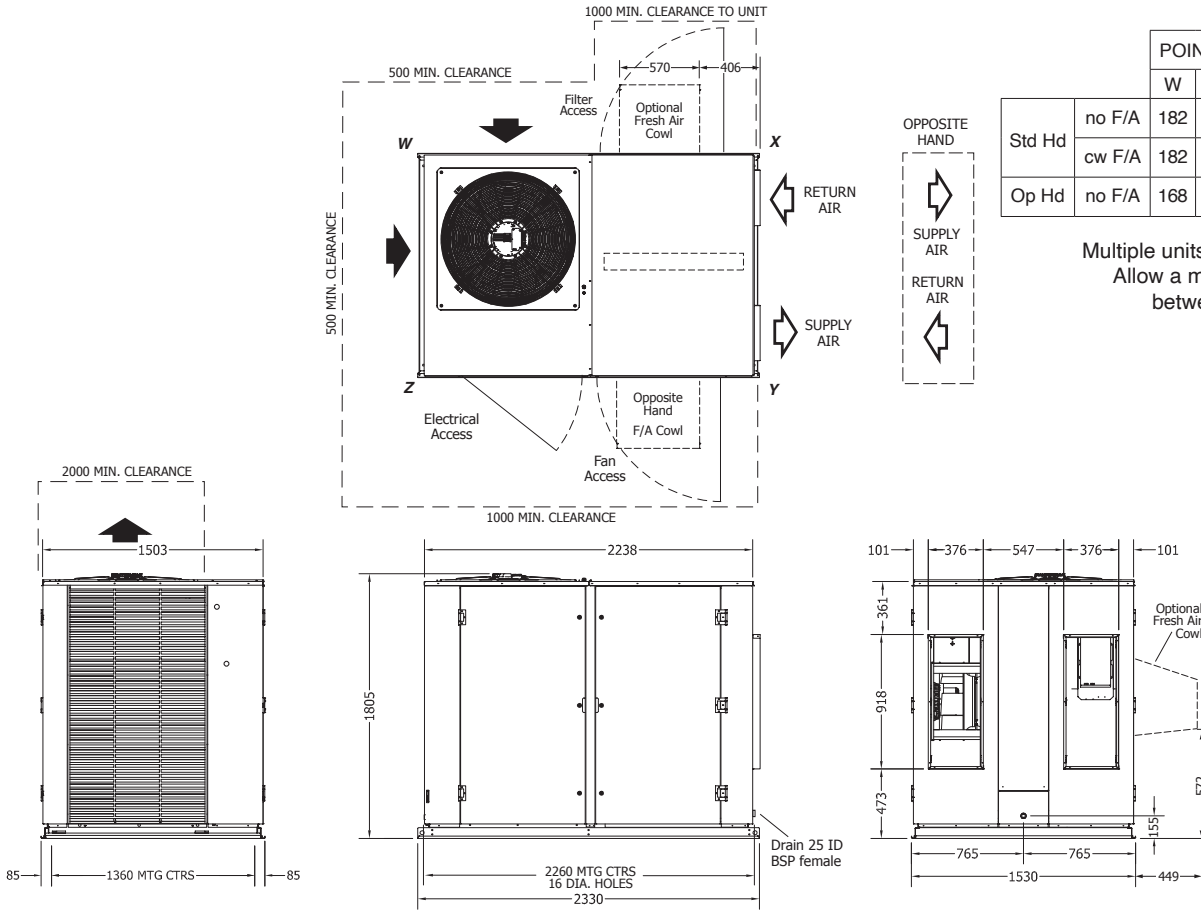
## OPA 560RLTFP01(-C) Standard Hand, Horizontal Supply

