



RENTAL SYSTEMS

24-HOUR HOTLINE 1300 130 750



## 727 KW AIR COOLED SCROLL CHILLER

Unit Arrangement - Dimensions are Approximate

### GENERAL DESCRIPTION AND FEATURES

Ready for operation with minimal setup  
Carrier Smart Service remote monitoring.  
Single point power connection  
Inbuilt BMS control  
BacNET/IP control connection  
High ambient temperature operation

### EQUIPMENT DATA

**Model** 30RBP720R

### SHIPPING DATA

**Operating Weight** 3511 KG  
**Dimensions** 5992mm L x 2253mm W x 2324mm H  
**Leveling Required** Within 20mm per 3M.  
**Installed Clearances** 1.5M (sides), 1.2M (electrical)

### MECHANICAL DATA

**Water Connections** Victaulic/flanged  
**Pressure Drop** 23.7 kPa  
**Minimum Load** 144KW  
**Circuits / Compressors** 2 / 6  
**Refrigerant / Charge** R32

### ELECTRICAL DATA

**Voltage** 415 V / 3 phase / 50 hertz  
**FLA** 525 amps  
**Power Factor** 0.845  
**FLA** 562 amps

	Chiller Selection
Ambient Temperature	35 °C
Cooling Capacity	727 KW
Leaving Temperature	7 °C
Entering Temperature	14 °C
Sound Pressure @ 10m	66dB(A)

Non-standard Part Load Value					
NPLV.SI	kW/kW	5.575			
Unit Performance					
Percent Full Load Capacity	%	100.0	75.0	50.0	25.0
PercentFullLoadPower	%	100.0	53.5	24.5	10.7
Cooling Capacity	kW	727.5	545.6	363.8	181.9
Unit Power Input	kW	234.8	125.6	57.48	25.04
Efficiency	kW/kW	3.098	4.343	6.328	7.265
Evaporator Data					
Fluid Entering Temperature	°C	14.00	12.25	10.50	8.75
Fluid Leaving Temperature	°C	7.00	7.00	7.00	7.00
Fluid Flow Rate	l/s	24.80	24.80	24.80	24.80
Fouling Factor	(sqm-K)/kW	0.0180	0.0180	0.0180	0.0180