



ST. TAMMANY PARISH

MICHAEL B. COOPER
PARISH PRESIDENT

August 15, 2024

Please find the following addendum to the below-mentioned BID.

Addendum No.: 2

Bid#: 24-30-2

Project Name: Koop Chiller Bldg. B

Bid Due Date: Tuesday, August 20, 2024

GENERAL INFORMATION:

1. Approved Equal – Carrier Air-Cooled Screw Chiller 30XV225S (Attached)

QUESTIONS & ANSWERS:

Question 1. I know there was mention of the fence needing to be removed and replaced. Is that going to be added into the project or the scope remains the same?

Answer 1. The fence will not be added to the scope of work for this project as it will already be taken down.

Question 2. When we were at the pre-bid meeting, someone from St. Tammany said that the fence around the unit needed to be removed and replaced. I do not see that anywhere in the bid documents. Can you please clarify if the entire fence around the unit needs to be changed out?

Answer 2. Please refer to Answer #1.

Question 3. So, in the existing cw piping there are old tee's in the line to what looks to be for either future equipment hook up or maybe old equipment that was demoed way back. Are we putting them back in line similar to how it is currently or can we do away with them? That would be a good bit off for material cost by excluding this.

Answer 3. The tees in the chill water lines will need to be placed back into the system. They are



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for when or if the chiller goes down and a portable unit needs to be hooked up into the buildings chill water lines for backup AC.

Question 4. I have one more very imp. question. So as I am looking at the required equipment in the spec and came across the marathon m410 (motor) information. I see the note that says to supply new pump similar to that m410. Problem is that m410 is just a motor for the pump. A “pump” is 3 parts put together. The suction diffuser, the volute and the motor (m410). I am needing to know either the part numbers on the volute and suction diffusers or the total discharge head pressure and GPM’S of this pump skid. If need be I could come back to the site and we rip off the insulation and hope to get a good tag off old volute and diffuser? Just need some guidance her to make sure we get the correct items plus it matters for what kind of pad will be needed to sit new pump skid on. All that’s there now is a block with a pipe that’s holding the motor. In the pic I’ve sent, I labeled the other 2 parts I need info on.

Answer 4. The pump we have is a centrifugal pump. It consists of the volute casing (the design for water flow) and the impeller. There is a suction but that is built into the casing. When you order this pump, it comes as one unit. We have a brand new one here on the shelf as a backup. Taco pump Model EC2508 / GPM 220 / Head Ft 67 / Motor HP 7.5 / RPM 880

ATTACHMENTS:

1. Carrier Air-Cooled Screw Chiller 30XV225S.pdf

End of Addendum # 2

Summary Performance Report For Untitled1

Project: St Tammany Koop Dr Chiller
 Prepared By:

08/05/2024
 03:19PM



AquaForce™ Air-Cooled Variable Speed Screw Chiller



Unit Information

Tag Name:..... **Untitled1**
 Model Number:..... **30XV225S**
 Quantity:..... **1**
 Manufacturing Source:..... **Charlotte, NC USA**
 ASHRAE 90.1:..... **2010, 2007**
 Refrigerant:..... **R-513A**
 Independent Refrigerant Circuits:..... **2**
 Shipping Weight:..... **12934** lb
 Operating Weight:..... **13217** lb
 Refrigerant Weight (Circuit A):..... **193** lb
 Refrigerant Weight (Circuit B):..... **154** lb
 Unit Length:..... **253** in
 Unit Width:..... **88** in
 Unit Height:..... **99** in
 Required Pad Length:..... **235** in

Accessories and Installed Options

Isolation Valve(s)
 Suction Line Insulation
 Control Transformer
 Flooded Evaporator, 2 pass, w/ Heater
 Variable Speed Condenser Fans
 Coil Trim Panels (Header side only)
 R-513A
 Low Ambient Head Pressure Control
 Standard Tier

Electrical Information

Unit Voltage:..... **460-3-60** V-Ph-Hz
 Connection Type:..... **Single Point**
 Minimum Voltage:..... **414** Volts
 Maximum Voltage:..... **506** Volts
 SCCR:..... **25** kA