Not to Scale

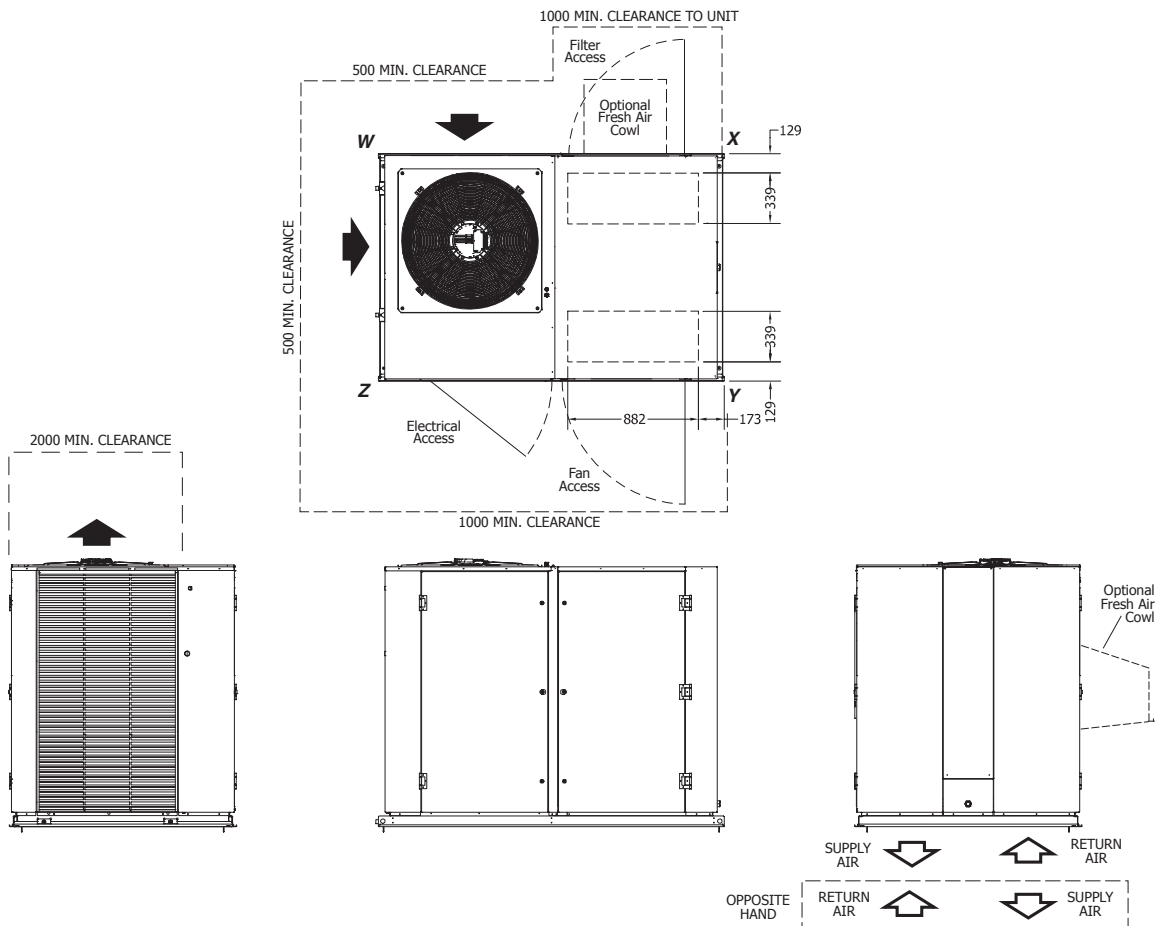
POINT LOADS (kg)

|        |        | W   | X   | Y   | Z   |
|--------|--------|-----|-----|-----|-----|
| Std Hd | no F/A | 182 | 171 | 195 | 211 |
|        | cw F/A | 182 | 183 | 195 | 211 |
| Op Hd  | no F/A | 168 | 218 | 153 | 220 |

Multiple units side-by-side:  
Allow a minimum of 1m  
between coil faces.

