

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

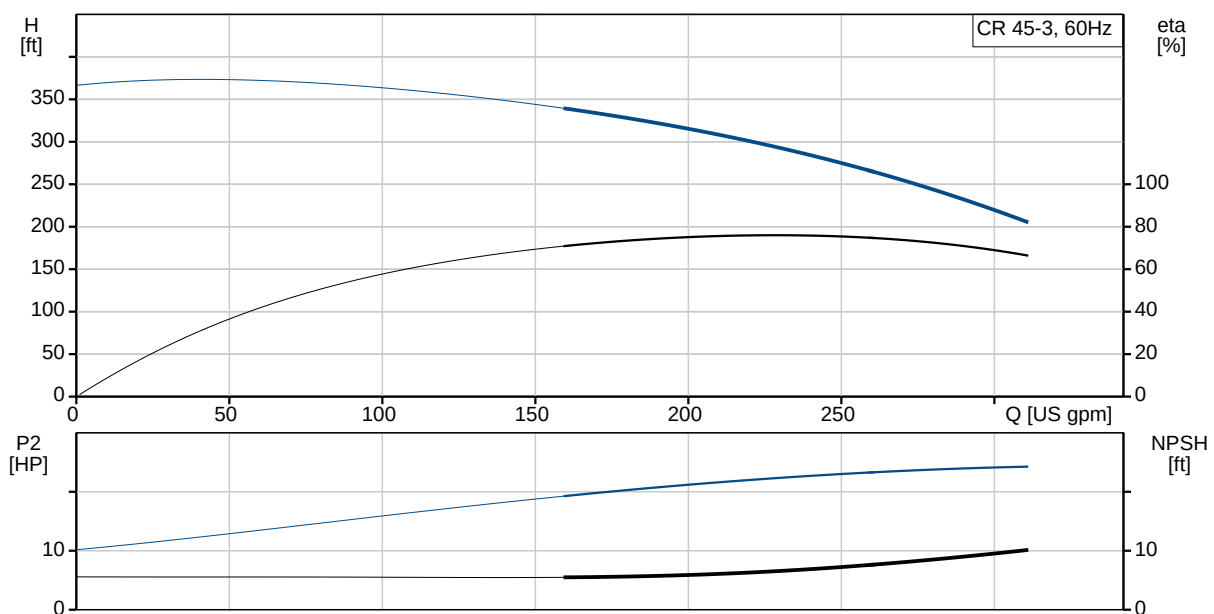


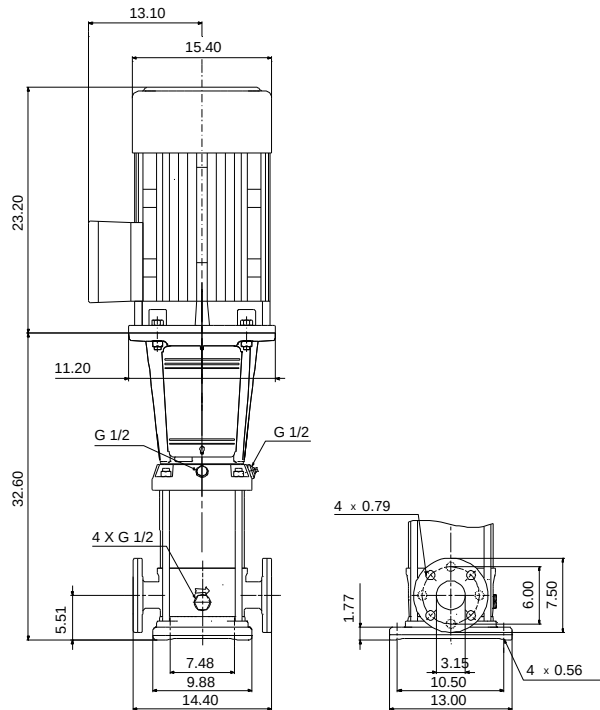
### CR 45-3 K-G-A-E-HQQE

Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron. All other wetted parts are in stainless steel (EN 1.4301) (AISI 304)

