arctic circle

# Refrigeration Plant Data Sheet

Site Ref:ST ANDREWS SQUARE
Date:28/05/2014
Quote Ref :595 REV C

| | | |
|---|---|---|
| **Type of Equipment** | | Rationalised Pack |
| **Model No.** | | CPPA4SU-15/6-061-DT-S |
| **Quantity** | | 1 |
| **Design Parameters:-** | 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 | / |
| | | |
| | SST, °C LT | -32 |
| | Useful Superheat, K | 10 |
| | Liquid Subcooling, K | 5 |
| | Suction Superheat, K | 30 |
| | Suction Return Temp, °C | / |
| **Model of Compressors** | IT | 3*ZB38 |
| | LT | 1*ZF18 |
| **Duty** | IT, kW | 27.54 |
| | LT, kW | 3.3 |
| **Design Heat Rejection** | THR, kW | 44.8 |
| **Max run amps** | Amps | 60.9 |
| **Design run amps** | Amps | 36.9 |
| **Sound Power Levels** | dB(A) | 51 |
| **Noise Data** | dB(A) @ 10m free field | 34/30 |
| **Weight, approx** | kg | TBC |
| **Liquid Receivers** | Orientation | Horizontal |
| | Location | Loose |
| | Capacity, litre | 46 |
| | Pressure Relief | Included |
| | Shut-off Valve | Included |
| | Low Level Liquid Alarm | Included |
| **Oil Management** | Compressors | Oil header/manifold assembly |
| | Separators | Conventional |
| | Oil Type | Solest 31 HE |
| **Container** | Finish | RAL colour 9007 |
| | Acoustic | Standard acoustic in-fill panels |
| | Dimensions (footprint),mm | 1920*600*1400 |
| | Dimensions (max),mm | 2170*650*1400 |
| | Access | Front |
| | Services | Top Right |
| **Frame** | Finish | Not Applicable |
| | Dimensions (footprint),mm | / |
| | Dimensions (max),mm | / |
| | Access | Front |
| | Services | Top Left |
| **Control Panel** | 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) |
| | Inverter | Not Included |
| **Other Equipment** | Suction Filters | Fitted |
| | Suction Shut-off Valves | Fitted |
| | Discharge Shut–off Valves | Fitted |
| | Head Cooling Fans | Not Included |
| | Vibration Eliminators | Fitted to all compressor delivery lines |
| | Crankcase Heaters | 1 x each compressor |
| | HP Switch | 1 per compressor |
| | LP Switch | 1 per compressor |
| | Pack AV Mounts | Not included |
| **Condenser Type** | | Not Included |