



REQUEST FOR INFORMATION – MECHANICAL 001

NAME OF CONTRACT: Martinrea Building Expansion - SME
CONTRACTOR: RAM Contracting Inc. **PROJECT NO.:** 2360-6770-2
CONTRACTOR REP: Vince Petrozza **REPORT NO.:** RFI-M001
OWNER: Martinrea **REPORT DATE:** December 9, 2024
ATTACHMENTS: Consult Mechanical 24-252-002 **REFERENCE No(s).:**
RE: P-1 Overload Issue

DISTRIBUTION:

BLDG OWNER

CONTRACTOR X RAM Contracting Inc. c/o Vince Petrozza, John Martini, Adam Materniki

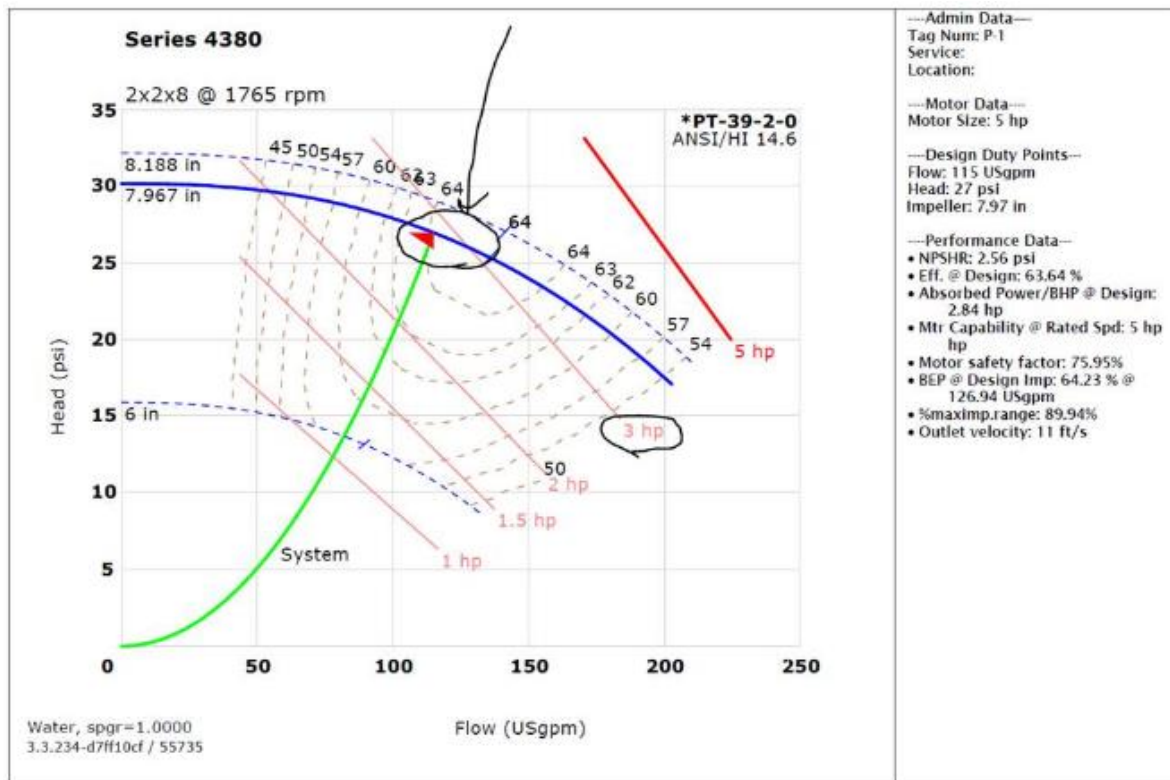
CONSULTANTS

OTHER

Request 1:

Partial RFI #24-252-002 from Consult Mechanical, received November 29, 2024:

Manufacturer recommend 5 HP motor instead of 3 HP mentioned in the approved shops. So that the entire range of the performance curve (refer attached) would be utilized without any motor overload or issue to the pump. Please advise at the earliest to mitigate delays.



