

DESIGN ENVELOPE 4300 VIL | 4020-00.75 | SUBMITTAL

File No: 100.4016UK **Date:** AUGUST 14, 2015 Supersedes: 100.4016UK Date:SEPTEMBER 11, 2013

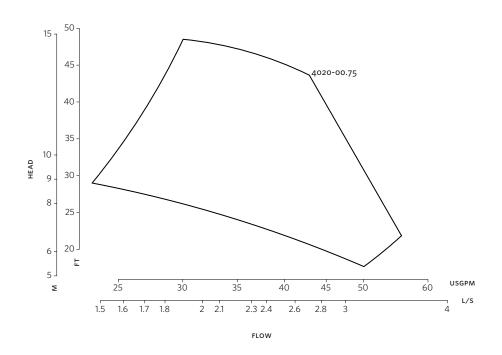
| Job: | | | Repres | _ Representative: | |
|---|--|------------|-----------------------|---|--|
| | | | Order | No: | Date: |
| Engineer: | | | Submi | tted by: | Date: |
| Contractor: | | | Appro | ved by: | Date: |
| PUMP DESIGN DA | TA | | | CONTROLS DATA | |
| No. of pumps: | Tag: | | : Sensorless Control: | Standard | |
| Liquid: | | Viscosity: | | Minimum system pressure to be maintained: | m (ft)* |
| Temperature: | | | - | Orientation: | □ L1 (default) □ L2 □ L3 □ L4 |
| Suction: 40mm (1.5") Discharge: 40mm (| | | omm (1.5) | : | ☐ Modbus RTU ☐ BACNet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN |
| DE PUMPING UNIT CAPACITY | | | | Protocol (optional): | |
| OPERATING POINT | LPS | m³/h | METERS | | ☐ Indoor - 1P55 ☐ Outdoor - 1P66 |
| Full capability at maximum efficiency | 2.8 | 10.1 | 14.1 | : Fused disconnect switch: | |
| Design point Average part load base | d | | | : | Integrated filter designed to meet |
| on default load profile | | | | Harmonic suppression: | EN61800-3 Dual DC-link reactors (Equivalent: 5% AC line reactor) Supporting IEEE 519-1992 requirements** |
| MOTOR DESIGN DATA | | | | : Cooling: | Fan-cooled through back channel |
| Volts: | Speed: 4-POLE Enclosure: TIHertz: 50 Hz Phase: 3 | | | | -10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft) |
| Efficiency: □ IE2 | Frame size: | | | Analog ı/o: | Two current or voltage inputs, one current output |
| PN 16 16 bars at 149°C (232 psig at 300°F) 7 bars at 150°C (100 psig at 300°F) | | | | Digital ı/o: | Six programmable inputs (two can be configured as outputs) |
| | | | | Pulse inputs: | Two programmable |
| | | | | Relay outputs: | Two programmable |
| PN 25 25 bars at 149°C (375 p 21 bars at 150°C (260 p | | | | Communication port: | 1-RS485, 1-USB |
| MECHANICAL SEAL DESIGN DATA See file no. 43.50 for standard mechanical seal details as | | | | **The IVS 102 drive is a low harmonic of guarantee performance to any system meet a system wide specification. If Armstrong will run a computer simu | ure is not known: Default to 40% of design head drive via built-in DC line reactors. This does not em wide harmonic specification or the costs to supplied with the system electrical details, ulation of the system wide harmonics. If system |
| indicated below | | | | : harmonic levels are exceeded Arms | trong can also recommend additional harmonic |

Armstrong seal reference number \square Others: _

□ c1 (a)

mitigation and the costs for such mitigation.

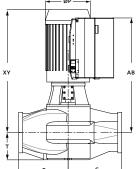
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Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.

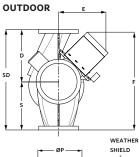
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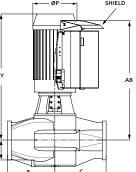


DIMENSION DATA

| INDOOR (IP55) | OUTDOOR (IP66) |
|------------------|--|
| 80 | 80 |
| 4020-00.75 | 4020-00.75 |
| 0.75 | 0.75 |
| 1800 | 1800 |
| 710(28.04) | 710(28.04) |
| 128(05.03) | 128(05.03) |
| 121(04.85) | 121(04.85) |
| 203(08.08) | 203(08.08) |
| 281(11.15) | 281(11.15) |
| 281(11.15) | |
| 156(06.14) | 156(06.14) |
| 203(08.08) | 203(08.08) |
| 406(16.07) | 406(16.07) |
| 117(04.60) | 117(04.60) |
| 505(19.97) | 505(19.97) |
| 97.98(216) | 97.98(216) |
| | 80 4020-00.75 0.75 1800 710(28.04) 128(05.03) 121(04.85) 203(08.08) 281(11.15) 156(06.14) 203(08.08) 406(16.07) 117(04.60) 505(19.97) |

- Dimensions mm (inch)
- Weight kg (lbs)
- Tolerance of ±3 mm (±0.125") should be used
- For exact installation, data please write factory for certified dimensions





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