Evaporator Information

Fluid Type:..... **Fresh Water**
 Fouling Factor:..... **0.000100** (hr-sqft-F)/BTU
 Leaving Temperature:..... **44.00** °F
 Entering Temperature:..... **54.00** °F
 Fluid Flow:..... **522.6** gpm
 Pressure Drop:..... **16.1** ft H2O

Amps	Electrical Circuit 1	Electrical Circuit 2
MCA	428.3	---
MOCP	600.0	---
Rec Fuse Size	500.0	---

Condenser Information

Altitude:..... **0.000** ft
 Number of Fans:..... **10**
 Total Condenser Fan Air Flow:..... **145,000** CFM
 Entering Air Temperature:..... **95.0** °F

Performance Information

Cooling Capacity:..... **218.5** Tons
 Total Compressor Power:..... **251.4** kW
 Total Fan Motor Power:..... **15.66** kW
 Total Unit Power (without pump):..... **271.4** kW
 Efficiency (without pump) (EER):..... **9.660** BTU/Wh
 IPLV:..IP:..... **18.61** BTU/Wh

Integrated Pump Information

No Pump Selected

Sound power measured in accordance with ANSI/AHRI Standard 370-2015.

Summary Performance Report For Untitled1

Project: St Tammany Koop Dr Chiller
Prepared By:

08/05/2024
03:19PM



Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Summary Performance Report For Untitled1

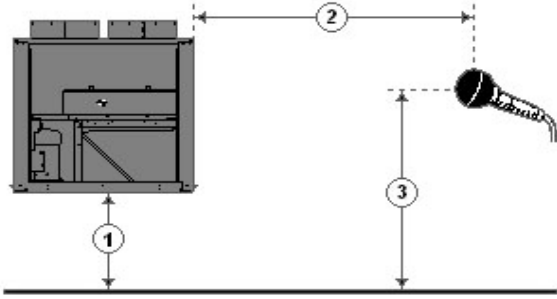
Project: St Tammany Koop Dr Chiller
Prepared By:

08/05/2024
03:19PM

Acoustic Information

Unit Parameters

Tag Name:	Untitled1	
Model Number:	30XV225S	
Condenser Type:	Air Cooled	
Compressor Type:	VFD Screw	
Chiller Nameplate Voltage:	460-3-60	V-Ph-Hz
Quantity:	1	
Manufacturing Source:	Charlotte, NC USA	
Refrigerant:	R-513A	
Shipping Weight:	12934	lb
Operating Weight:	13217	lb
Refrigerant Weight (Circuit A):	193	lb
Refrigerant Weight (Circuit B):	154	lb
Unit Length:	253	in
Unit Width:	88	in
Unit Height:	99	in



- 1 - Chiller Height Above Ground
- 2 - Horizontal Distance From Chiller to Receiver
- 3 - Receiver Height Above Ground
(See Note 3)

Accessories and Installed Options

Isolation Valve(s)
Suction Line Insulation
Control Transformer
Flooded Evaporator, 2 pass, w/ Heater

Variable Speed Condenser Fans
Coil Trim Panels (Header side only)
R-513A

Acoustic Information

Table 1. A-Weighted Sound Power Levels (dB re 1 picowatt). See note #1.

Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k	8k	Overall
100% Load	64	78	82	93	95	96	90	79	100
75% Load	62	75	80	90	89	87	79	73	94
50% Load	59	70	79	84	85	80	71	70	89
25% Load	55	64	74	79	77	72	65	66	83

Table 2. A-Weighted Sound Pressure Levels (dB re 20 micropascals) calculated based upon user defined input for dimensions 1, 2 and 3 as shown in above diagram. See note #2 and #3.

Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k	8k	Overall
100% Load	35	49	53	64	66	66	61	50	71
75% Load	33	46	51	60	60	58	50	44	65
50% Load	30	41	50	55	56	51	42	41	60
25% Load	26	35	45	50	48	43	36	37	53

- Notes: (1) Measurements performed in accordance with AHRI Standard 370-2015 for air cooled Chillers.
 (2) Chiller is assumed to be a point source on a reflecting plane.
 (3) Without user defined input, the default dimensions used to construct Table 2 are as follows:
 1 - Chiller Height Above Ground = 0.0 ft
 2 - Horizontal Distance From Chiller to Receiver = 30.0 ft
 3 - Receiver Height Above Ground = 3.0 ft