

|                       |                        |                 |
|-----------------------|------------------------|-----------------|
| PROJECT: _____        | UNIT TAG: _____        | QUANTITY: _____ |
| REPRESENTATIVE: _____ | TYPE OF SERVICE: _____ | DATE: _____     |
| ENGINEER: _____       | SUBMITTED BY: _____    | DATE: _____     |
| CONTRACTOR: _____     | APPROVED BY: _____     | DATE: _____     |
|                       | ORDER NO.: _____       | DATE: _____     |

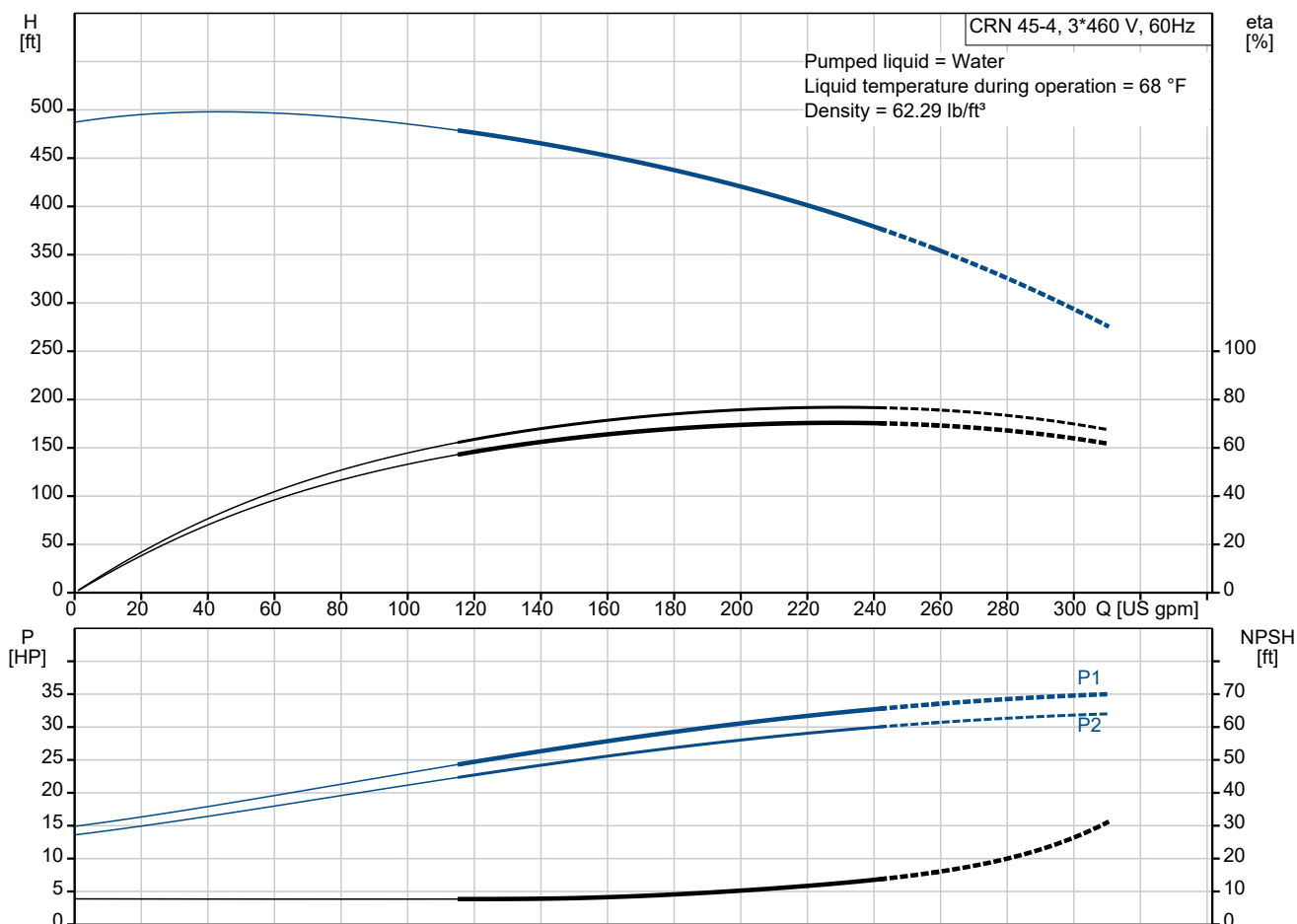


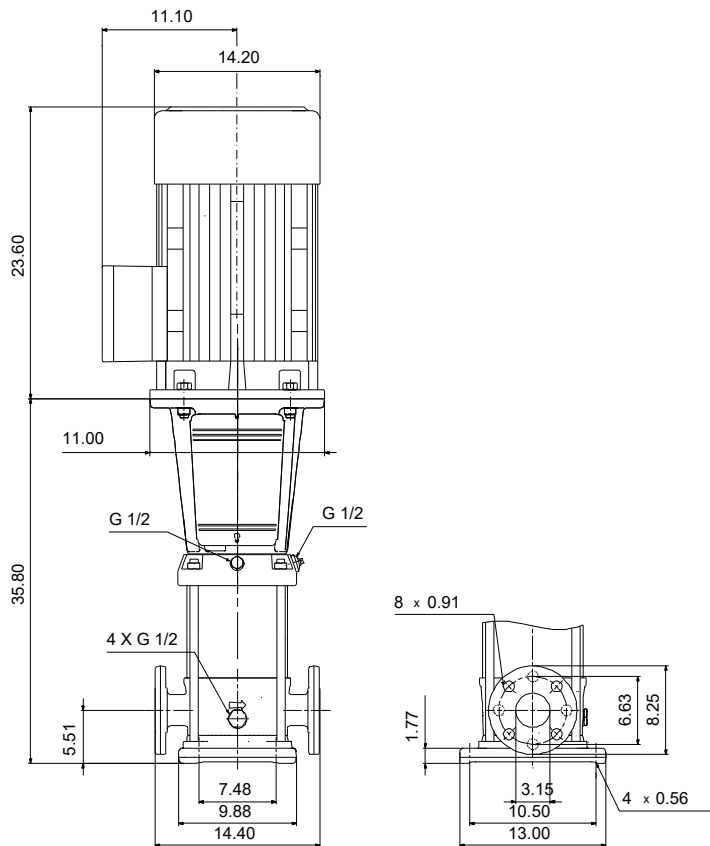
### CRN 45-4 A-G-A-V-HQQV

Vertical, multistage centrifugal pump with suction and discharge ports on same the level. Pump materials in contact with the liquid are in high-grade stainless steel (EN 1.4401) (AISI 316)

Product photo could vary from the actual product

| Conditions of Service   | Pump Data                                            | Motor Data                   |
|-------------------------|------------------------------------------------------|------------------------------|
| Efficiency: _____       | Max pressure at stated temperature: 435 psi / 194 °F | Rated power - P2: 30 HP      |
| Liquid: Water           | Liquid temperature range: -4 .. 194 °F               | Rated voltage: 208-230/460 V |
| Temperature: 68 °F      | Maximum ambient temperature: 104 °F                  | Main frequency: 60 Hz        |
| NPSH required: ft       | Shaft seal: HQQV                                     | Enclosure class: IP55        |
| Specific Gravity: 1.000 | Product number: 99918232                             | Insulation class: F          |
|                         |                                                      | Motor protection: NONE       |
|                         |                                                      | Motor type: WEG              |
|                         |                                                      | Eff. 1/1: 91.7 %             |

