

DESIGN ENVELOPE 6800 G | COMMERCIAL WATER BOOSTER | 1320302 - 1220302s | SUBMITTAL

File No: 106.01011EC
Date: APRIL 24, 2018
Supersedes: NEW
Date: NEW

Job: _____ Representative: _____
 _____ Order by: _____ Date: _____
 Engineer: _____ Submitted by: _____ Date: _____
 Contractor: _____ Approved by: _____ Date: _____

PUMP DESIGN DATA

No. of pumps: 3 Tag: _____ Series: 4700
 Total package capacity: _____ L/s (m³/h)
 Pump capacity: _____ L/s (m³/h)
 Head: _____ Bar (m) Liquid: _____
 Construction: Stainless steel 304

CONNECTION ORIENTATION

Suction Right* Left*
 Discharge Right* Left*

* When facing control panel

DRIVE DATA

Enclosure: IP66
 EMI/RFI control: Integrated filter designed to meet EN61800-3
 Harmonic suppression: Integrated DC link reactors
 Cooling: Fan-cooled through back channel
 Ambient temperature: -10°C to +45°C up to 1000 meters

OPTIONAL EQUIPMENT

Duty standby discharge transducer: Yes No
 BMS communication: BACnet MS/TP BACnet IP
 LonWorks
 Float switch: Yes No
 AV kit: No Potable water untied
 Potable water tied
 Overhead break tank: Yes No

SYSTEM CONSTRUCTION DATA

System description: Triplex
 Model: _____
 Header connections: Flanged
 Piping material: Stainless steel 304
 Valve type: Ball valve/butterfly valve and Check valve
 Setup: All duty Duty standby

MOTOR DESIGN DATA

kW: 0.75 RPM: 3600 Frame size: 90S Enclosure: TEFC
 Power supply: 400/3/50 V Efficiency: IE5

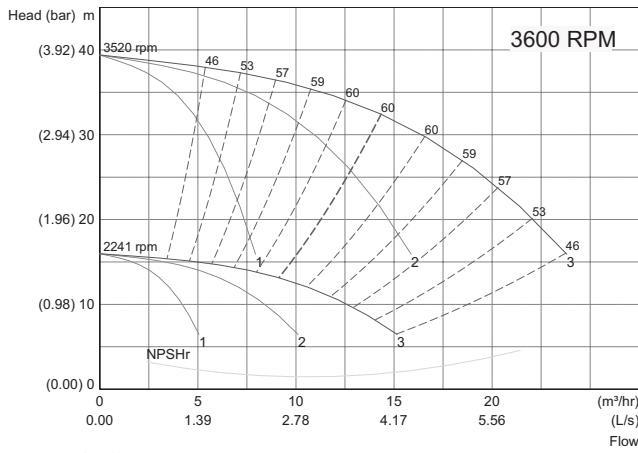
CONTROL PANEL SPECIFICATIONS

Enclosure rating: IP55
 HMI: Colour touch screen
 Low suction shutdown
 Main disconnect with interlock
 Fused motor protection
 Power on indication
 Motor run indication
 No-flow shutdown and automatic alternation
 Soft fill mode
 Pressure setback mode
 Field adjustable set points, alarms
 Flash memory storage
 Suction transducer included
 Modbus RTU serial communication

DESIGN ENVELOPE CAPABILITY DATA

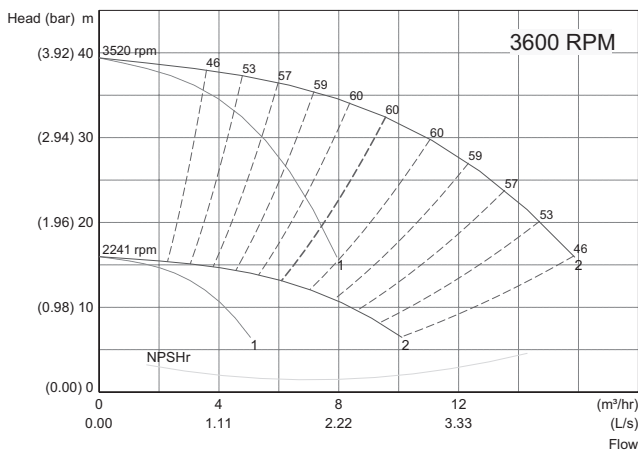
| ENVELOPE CURVE NUMBER | PUMP | PRESSURE RATING in bar | MAX WORKING PRESSURE in bar | EACH MOTOR in kW | SUCTION E | DISCHARGE F | FLC in Amps |
|----------------------------------|-----------------------------------|------------------------|-----------------------------|------------------|-----------|-------------|-------------|
| <input type="checkbox"/> 1320302 | <input type="checkbox"/> 1220302S | VMS-04:03 | PN16 | 3.72 | DN 65 | DN 65 | 1.6 |

I320302



Water, spgr= 1.0000

I220302S



Water, spgr= 1.0000

DIMENSION DATA

I320302 I220302S

| | |
|----------------|--------------|
| A: | 860 (33.86) |
| B: | 1560 (61.42) |
| C: | 684 (26.94) |
| D: | 600 (23.62) |
| G: | 140 (5.51) |
| H: | 339 (13.35) |
| J: | 368 (14.49) |
| K: | 707 (27.83) |
| L: | 892 (35.12) |
| M: | 924 (36.38) |
| N: | 363 (14.29) |
| P: | 400 (15.75) |
| R: | 390 (15.35) |
| T: | 20 (0.79) |
| WEIGHT: | 250.0 (551) |

Dimensions - mm (inches)

Weight - kg (lbs)

Note: Tolerances are 12 mm ($\pm 1/2"$) unless otherwise specified.

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