Requested by: RAM Contracting Inc. c/o Vincenzo Petrozza

Response 1:	
I agree with the manufacturer's assessment that the 5hp pump is the more suitable option.	
Responded by:	Crozier c/o Russ Strathdee

J:\2300\2360 - RAM Contracting\6770 - Martinrea Building Expansion\Contract Admin\RFI\Mechanical\RFI-M001 - (CM RFI 002) - P-1 Overload Issue\Separated\6770_RFI-M001 - 2024.12.09.docx



54 Audia Court, Unit 2
Concord, ON L4K 3N5
(905)-738-1400

Request For Information 24-252-002

Nov 29, 2024

Project Name

MARTIN REA BUILDING EXPANSION

Project Address

99 Golf Course Line, Ridgetown, ON N0P 2C0

To

Name

ARUNA

Company

RAM DEVELOPMENTS

Email

estimating@ramcon.ca

Address

From

Name

INZAMAN KHAN

Company

Consult Mechanical Inc.

Email

inzaman@consultmechanical.com

Address

54 Audia Court, Unit 2 Concord, ON L4K 3N5

Title

P-1 overload issue

SCHEDULE IMPACT

Probable

COST IMPACT

No

RETURN BY

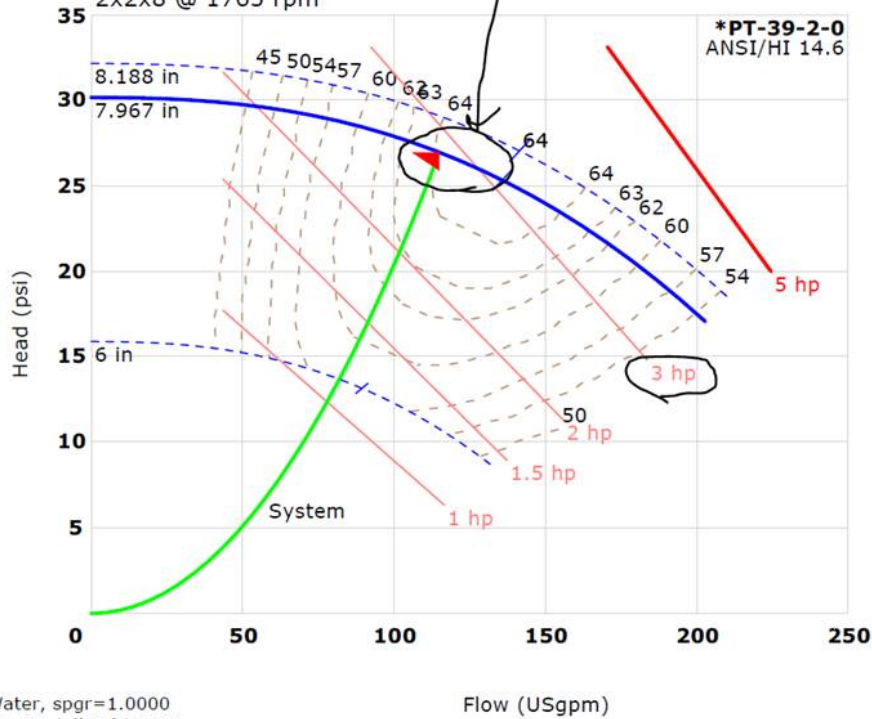
Nov 29, 2024

Information Requested

Manufacturer recommend 5 HP motor instead of 3 HP mentioned in the approved shops. So that the entire range of the performance curve (refer attached) would be utilized without any motor overload or issue to the pump. Please advise at the earliest to mitigate delays.

Series 4380

2x2x8 @ 1765 rpm



Water, spgr=1.0000
3.3.234-d7ff10cf / 55735

---Admin Data---
Tag Num: P-1
Service:
Location:

---Motor Data---
Motor Size: 5 hp

---Design Duty Points---
Flow: 115 USgpm
Head: 27 psi
Impeller: 7.97 in

---Performance Data---

- NPSHR: 2.56 psi
- Eff. @ Design: 63.64 %
- Absorbed Power/BHP @ Design: 2.84 hp
- Mtr Capability @ Rated Spd: 5 hp
- Motor safety factor: 75.95%
- BEP @ Design Imp: 64.23 % @ 126.94 USgpm
- %maximp.range: 89.94%
- Outlet velocity: 11 ft/s