

DESIGN ENVELOPE 4300 VIL 0815-100.0 SUBMITTAL

Armstrong seal reference number

☐ Others: __

□ c1 (a)

File No: 100.4174

Date: DECEMBER 17, 2015

Supersedes: 100.4140

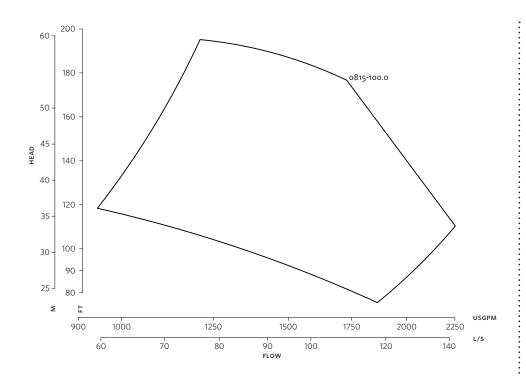
Date: AUGUST 14, 2015

| Job: | | Repre | sentative: | |
|---|------------------|--------|---|---|
| | | Order | No: | Date: |
| Engineer: | | Subm | itted by: | Date: |
| Contractor: Ap | | | oved by: | Date: |
| PUMP DESIGN DATA | | | : CONTROLS DATA | |
| No. of pumps: | Tao: | | : Sensorless Control: | Standard |
| Capacity:USgpm (L/s) | Head: | ft (m) | Minimum system pressure | ft (m)* |
| Liquid: °F (°C) | | | : | ☐ L1 (default) ☐ L2 ☐ L3 ☐ L4 |
| • | Discharge: 8" (2 | | : Protocol (standard): | □ Modbus RTU □ BACNet™ MS/TP □ Johnson® N2 □ Siemens® FLN |
| OSHPD Seismic Certification OSP-0422-10 | | | Protocol (optional): | ☐ LonWorks® |
| UL STD 778 & CSA STD C22.2 NO.108 certified MOTOR DESIGN DATA HP: RPM: Frame size: Enclosure: | | | | ☐ Indoor - UL TYPE 12 ☐ Outdoor - UL TYPE 4X with Weather Shield ☐ Outdoor - UL TYPE 4X less Weather Shield |
| Volts: Hertz: 60 F | | c | Fused disconnect switch: | |
| Efficiency: NEMA premium 12.12 | | | EMI/RFI control: Integrated filter designed to meet EN61800-3 | |
| MAXIMUM PUMP OPERATIN | NG CONDITION | IS | | Dual Dc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements** |
| ANSI 125 175 psig at 150°F (12 bars at 65°C) | | | Cooling: | Fan-cooled through back channel |
| 100 psig at 300°F (7 bars at 150°C) | | | Ambient temperature: | -10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft) |
| ANSI 250 375 psig at 150°F (26 bars at 65°C) | | | Analog ı/o: | Two current or voltage inputs, one current output |
| 260 psig at 300°F (21 bars at 150°C) | | | Digital ı/o: | Six programmable inputs (two can be configured as outputs) |
| • Tolerance of ±0.125" (±3 mm) should be used | | | Pulse inputs: | Two programmable |
| For exact installation, data please write factory for certified dimensions | | | Relay outputs: | Two programmable |
| | | | Communication port: | 1-RS485, 1-USB |
| MECHANICAL SEAL DESIGN | DATA | | | |
| See file no. 43.50 for standard mechanical seal details as indicated below | | | **The IVS 102 drive is a low harmonic d guaranty performance to any system | ure is not known: Default to 40% of design head rive via built-in pc line reactors. This does not n wide harmonic specification or the costs to meet ied with the system electrical details, Armstrong |

will run a computer simulation of the system wide harmonics. If system harmonic levels are exceeded Armstrong can also recommend additional harmonic mitigation

and the costs for such mitigation.

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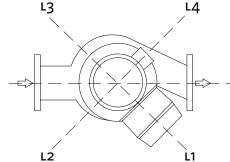
Performance curves are for reference only.

 $Confirm\ current\ performance\ data\ with\ Armstrong\ ACE\ Online\ selection\ software.$

DIMENSION DATA

| | INDOOR | OUTDOOR | |
|-------------|------------------|-------------------|--|
| | (UL TYPE 12/ODP) | (UL TYPE 4X/TEFC) | |
| Frame size: | 404 | 405 | |
| Size: | 8×8×15 | 8×8×15 | |
| HP: | 100 | 100 | |
| RPM: | 1800 | 1800 | |
| AB: | 52.99(1346) | 58.42(1484) | |
| в: | 13.80(351) | 13.80(351) | |
| c: | 11.50(292) | 11.50(292) | |
| D: | 22.88(581) | 22.88(581) | |
| E: | 22.11(562) | 24.83(631) | |
| P: | 17.63(448) | 21.41(544) | |
| F: | 47.99(1219) | 50.71(1288) | |
| s: | 25.88(657) | 25.88(657) | |
| SD: | 48.75(1238) | 48.75(1238) | |
| T: | 12.34(314) | 12.34(314) | |
| XY: | 48.12(1222) | 51.68(1313) | |
| Weight: | 1966(891.8) | 2290(1038.7) | |

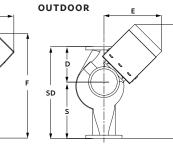
Dimensions - inch (mm) Weight - lbs (kg)

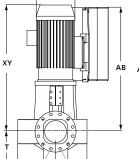


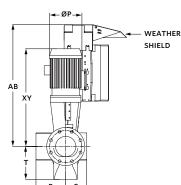


INDOOR

SD







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