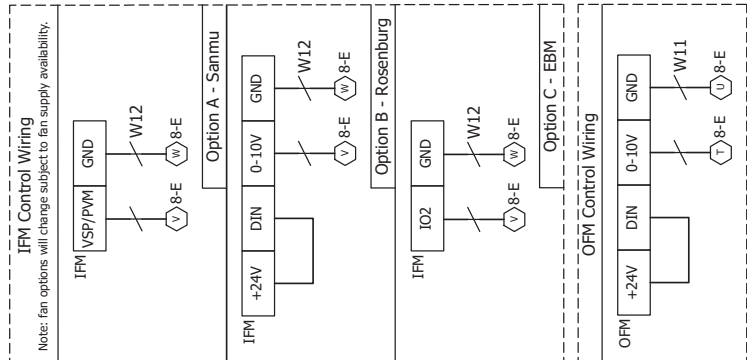
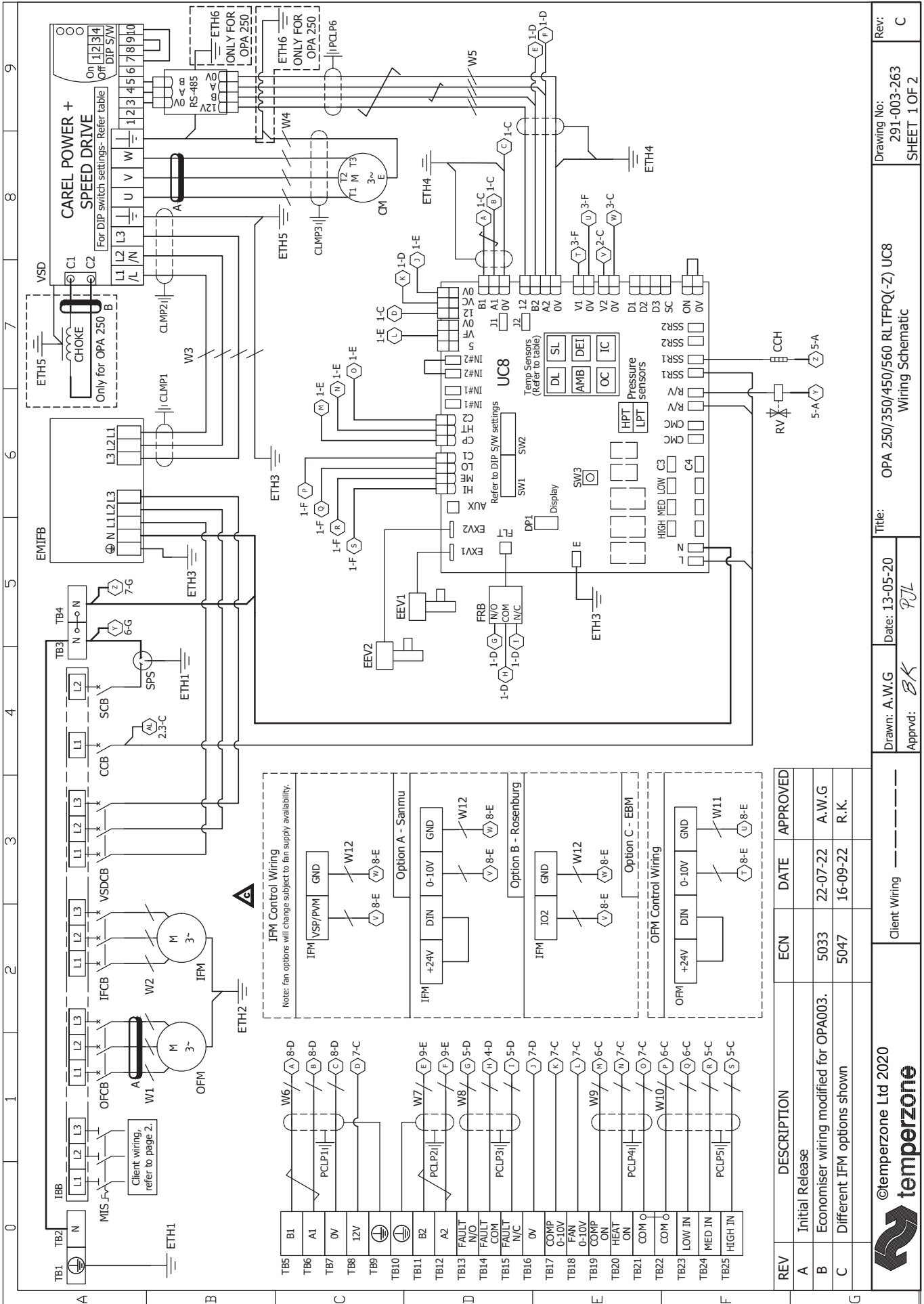


