



Project:
Unit Tag:
Engineer:
Customer:

Rating Program: XEngine 1.0.7498
Software Version: YW 20.03
Date: 08/23/2020 13:30:08

SALES REPORT

Unit Specifications			
Model	YMC2-S1934AB	Refrigerant	R-134a
Specified Net Capacity (kW)	1934	Refrigerant Charge (kg)	411
Rated Net Capacity (kW)	1934	Variable Orifice	V2
Heat Rejection Capacity (kW)	2290		
GB COP (COP)	6.029	Isolation Valve	Y
GB IPLV (COP)	9.148	OptiSound Control	Y
GB IPLV 2 (COP)	9.648		
Input Power (kW)	320.7	Voltage / Hz	380 / 50.0
Starter Type	HYP0730XHC***-50B	FLA (Amps)	515
Compressor	M2C-246FAC	A-Weighted SPL (dBA)	76
Evaporator	EB3310-321-BS*-2***	Min Circuit Ampacity	644
Condenser	CB2910-260-ES*-2***	Max Circuit Breaker Amps	1000
Sales Model	YMC3310B2910E246M2B		

	Evaporator	Condenser
Fluid	Water*	Water*
Tube MTI No.	321	260 / 260
Passes	2*	2*
Fouling Factor (m ² -°C/kW)	0.01800	0.04400
Entering Fluid Temp (°C)	11.99	30.00
Leaving Fluid Temp (°C)	7.00	34.72
Fluid Flow (L/s)	92.40	115.5
Fluid Pressure Drop (kPa H2O)	61.8	46.8

(*) Designates User Specified Input

GB IPLV CALCULATION:

$$GB\ IPLV = 0.023A + 0.415B + 0.461C + 0.101D$$

$$GB\ IPLV\ 2 = 0.012A + 0.328B + 0.397C + 0.263D$$

A = GB COP AT 100% NET CAPACITY

C = GB COP AT 50% NET CAPACITY

B = GB COP AT 75% NET CAPACITY

D = GB COP AT 25% NET CAPACITY

Within the scope of AHRI Water-Cooled Water-Chilling and Heat Pump Water-Heating Packages Certification Program, AHRI Certified performance may be obtained from the manufacturer's representative.

- Compliant with ASHRAE 90.1-2004.
- Compliant with ASHRAE 90.1-2007.
- Compliant with ASHRAE 90.1-2010.
- Compliant with ASHRAE 90.1-2013.
- Compliant with ASHRAE 90.1-2016.

Compliant with the requirements of the LEED Energy and Atmosphere Enhanced Refrigerant Management Credit (EAc4).
Materials and construction per mechanical specifications - Form 160.84-EG1.
Auxiliary components included in total kW - Chiller controls.





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Partload Data (Full Load with GB IPLV per Std. Condition Set)								
% Load	Net Capacity (kW)	% Power	Input Power (kW)	EEFT (°C)	ELFT (°C)	CEFT (°C)	CLFT (°C)	GB COP
100	1934	100	320.7	11.99	7.00	30.00	34.72	6.029
75	1450	57	182.1	10.74	7.00	26.00	29.41	7.964
50	967.0	31	98.46	9.49	7.00	23.00	25.23	9.821
25	483.5	13	41.49	8.25	7.00	19.00	20.10	11.65

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- Compliant with ASHRAE 90.1-2004.
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- Compliant with ASHRAE 90.1-2013.
- Compliant with ASHRAE 90.1-2016.

Compliant with the requirements of the LEED Energy and Atmosphere Enhanced Refrigerant Management Credit (EAc4) Materials and construction per mechanical specifications - Form 60.84-EG1.

Auxiliary components included in total kW - Chiller controls.





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Compliant with the requirements of the LEED Energy and Atmosphere Enhanced Refrigerant Management Credit (EA_{c4}).
Materials and construction per mechanical specifications - Form 160.84-EG1.
Auxiliary components included in total kW - Chiller controls.

