Addendum ADD-#04

Project Name:	Energy Recovery and Dehumidification
Polar Project No.	2453
Issued Date:	January 16, 2026
Issued By:	Bryn Cubberley
Engineer of Record:	Ian Welle

This addendum is issued prior to closing of bids to provide revisions, additions, clarifications, and/or information to the work. This addendum shall be read, interpreted, and coordinated with all other parts of the Contract Documents. The cost of all work contained herein is to be included in the Contract Sum. Addendum must be acknowledged as part of the Bid Form.

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1 Questions

1.1 Question: Existing Distribution Brand is not shown, can we clarify the existing distribution type (Square D, Siemens, Eaton or other), photographs of nameplate information would be helpful

Response: Existing distribution is:

- Cutler-Hammer Pow-R-Line C PRL3000 (120/208V board) - 65 kAIC
- Cutler-Hammer Pow-R-Line CMP (600V board) – 14 kAIC
- Moeller Modan 3000 (MCC) – 50 kAIC
- Cutler-Hammer panels (other distribution panels)

1.2 Question: Can we confirm the interrupting capacity (KAIC) of the existing distribution, cost will vary based on requirement

Response: See above for ratings.

1.3 Question: Motor Starters: The spec calls for Motor Starters where required and to be furnished by Electrical, that said it is not explicitly called out what will be required (Overload protection, Hand-Off-Auto capability, Control Transformers etc), we are missing details for the HP rating and MCA of the Compressors. On a previous energy upgrade it was determined motor starters with these features were required for all the pump motors, we are requesting clarification on details for the motor starters and who should be supplying (We assume Electrical) as these are a lead item and will affect project cost and should be taken into account as a scope inclusion in tender, more detail on the mechanical schedule would be helpful

Response: All starters shall include overload protection, local H-O-A, control transformer of sufficient VA to handle starter coil, integral pilot light, and one set of normally open and one set of normally closed field installed auxiliary contacts. All starters are supplied and installed by electrical. Please find attached cutsheet for compressors C4 and C5.

Technical Data

Technical Data	
Displacement (1450rpm 50Hz)	5353.7 CFH
Displacement (1750rpm 60Hz)	6462.6 CFH
No. of cylinder x bore x stroke	6 x 3.23 inch x 2.17 inch
Weight	542 lb
Max. pressure (LP/HP)	275 / 464 psi
Connection suction line	54 mm - 2 1/8"
Connection discharge line	42 mm - 1 5/8"
Oil type R134a/R407C/R404A/R507A/R407A/R407F	BSE32(Standard) | R134a tc>155°F: BSE55 (Option)
Oil type R22 (R12/R502)	B5.2(Option)
Oil type R1234yf	BSE32 (Standard) | R1234yf tc>70°C : BSE55 (Option)
Oil type R1234ze	BSE55 (Standard) | to>15°C: BSE85K (Option) | tc>70°C: BSE85K (Option)
Oil type R454C/R455A	BSE32 (Standard)
Motor data	
Motor version	1
Motor voltage (more on request)	208-230V PW-3-60Hz UL
Max. operating current	212.8 A
Starting current (Rotor locked)	570.0 A Y / 950.0 A YY
Max. power input	61,6 kW
Extent of delivery (standard)	
Motor protection	SE-B3(Standard), SE-B2(Option)
Enclosure class	IP54 (Standard), IP66 (Option)
Vibration dampers	Standard
Oil charge	167.2 fl oz
Discharge shut-off valve	Standard
Suction shut-off valve	Standard
Available options	
Discharge gas temperature sensor	Option
Start unloading	Option
Capacity control	100-66-33% (Option)
Capacity Control - infinite	100-10% (Option)
Additional fan	Option
Oil service valve	Option
Oil heater	140 W (Option)
Oil pressure monitoring	MP54 (Option), Delta-PII
Sound measurement	
Sound power level (+5°C / 50°C)	86,4 dB(A) @60Hz
Sound power level (-10°C / 45°C)	85,3 dB(A) @60Hz
Sound power level (-35°C / 40°C)	93 dB(A) @60Hz
Sound pressure level @ 1m (+5°C / 50°C)	78,4 dB(A) @60Hz
Sound pressure level @ 1m (-10°C / 45°C)	77,3 dB(A) @60Hz
Sound pressure level @ 1m (-35°C / 40°C)	85 dB(A) @60Hz
Sound power level (+5°C / 50°C) R134a	84,4 dB(A) @60Hz
Sound power level (-10°C / 45°C) R134a	83,3 dB(A) @60Hz
Sound pressure level @ 1m (+5°C / 50°C) R134a	76,4 dB(A) @60Hz
Sound pressure level @ 1m (-10°C / 45°C) R134a	75,3 dB(A) @60Hz