

## Refrigeration Plant Data Sheet

Site Ref:CP Hayling Islands

Date:11/09/2014

|                              |                           |                                                                                       |
|------------------------------|---------------------------|---------------------------------------------------------------------------------------|
| <b>Type of Equipment</b>     |                           | Rationalised Pack                                                                     |
| <b>Model No.</b>             |                           | CPPA3SE-15-045-HT-H-S                                                                 |
| <b>Quantity</b>              |                           | 1                                                                                     |
| <b>Design Parameters:-</b>   | Refrigerant               | R407A                                                                                 |
|                              | Condensing Temp, °C       | 43°C                                                                                  |
|                              | SST, °C IT                | -8                                                                                    |
|                              | Useful Superheat, K       | 10                                                                                    |
|                              | Liquid Subcooling, K      | 5                                                                                     |
|                              | Suction Superheat, K      | 20                                                                                    |
|                              | Suction Return Temp, °C   | /                                                                                     |
| <b>Model of Compressors</b>  | IT                        | 3*ZB38                                                                                |
| <b>Duty</b>                  | IT, kW                    | 27.5                                                                                  |
| <b>Design Heat Rejection</b> | THR, kW                   | 42                                                                                    |
| <b>Max run amps</b>          | Amps                      | 48.4                                                                                  |
| <b>Design run amps</b>       | Amps                      | 29.4                                                                                  |
| <b>Noise Data</b>            | dB(A) Sound Power         | 47/44                                                                                 |
| <b>Weight, approx</b>        | kg                        | 1500                                                                                  |
| <b>Liquid Receivers</b>      | Orientation               | Horizontal                                                                            |
|                              | Location                  | Loose                                                                                 |
|                              | Capacity, litre           | 32                                                                                    |
|                              | Pressure Relief           | Included                                                                              |
|                              | Shut-off Valve            | Included                                                                              |
|                              | Low Level Liquid Alarm    | Included                                                                              |
| <b>Oil Management</b>        | Compressors               | Oil header/manifold assembly                                                          |
|                              | Separators                | Conventional                                                                          |
|                              | Oil Type                  | Solest 31 HE                                                                          |
| <b>Container</b>             | Finish                    | Not Applicable                                                                        |
|                              | Acoustic                  | Damping Sheet                                                                         |
|                              | Dimensions (footprint),mm | 1560*600*1080                                                                         |
|                              | Dimensions (max),mm       | 1810*600*1080                                                                         |
|                              | Access                    | Front                                                                                 |
|                              | Services                  | Top Left                                                                              |
| <b>Frame</b>                 | Finish                    | Not Applicable                                                                        |
|                              | Dimensions (footprint),mm | /                                                                                     |
|                              | Dimensions (max),mm       | /                                                                                     |
|                              | Access                    | Not Applicable                                                                        |
|                              | Services                  | Not Applicable                                                                        |
| <b>Control Panel</b>         | Main Control              | RDM                                                                                   |
|                              | Back up Control           | Siemens B/up                                                                          |
|                              | Isolation                 | 1 x Main Interlocking                                                                 |
|                              | Location                  | Fitted to pack                                                                        |
|                              | Compressor control        | Included                                                                              |
|                              | Condenser control         | Included based on EC Condenser 4 fans ( for alternate condenser control refer to ACL) |
| <b>Other Equipment</b>       | Inverter                  | Not Included                                                                          |
|                              | Suction Filters           | Fitted                                                                                |
|                              | Suction Shut-off Valves   | Fitted                                                                                |
|                              | Discharge Shut-off Valves | Fitted                                                                                |
|                              | Head Cooling Fans         | Not Included                                                                          |
|                              | Crankcase Heaters         | 1 x each compressor                                                                   |
|                              | HP Switch                 | 1 per compressor                                                                      |
|                              | LP Switch                 | 1 per compressor                                                                      |
| <b>Condenser Type</b>        | Pack AV Mounts            | Not included                                                                          |
|                              |                           | Not Included                                                                          |