



RENTAL SYSTEMS

24-HOUR HOTLINE 1300 130 750



## 100 KW AIR COOLED HEAT PUMP

Unit Arrangement - Dimensions are Approximate

### GENERAL DESCRIPTION AND FEATURES

Ready for operation with minimal setup  
Carrier Smart Service remote monitoring.  
Single point power connection  
Forkliftable  
Low ambient temperature operation to -4°C  
High ambient temperature operation to 35°C  
Operating split up to 9°C TD for process applications

### EQUIPMENT DATA

**Model** 30RQ100S

### DIMENSION DATA

**Operating Weight** 1235 KG  
**Dimensions** 2050mm L x 2250mm W x 1321mm H  
**Leveling Required** Within 20mm per 3M.

### MECHANICAL DATA

**Water Connections** Victaulic/Flanged  
**Pressure Drop** 48 kPa  
**Static Head at pump** 276.5 kPa  
**Minimum Load** 20KW  
**Minimum Water Flow** 4.9 L/S  
**Circuits / Compressors** 1 / 2  
**Refrigerant / Charge** R410a

### ELECTRICAL DATA

**Voltage** 415 V / 3 phase / 50 hertz  
**RLA** 84 amps  
**Connection** Camlock  
**Power Factor** 0.81  
**FLA** 70.2 amps

|                      | Cooling Mode |
|----------------------|--------------|
| Ambient Temperature  | 35 °C        |
| Cooling Capacity     | 95.85KW      |
| Leaving Temperature  | 6 °C         |
| Entering Temperature | 10.66 °C     |
| Pressure Drop        | 57.7 kPa     |

|                      | Heating Mode |
|----------------------|--------------|
| Ambient Temperature  | 7 °C         |
| Heating Capacity     | 101.4 KW     |
| Leaving Temperature  | 45 °C        |
| Entering Temperature | 40 °C        |
| Pressure Drop        | 48 kPa       |