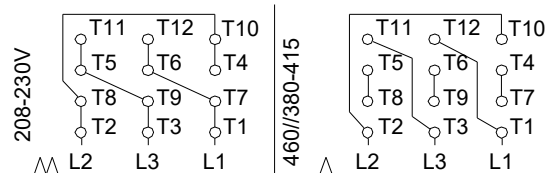
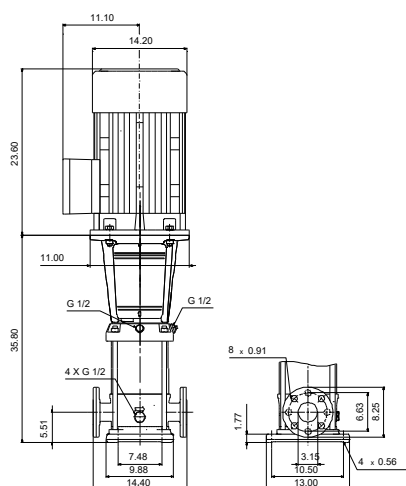
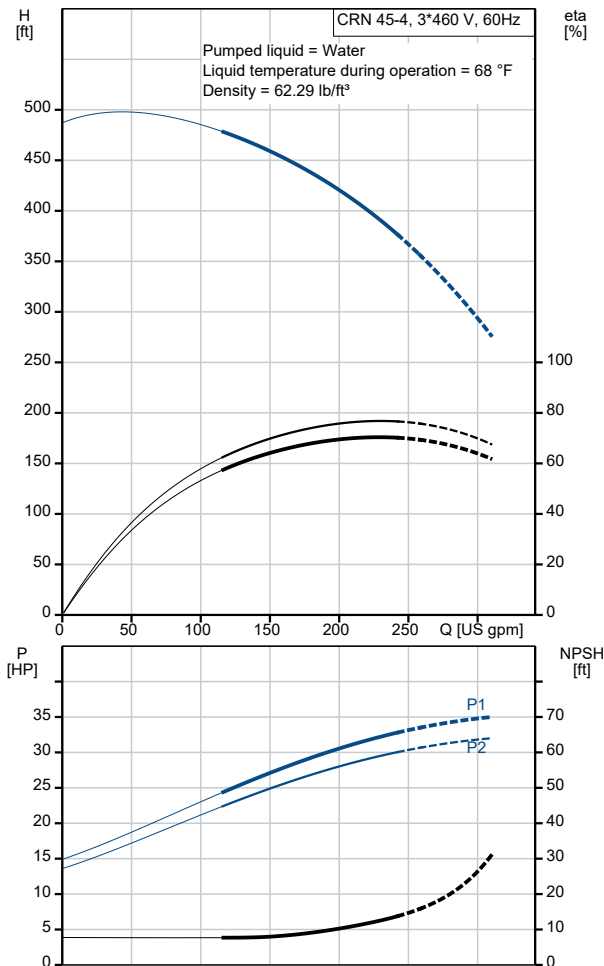




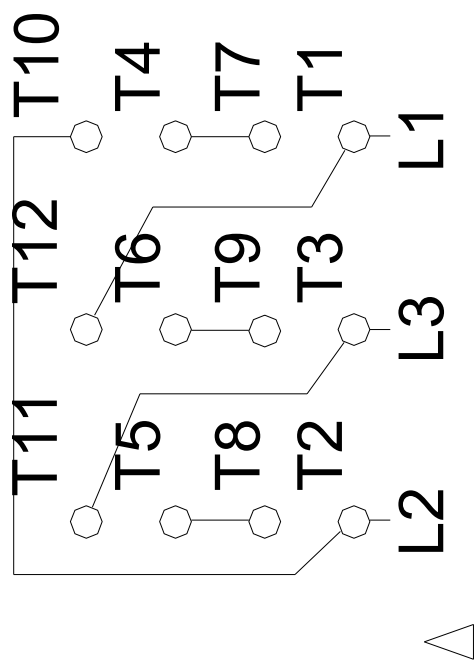
**Materials:**

Base: Stainless steel  
 Base: EN 1.4408  
 Base: AISI 316  
 Impeller: Stainless steel  
 Impeller: AISI 316  
 Impeller: EN 1.4401  
 Material code: A  
 Code for rubber: V

