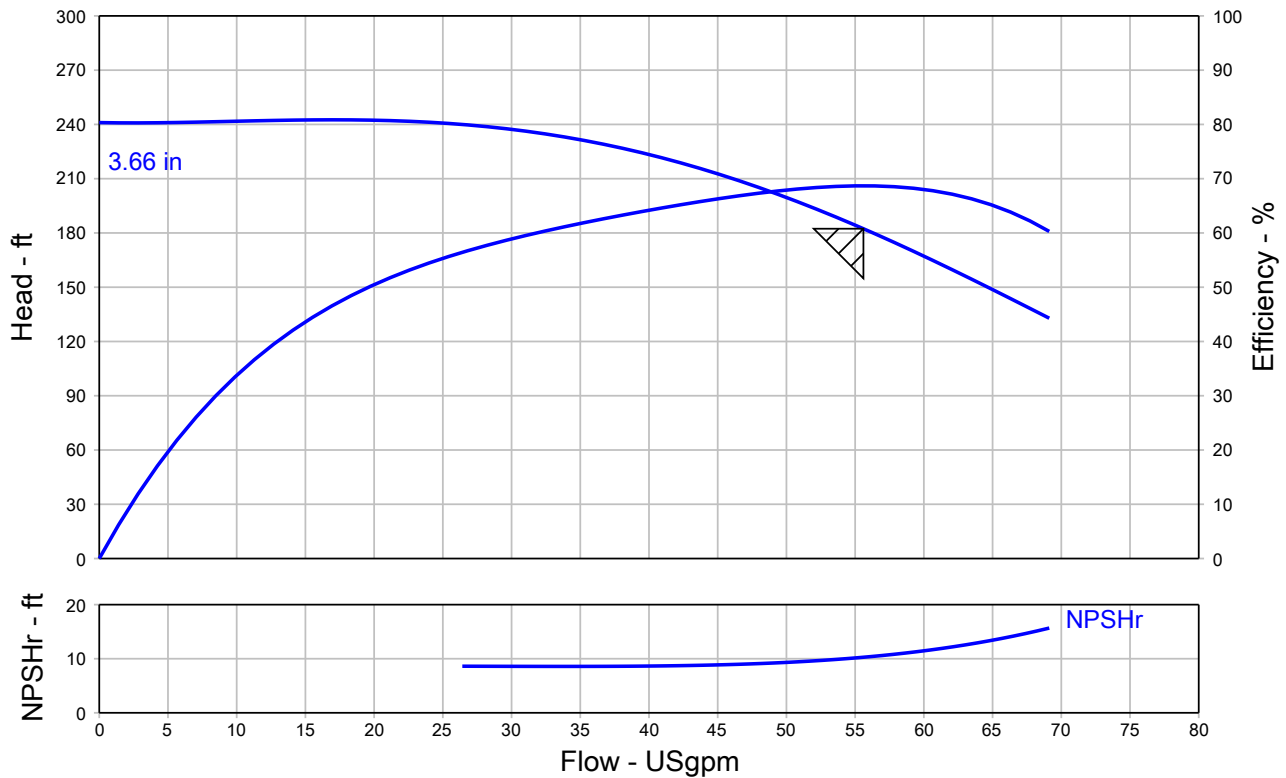


## Pump Performance Datasheet

|                      |  |
|----------------------|--|
| Customer :           | Quote Number / ID : 1471203                          |
| Customer ref. / PO : | Model : CR 10-5-1ph                                  |
| Tag Number : 001     | Stages : 5   |
| Service :            | Based on curve number : CR 10-5_1Phase Rev June_2020 |
| Quantity : 1         | Basic model number : -                               |
|                      | Date last saved : 11/28/2022 5:28 PM                 |

