# **Detailed Performance Summary For 30RBS-160**

Project: Friends House Prepared By:

03/08/2012 05:10PM

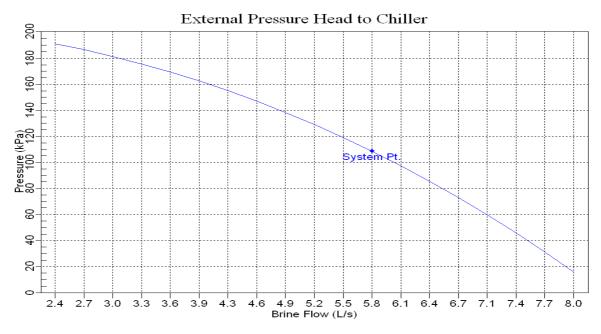
Unit Information  Tag Name:	e: Montlu	ORBS-160 Air Cooled Scroll	V-Ph-Hz  % kg kg mm mm mm mm
Performance Informat Cooling Capacity: Total Compressor Po Total Fan Motor Pow Pump Power: Total Unit Power (with Total Unit Power (with Efficiency (without pu	wer: er: nout pump): n pump): mp):	60.1 1.40 61.5 63.4	kW kW kW kW kW kW
Acoustics Information A-Weighted Sound P  Evaporator Informatio Fluid Type: Brine Concentration:. Fouling Factor: Leaving Temperature Entering Temperature Fluid Flow: Total Pressure Drop	ower Level: n Ethyle	ene Glycol 20.0 0.0000 6.0 12.0 5.81	dbA  % (sqm-K)/kW °C °C L/s kPa
Condenser Informatio Altitude:	Air Flow at 20°C ture:		°C V-Ph-Hz kW
Amps (Un)  Max Unit Current Draw (RLA)  Max Start Up Current (ICF)  Nominal Unit Current Draw (A)			al

### **Integrated Pump Information**

Static Head at Pump: **173.4** kPa Static Head External to Chiller: **108.7** kPa

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#### **Accessories and Installed Options**

Opt. 148C CCN to Bac-Net Gateway Opt. 116G Fixed Speed Dual Pump LP

Opt. 15LS Super Low Noise

Opt. 264 Water Exchanger Screwed Connection

### **European Seasonal Energy Efficiency Ratio (EUROVENT)**

ESEER: 3.85 kW/kW

Unit Performance				(1)
Percent Full Load Capacity, %	100	75	50	25
Percent of Full Load Power, %	100.0	53.6	27.3	12.6
Unloading Sequence	A	A	A	A
Cooling Capacity, kW	145.2	108.9	72.6	36.3
Total Unit Power, kW	63.9	34.3	17.5	8.1
Efficiency, kW/kW	2.27	3.18	4.15	4.49
Evaporator Data				
Fluid Entering Temperature, °C	12.0	10.7	9.5	8.2
Fluid Leaving Temperature, °C	7.0	7.0	7.0	7.0
Fluid Flow Rate, L/s	6.93	6.93	6.93	6.93
Fouling Factor, (sqm-K)/kW	0.000	0.000	0.000	0.000
Condenser Data				
Entering Air Temperature, °C	35.0	30.0	25.0	20.0

Values given are interpolated and are not directly measurable under laboratory conditions.

(1) Compressor cycling is expected. Stated performances are average.

All performance efficiency data are without pump.

Calculations done in accordance with adjusted performances(not taking into account pump efficiency and exchanger(s) pressure drop) - Not compliant with EN14511-3 : 2011.

Sound Power Lw according to ISO 9614-1 and EUROVENT standard 8/1.