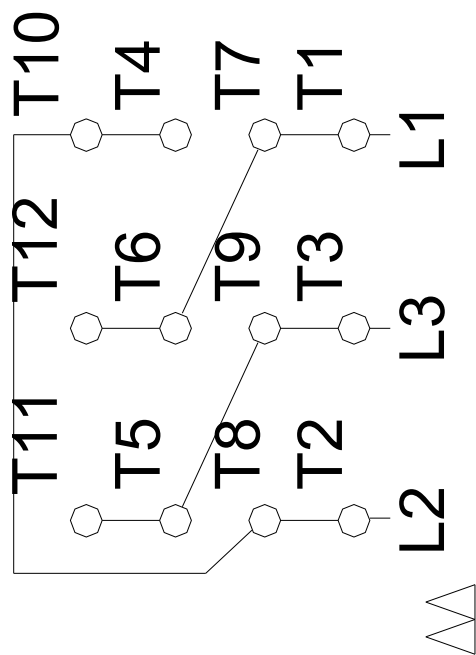
| Description                           | Value                 |
|---------------------------------------|-----------------------|
| <b>General information:</b>           |                       |
| Product name:                         | CRN 45-4 A-G-A-V-HQQV |
| Product No.:                          | 99918232              |
| EAN:                                  | 5715114130943         |
| <b>Technical:</b>                     |                       |
| Rated pump speed:                     | 3541 rpm              |
| Rated flow:                           | 238 US gpm            |
| Rated head:                           | 385.8 ft              |
| Maximum head:                         | 489.9 ft              |
| Actual impeller diameter:             | 5.34 in               |
| Stages:                               | 4                     |
| Impellers:                            | 4                     |
| Number of reduced-diameter impellers: | 0                     |
| Low NPSH:                             | N                     |
| Pump orientation:                     | Vertical              |
| Shaft seal arrangement:               | Single                |
| Code for shaft seal:                  | HQQV                  |
| Approvals:                            | CURUS                 |
| Curve tolerance:                      | ISO9906:2012 3B       |
| Pump version:                         | A                     |
| Model:                                | B                     |
| Cooling:                              | IC 411                |
| <b>Materials:</b>                     |                       |
| Base:                                 | Stainless steel       |
| Base:                                 | EN 1.4408             |
| Base:                                 | AISI 316              |
| Impeller:                             | Stainless steel       |
| Impeller:                             | EN 1.4401             |
| Impeller:                             | AISI 316              |
| Material code:                        | A                     |
| Code for rubber:                      | V                     |
| Bearing:                              | SIC                   |
| Support bearing:                      | Graflon               |
| <b>Installation:</b>                  |                       |
| t max amb:                            | 104 °F                |
| Maximum operating pressure:           | 435.11 psi            |
| Max pressure at stated temperature:   | 435 psi / 194 °F      |
| Max pressure at stated temperature:   | 435 psi / -4 °F       |
| Type of connection:                   | ANSI                  |
| Size of suction port:                 | 3 inch                |
| Size of outlet port:                  | 3 inch                |
| Pressure rating for connection:       | PN 40                 |
| Flange rating inlet:                  | 300 lb                |
| Flange size for motor:                | 284TC                 |
| Connect code:                         | G                     |
| <b>Liquid:</b>                        |                       |
| Pumped liquid:                        | Water                 |
| Liquid temperature range:             | -4 .. 194 °F          |
| Selected liquid temperature:          | 68 °F                 |
| Density:                              | 62.29 lb/ft³          |
| <b>Electrical data:</b>               |                       |
| Motor standard:                       | NEMA                  |
| Motor type:                           | WEG                   |
| IE Efficiency class:                  | IE3 / NEMA Premium    |
| Rated power - P2:                     | 30 HP                 |
| Power (P2) required by pump:          | 30 HP                 |
| Main frequency:                       | 60 Hz                 |
| Rated voltage:                        | 3 x 208-230/460 V     |
| Service factor:                       | 1.25                  |
| Rated current:                        | 73,8-67,6/33,8 A      |
| Starting current:                     | 630-630 %             |
| Full load SF current:                 | 84.5/42.3 A           |



| Description                    | Value        |
|--------------------------------|--------------|
| Cos phi - power factor:        | 0.89         |
| Rated speed:                   | 3540 rpm     |
| IE efficiency:                 | IE3 91,7%    |
| Motor efficiency at full load: | 91.7 %       |
| Motor efficiency at 3/4 load:  | 91.7 %       |
| Motor efficiency at 1/2 load:  | 91.7 %       |
| Number of poles:               | 2            |
| Enclosure class (IEC 34-5):    | IP55         |
| Insulation class (IEC 85):     | F            |
| Built-in motor protection:     | NONE         |
| Motor Number:                  | 99882384     |
| <b>Controls:</b>               |              |
| Frequency converter:           | NONE         |
| <b>Others:</b>                 |              |
| DOE Pump Energy Index CL:      | 0.89         |
| Net weight:                    | 581 lb       |
| Gross weight:                  | 598 lb       |
| Shipping volume:               | 29 ft³       |
| Country of origin:             | US           |
| Custom tariff no.:             | 8413.70.2040 |



460//380-415



208-230V

All units are [in] unless otherwise presented.