| Operating Conditions                            |                     | Liquid                        |                    |
|---|---------------------|-------------------------------|--------------------|
| Flow, rated                                     | : 55.60 USgpm       | Liquid type                   | : Cold Water       |
| Differential head / pressure, rated (requested) | : 182.3 ft          | Additional liquid description | :                  |
| Differential head / pressure, rated (actual)    | : 182.3 ft          | Temperature, max              | : 68.00 deg F      |
| Suction pressure, rated / max                   | : 0.00 / 0.00 psi.g | Fluid density, rated / max    | : 1.000 / 1.000 SG |
| NPSH available, rated                           | : Ample             | Viscosity, rated              | : 1.00 cP          |
| Site Supply Frequency                           | : 60 Hz             | Vapor pressure, rated         | : 0.34 psi.a       |

| Performance                            |                             | Material                                      |                               |
|--|-----------------------------|---|-------------------------------|
| Speed, rated                           | : 3468 rpm                  | Material selected                             | : Standard - Cast Iron / 304  |
| Efficiency                             | : 68.69 %                   |   | Stainless Steel               |
| NPSH required / margin required        | : 10.27 / 0.00 ft           | <b>Pressure Data</b>                          |                               |
| nq (imp. eye flow) / S (imp. eye flow) | : 34 / 87 Metric units      | Maximum working pressure                      | : 105.0 psi.g                 |
| MCSF                                   | : 5.56 USgpm                | Maximum allowable working pressure            | : N/A                         |
| Head, maximum, rated diameter          | : 242.5 ft                  | Maximum allowable suction pressure            | : N/A                         |
| Head rise to shutoff                   | : 32.18 %                   | Hydrostatic test pressure                     | : N/A                         |
| Flow, best eff. point                  | : 55.60 USgpm               | <b>Driver &amp; Power Data (@Max density)</b> |                               |
| Flow ratio, rated / BEP                | : 100.00 %                  | Motor sizing specification                    | : Max power (non-overloading) |
| Diameter ratio (rated / max)           | : 100.00 %                  | Margin over specification                     | : 0.00 %                      |
| Head ratio (rated dia / max dia)       | : 100.00 %                  | Service factor                                | : 1.15 (used)                 |
| Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]       | : 1.00 / 1.00 / 1.00 / 1.00 | Power, hydraulic                              | : 2.56 hp                     |
| Selection status                       | : Acceptable                | Rated power (based on duty point)             | : 3.73 hp                     |
| <b>Energy Indexes</b>                  |                             | Max power (non-overloading)                   | : 3.85 hp                     |
| PEI (CL)                               | : 0.87                      | Motor rating                                  | : 5.00 hp / 3.73 kW (Fixed)   |
| ER (CL)                                | : 13                        | KVA Code                                      | : -                           |
|  |                             | Rated Current new                             | : 31.7 - 19.5 A               |



