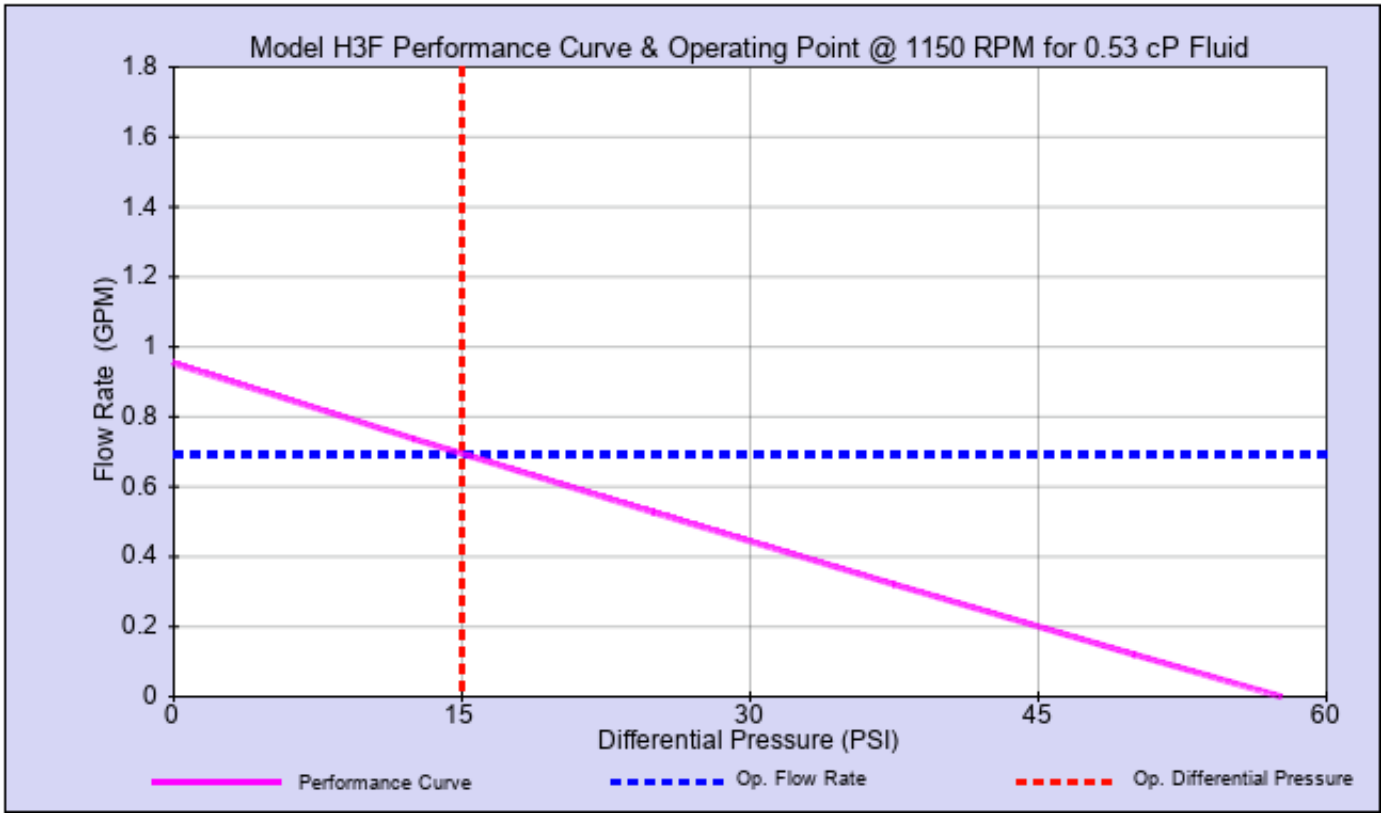
# Performance Curve & Application Summary

**Customer:** DXP- Cortech
**Project:** 18-J-276/276S
**Date:** Feb 3, 2022
**App. ID#:** 8069




**CONDITIONS of SERVICE:**

| | | | |
|---|---|---|---|
| FLUID: | Sour Water | DENSITY: | 0.99 (SG) |
| FLOW RATE: | 0.69 GPM | SUCTION PRESSURE: | 2.4 PSI (g) |
| DIFFERENTIAL PRESSURE: | **15.00 PSI** | DISCHARGE PRESSURE: | 17.4 PSI (g) |
| VISCOSITY: | 0.53 cP | VAPOR PRESSURE: | 15.7 PSI |
| TEMPERATURE: | 124 °F | NPSHA: | 3.25 ft H2O |

(a) **PUMP SELECTION & OPERATING DATA:**

| | | | |
|---|---|---|---|
| | | MAX. DIFF. PRESSURE: | 57.64 PSI * |
| MODEL & CONFIGURATION: | **H3F Mag-Drive** | REQUIRED SPEED: | 915 RPM |
| SELECTED CLEARANCE: | Standard | RUNNING TORQUE: | 2.98 in-lb |
| COUPLING SIZE & RATING: | MCU (75 in-lb) | START-UP TORQUE: | 4.05 in-lb |
| NPSHR: | 2 ft H2O (a) | BRAKE POWER: | 0.04 Hp |
| CONTROL METHOD: | **Motor @ Rated Speed** | SUPPLY FREQUENCY: | 60 Hz |
| OPERATING SPEED: | **1150 RPM** | MOTOR RATED SPEED: | 1150 RPM |
| RUNNING TORQUE: | 2.98 in-lb | MOTOR REQUIRED POWER: | **0.06 Hp **** |
| ADJUSTED FLOW: | **0.69 GPM** | REDUCER RATIO: | --- |
| C. CAN MATERIAL | Alloy-C | C. CAN POWER LOSS: | 0.008 Hp |

* Maximum Differential Pressure confirmed based on material selections.

** Motor Required Power includes Containment Can Power Loss at operating conditions.

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