## OPA 560RLTFP23(C) Standard Hand, Downward Supply



**NOTE**

Specifications are subject to change without notice due to the manufacturer's ongoing research and development programme.



| REV | DESCRIPTION                            | ECN  | DATE     | APPROVED |
|-----|--|------|----------|----------|
| A   | Initial Release                        |      |          |          |
| B   | Economiser wiring modified for OPA003. | 5033 | 22-07-22 | A.W.G    |
| C   | Different IFM options shown            | 5047 | 16-09-22 | R.K.     |

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Client Wiring

Drawn: A.W.G  
 Date: 13-05-20  
 Approved: *BK* *PJL*

Title: OPA 250/350/450/560 RLTFPQ(-z) UC8  
 Wiring Schematic

Drawing No: 291-003-263  
 SHEET 1 OF 2

Rev: C

| 0   | 1  | 2   | 3           | 4              | 5               | 6             | 7    | 8 | 9   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
|---|--|---|-------------|----------------|-----------------|---------------|------|---|---|-------------|-----|---|----------|-------------------------|-----------------|-------------------------|-----|------------------|----|--|------|------------------------|-------|-------------------------|-----------------------------|----------------------------|----------|------------------|-----|-------|-----|-------------------|------|----------------------------|-----|------------------|-----|-------------------|-----|----------------------|------|-----------------------------|-----|-------------------|------|--------|----|-----------------|-----|------------------------|-----|---------------------|----|----------------|----|-------------|-----|-------------------|-----|----------------------|-------|--------------------------------------|---|--------------|---|---|----|------|------|--------|----|----------------|---|------|----|--------------|---|-------|-----|--------------|---|--------|-----|-------------|---|------|----|-------------|---|------|-----|------------------|---|--|-----|---------------|---|--|---------------|-------|------------------|----|-----|----|----|---|---|----|---|---|----|-----|-----|---|-------------------------|--|-------------------------|--|------------|--------|------------|--------|-----------------|----|------|----|----------------|-----|------|-----|
| <p style="text-align: center;"><b>Client Wiring</b></p>   | <p style="text-align: center;"><b>Customer BMS Input</b></p> | <p style="text-align: center;"><b>Ferrites</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Part Number</th> <th>Frequency Type</th> <th>Number of Turns</th> </tr> </thead> <tbody> <tr> <td>A 012-001-074</td> <td>High</td> <td>1</td> </tr> <tr> <td>B 012-001-094</td> <td>Low</td> <td>1</td> </tr> </tbody> </table> <p style="text-align: center;"><b>Important Note!</b><br/>Ferrite 'A' on OD Fan circuit breaker for OPA 450 and 560 only.</p> | Part Number | Frequency Type | Number of Turns | A 012-001-074 | High | 1 | B 012-001-094   | Low         | 1   | <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>24VCB</td><td>24 Volt Circuit Breaker</td></tr> <tr><td>CCB</td><td>Control Circuit Breaker</td></tr> <tr><td>CCH</td><td>Crankcase Heater</td></tr> <tr><td>CM</td><td>Compressor Motor</td></tr> <tr><td>DMF</td><td>Damper Motor Fresh Air</td></tr> <tr><td>DMR</td><td>Damper Motor Return Air</td></tr> <tr><td>EEV</td><td>Electronic Expansion Valve</td></tr> <tr><td>EMIFB</td><td>EMI Filter Board</td></tr> <tr><td>ETH</td><td>Earth</td></tr> <tr><td>FRB</td><td>Fault Relay Board</td></tr> <tr><td>IFCB</td><td>Indoor Fan Circuit Breaker</td></tr> <tr><td>IFM</td><td>Indoor Fan Motor</td></tr> <tr><td>IBB</td><td>Insulated Bus Bar</td></tr> <tr><td>MIS</td><td>Main Isolator Switch</td></tr> <tr><td>OFCB</td><td>Outdoor Fan Circuit Breaker</td></tr> <tr><td>OFM</td><td>Outdoor Fan Motor</td></tr> <tr><td>PCLP</td><td>P Clip</td></tr> <tr><td>RV</td><td>Reversing Valve</td></tr> <tr><td>SCB</td><td>Socket Circuit Breaker</td></tr> <tr><td>SPS</td><td>Single Phase Socket</td></tr> <tr><td>TB</td><td>Terminal Block</td></tr> <tr><td>TR</td><td>Transformer</td></tr> <tr><td>UC8</td><td>Unit Controller 8</td></tr> <tr><td>VSD</td><td>Variable Speed Drive</td></tr> <tr><td>VSDCB</td><td>Variable Speed Drive Circuit Breaker</td></tr> <tr><td>W</td><td>Cable Marker</td></tr> </table> | 24VCB    | 24 Volt Circuit Breaker | CCB             | Control Circuit Breaker | CCH | Crankcase Heater | CM | Compressor Motor                       | DMF  | Damper Motor Fresh Air | DMR   | Damper Motor Return Air | EEV                         | Electronic Expansion Valve | EMIFB    | EMI Filter Board | ETH | Earth | FRB | Fault Relay Board | IFCB | Indoor Fan Circuit Breaker | IFM | Indoor Fan Motor | IBB | Insulated Bus Bar | MIS | Main Isolator Switch | OFCB | Outdoor Fan Circuit Breaker | OFM | Outdoor Fan Motor | PCLP | P Clip | RV | Reversing Valve | SCB | Socket Circuit Breaker | SPS | Single Phase Socket | TB | Terminal Block | TR | Transformer | UC8 | Unit Controller 8 | VSD | Variable Speed Drive | VSDCB | Variable Speed Drive Circuit Breaker | W | Cable Marker | <p style="text-align: center;"><b>Economiser Option</b></p> | <p style="text-align: center;"><b>Sensors (S) / Transducers (T)</b></p> <table border="1" style="width:100%; 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| Part Number   | Frequency Type   | Number of Turns   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| A 012-001-074   | High   | 1   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| B 012-001-094   | Low  | 1   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| 24VCB   | 24 Volt Circuit Breaker                                      |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| CCB   | Control Circuit Breaker                                      |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| CCH   | Crankcase Heater   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| CM  | Compressor Motor   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| DMF   | Damper Motor Fresh Air                                       |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| DMR   | Damper Motor Return Air                                      |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| EEV   | Electronic Expansion Valve                                   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| EMIFB   | EMI Filter Board   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| ETH   | Earth  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| FRB   | Fault Relay Board  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| IFCB  | Indoor Fan Circuit Breaker                                   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| IFM   | Indoor Fan Motor   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| IBB   | Insulated Bus Bar  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| MIS   | Main Isolator Switch   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| OFCB  | Outdoor Fan Circuit Breaker                                  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| OFM   | Outdoor Fan Motor  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| PCLP  | P Clip   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| RV  | Reversing Valve  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| SCB   | Socket Circuit Breaker                                       |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| SPS   | Single Phase Socket  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| TB  | Terminal Block   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| TR  | Transformer  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| UC8   | Unit Controller 8  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| VSD   | Variable Speed Drive   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| VSDCB   | Variable Speed Drive Circuit Breaker                         |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| W   | Cable Marker   |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| DL  | Name   | Type  | Colour      |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| DL  | Discharge Temp   | S   | GREY        |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| SL  | Suction Temp   | S   | WHITE       |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| AMB   | Ambient Temp   | S   | YELLOW      |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| DEI   | De-ice Temp  | S   | BLUE        |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| IC  | De-ice Temp  | S   | BLUE        |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| LPT   | Suction Pressure   | T   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| HPT   | High Pressure  | T   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| UC8 terminals   | SAT-3  | TZT100 Terminals  |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| 12  | 12V  | 24  |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| B2  | B  | B   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| A2  | A  | A   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| 0V  | GND  | 24C   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| UC8 DIP switch settings   |  | PSD DIP switch settings   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| DIP switch  | On/Off   | DIP switch  | On/Off      |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| 1,2,4,6,7,10,14   | On   | 1, 4  | On          |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| All Others Off  | Off  | 2, 3  | Off         |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| <p style="text-align: center;"><b>Important Note!</b><br/>Unit requires 24 hour power supply for control circuit and crankcase heaters</p>  |  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>ECN</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Initial Release</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B</td> <td>Economiser wiring modified for OPA003.</td> <td>5033</td> <td>22-07-22</td> <td>A.W.G</td> </tr> <tr> <td>C</td> <td>Different IFM options shown</td> <td>5047</td> <td>16-09-22</td> <td>R.K.</td> </tr> </tbody> </table> |  |   |             |                |                 |               |      |   | REV   | DESCRIPTION | ECN | DATE  | APPROVED | A                       | Initial Release |                         |     |                  | B  | Economiser wiring modified for OPA003. | 5033 | 22-07-22               | A.W.G | C                       | Different IFM options shown | 5047                       | 16-09-22 | R.K.             |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| REV   | DESCRIPTION  | ECN   | DATE        | APPROVED       |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| A   | Initial Release  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| B   | Economiser wiring modified for OPA003.                       | 5033  | 22-07-22    | A.W.G          |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| C   | Different IFM options shown                                  | 5047  | 16-09-22    | R.K.           |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| <p style="text-align: center;">Client Wiring</p>  |  |   |             |                |                 |               |      |   | <p style="text-align: center;">Drawing No:<br/>291-003-263<br/>SHEET 2 OF 2</p> |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| <p style="text-align: center;">©temperzone Ltd 2020<br/><b>temperzone</b></p>   |  |   |             |                |                 |               |      |   | <p style="text-align: center;">Rev: C</p>                                       |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| <p style="text-align: center;">Title: OPA 250/350/450/560 RL.TFPQ(-Z) UC8 Wiring Schematic</p>  |  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| <p style="text-align: center;">Drawn: A.W.G    Date: 13-05-20    P.J.L.</p>   |  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |
| <p style="text-align: center;">Apprvd: <i>BK</i></p>  |  |   |             |                |                 |               |      |   |   |             |     |   |          |                         |                 |                         |     |                  |    |  |      |                        |       |                         |                             |                            |          |                  |     |       |     |                   |      |                            |     |                  |     |                   |     |                      |      |                             |     |                   |      |        |    |                 |     |                        |     |                     |    |                |    |             |     |                   |     |                      |       |                                      |   |              |   |   |    |      |      |        |    |                |   |      |    |              |   |       |     |              |   |        |     |             |   |      |    |             |   |      |     |                  |   |  |     |               |   |  |               |       |                  |    |     |    |    |   |   |    |   |   |    |     |     |   |                         |  |                         |  |            |        |            |        |                 |    |      |    |                |     |      |     |