## Grundfos Series CR - Multi-stage, Vertical In-Line Pump

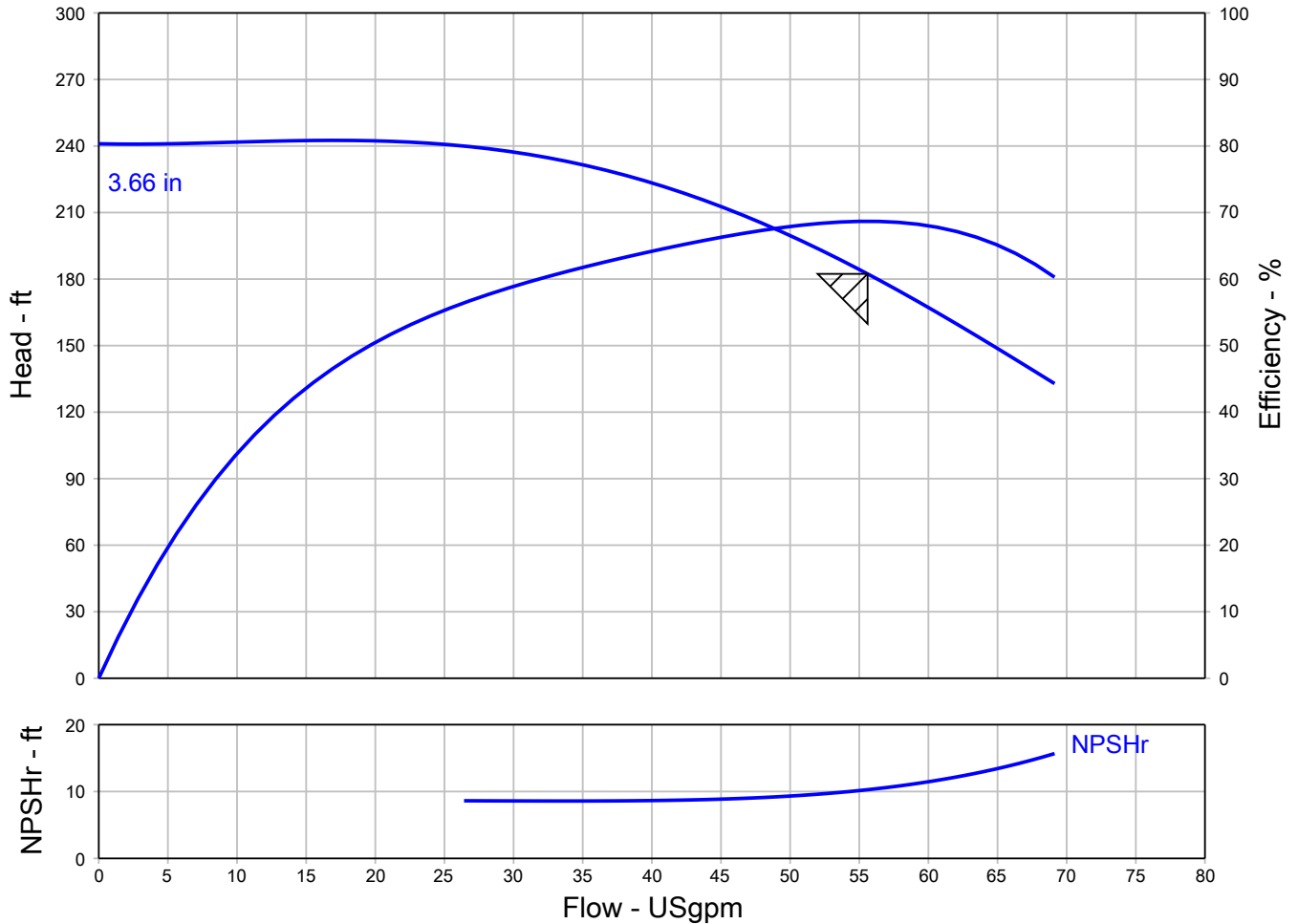
|                           |              |            |
|---------------------------|--------------|------------|
| QUOTE NUMBER / ID 1471203 | UNIT TAG 001 | QUANTITY 1 |
| REPRESENTATIVE            | SERVICE      |            |
| ENGINEER                  | SUBMITTED BY | DATE       |
| CONTRACTOR                | APPROVED BY  | DATE       |
|                           | ORDER #      | DATE       |



