



**Project:**  
**Unit Tag:**  
**Engineer:**  
**Customer:**

**Rating Program:** LTC v1\_156.idd  
**Software Version:** YW 16.03a  
**Date:** 08/02/16 12:35:57

Warnings / Errors	
WARNING	Last data line is partload operating limit with pre-rotation vanes (1).



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### SALES REPORT

Unit Specifications			
Model	YKPFPSK2-FBG	Gear Code	TZ
Rated Net Capacity (Tons)	1500	Specified Net Capacity (Tons)	1500
NPLV/IP (kW/Ton.R)	0.3161	Refrigerant Type/Charge (lb)	R134A/2954
Full Load (kW/Ton.R)	0.5544	A-Weighted SPL (dBA)	82
Input Power (kW)	831.5	Max Motor Load (kW)	856.0
Voltage / Hz (Input)	460 / 60.0	Oil Cooler	Refrig clr
		Condenser Gas Inlet Type	Diffuser
Job FLA (Amps)	1184	OptiSound Control	Y
		Isolation Valve	Y
LRA (Amps)	7014	Variable Orifice	VALVE:4
Min Circuit Ampacity	1481	Starter Type	VSD w/o Filter
Max Circuit Breaker Amps	2500	Starter Model	VSD110K-46

	Evaporator	Condenser
Fluid	Water*	Water*
Tube MTI No.	371*	260* / 260
Passes	2*	2*
Fouling Factor (hr-ft <sup>2</sup> -°F/Btu)	0.000100*	0.000250*
Entering Fluid Temp (°F)	53.97	85.00*
Leaving Fluid Temp (°F)	44.00*	94.23
Fluid Flow (gpm)	3600*	4500*
Fluid Pressure Drop (ft)	21.0	19.6

(\*) Designates User Specified Input

Certified in accordance with the AHRI Water-Cooled Water Chilling and Heat Pump Water-Heating Packages Using Vapor Compression Cycle Certification Program, which is based on AHRI Standard 550/590 (IP) and AHRI Standard 551/591 (SI). Certified units may be found in the AHRI Directory at [www.ahridirectory.org](http://www.ahridirectory.org).

Compliant with ASHRAE 90.1 - 2004.

Compliant with ASHRAE 90.1 - 2007.

Compliant with ASHRAE 90.1 - 2010.

Compliant with the requirements of the LEED Energy and Atmosphere Enhanced Refrigerant Management Credit (EAc4).

Materials and construction per mechanical specifications - Form 160.75-EG1.

Auxiliary components included in total KW - oil pump & heater, chiller controls.





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Partload Data (CEFT constant)										
% Load	Net Capacity (Tons)	% Power	Input Power (kW)	EEFT (°F)	ELFT (°F)	Evap Flow (gpm)	Evap PD (ft)	CEFT (°F)	CLFT (°F)	kW/Ton.R
100	1500	100	831.6	53.97	44.00	3600	21.0	85.00	94.23	0.5544
90	1350	85	709.9	53.97	44.00	3240	17.4	85.00	93.25	0.5258
80	1200	73	610.2	53.97	44.00	2880	14.1	85.00	92.30	0.5085
70	1050	63	524.3	53.97	44.00	2520	11.1	85.00	91.37	0.4993
60	900.0	54	451.1	53.97	44.00	2160	8.47	85.00	90.46	0.5012
50	750.0	45	378.1	53.97	44.00	1800	6.13	85.00	89.55	0.5042
40	600.0	38	319.6	53.97	44.00	1440	4.08	85.00	88.67	0.5326
30	450.0	30	252.3	53.97	44.00	1080	2.30	85.00	87.76	0.5606
20	300.0	23	189.5	51.80	44.00	920.1	1.67	85.00	86.86	0.6317
15	225.6	19	158.9	49.86	44.00	920.1	1.67	85.00	86.42	0.7046

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