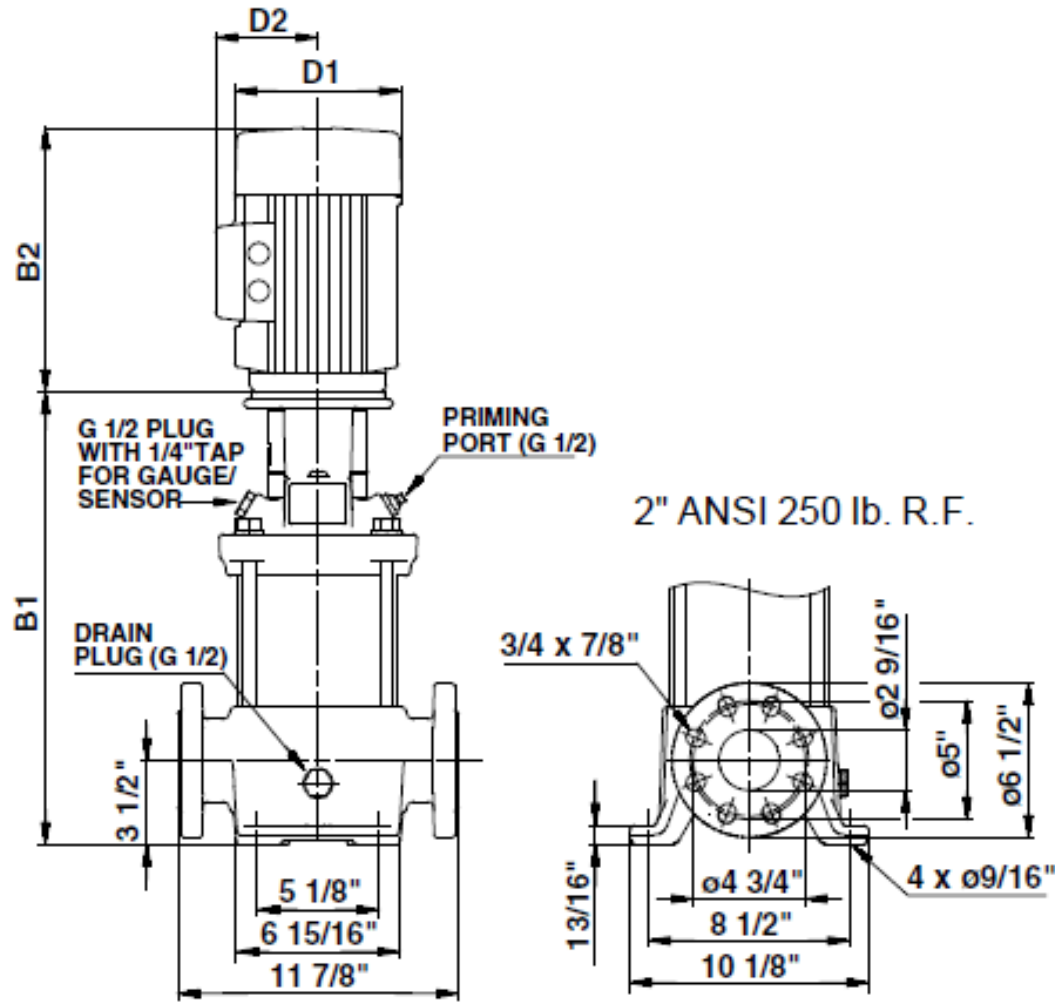
**CR 10-5-1ph**  
**3468 rpm**

Part Number 99917160

| Conditions of Service |             | Pump Data       |              | Motor Data |           |
|-----------------------|-------------|-----------------|--------------|------------|-----------|
| Flow                  | 55.60 USgpm | Stages          | 5            | Motor HP   | 5 HP      |
| Head                  | 182.3 ft    | Stages Reduced  | 0            | BHP        | 3.73 HP   |
| Liquid                | Cold Water  | Pipe Connection | ANSI Flanged | Enclosure  | TEFC      |
| Temperature           | 68.00 deg F | Efficiency      | 68.69 %      | Voltage    | 208-230 V |
| NPSHr                 | 10.27 ft    | Suction         | 2 in.        | Phase      | 1 Phase   |
| Viscosity             | 1.00 cP     | Discharge       | 2 in.        | Cycle      | 60        |
| Specific Gravity      | 1.000 SG    | Shaft Seal Type | HQQE (EPDM)  |            |           |
|                       |             | NSF 61 Approval | Yes          |            |           |
|                       |             | PEI (CL)        | 0.87         |            |           |
|                       |             | ER (CL)         | 13           |            |           |



**Grundfos Series CR - Multi-stage, Vertical In-Line Pump**



TM03 1461 2205

NOT FOR CONSTRUCTION, unless certified and referenced on order

| Units  | B1    | B1 + B2 | D1    | D2   | Weight    |
|--------|-------|---------|-------|------|-----------|
| inches | 19.57 | 38.88   | 10.96 | 8.41 | 207.3 lbs |