Product photo could vary from the actual product

| Conditions of Service   | Pump Data                                            | Motor Data               |
|-------------------------|------------------------------------------------------|--------------------------|
| Flow: _____             | Max pressure at stated temperature: 232 psi / 250 °F | Rated power - P2: 30 HP  |
| Head: _____             | Liquid temperature range: -22 .. 248 °F              | Rated voltage: 230/460 V |
| Efficiency: _____       | Maximum ambient temperature: 104 °F                  | Main frequency: 60 Hz    |
| Liquid: Water           | Approvals: CURUS                                     | Insulation class: F      |
| Temperature: 68 °F      | Shaft seal: HQQE                                     | Motor protection: NONE   |
| NPSH required: ft       | Product number: 97787933                             | Motor type: Baldor       |
| Viscosity: _____        |                                                      |                          |
| Specific Gravity: 1.000 |                                                      |                          |





**Materials:**

Base: Cast iron  
EN 1563 EN-GJS-500-7  
ASTM A536 80-55-06

Impeller: Stainless steel  
AISI 304  
EN 1.4301

Material code: A

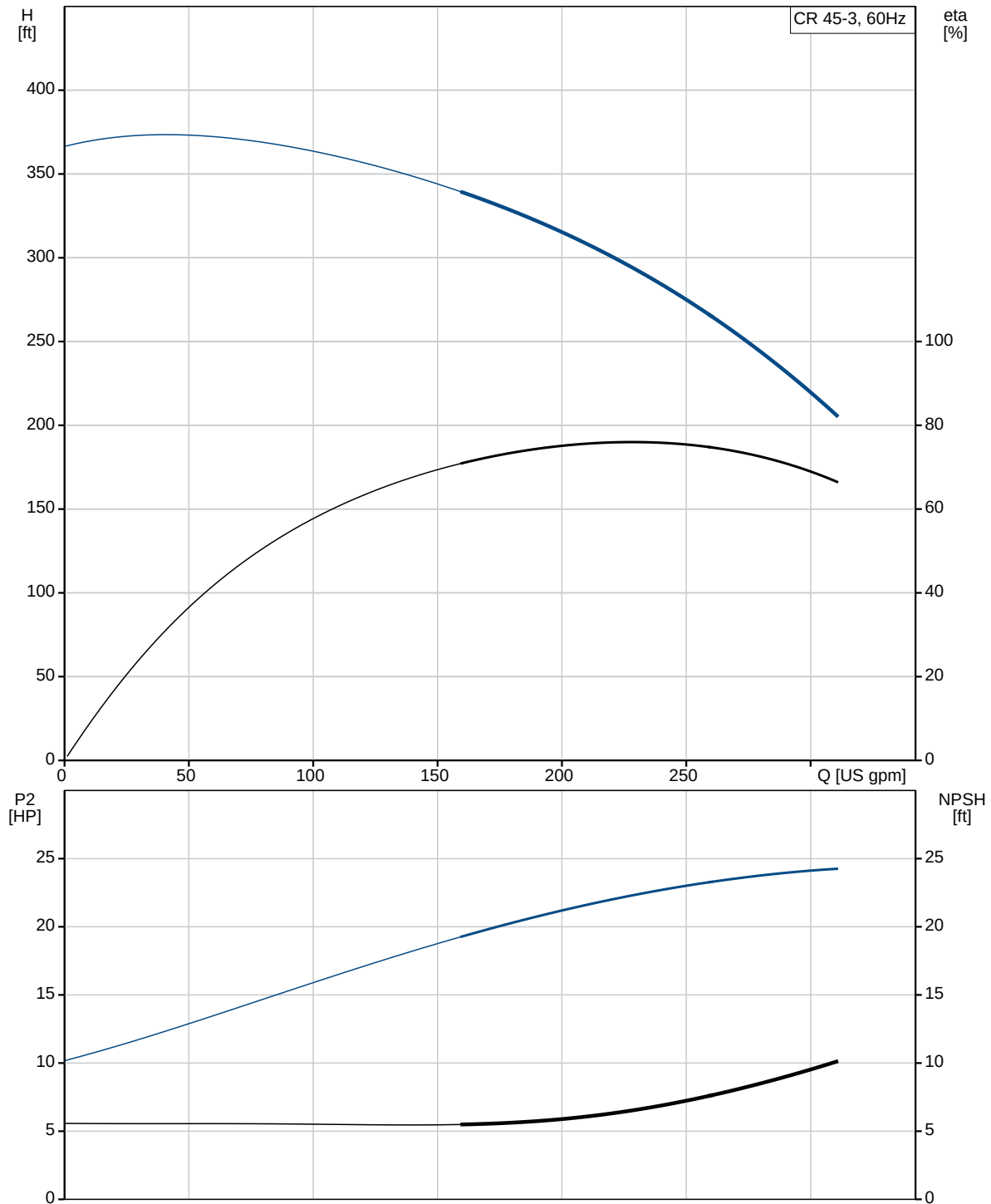
Code for rubber: E



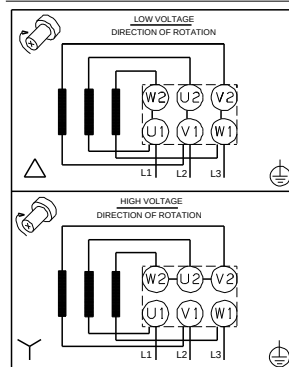
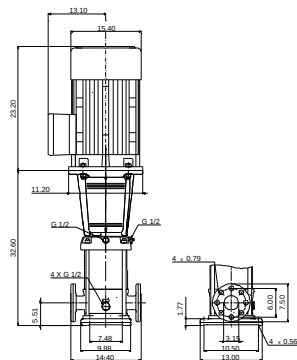
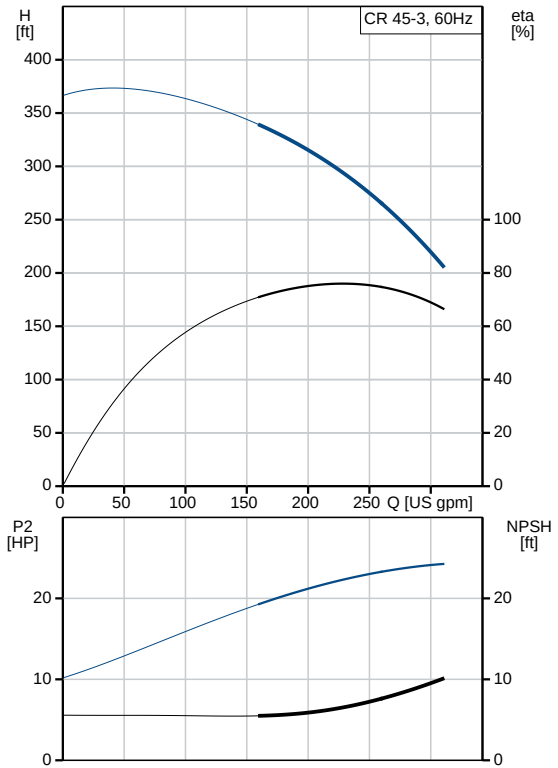
Company name:  
Created by:  
Phone:

Date: 6/18/2019

## 97787933 CR 45-3 K-G-A-E-HQQE 60 Hz



| Description                           | Value                                    |
|---------------------------------------|------------------------------------------|
| <b>General information:</b>           |                                          |
| Product name:                         | CR 45-3<br>K-G-A-E-HQQE                  |
| Product No.:                          | 97787933                                 |
| EAN:                                  | 5710624739099                            |
| <b>Technical:</b>                     |                                          |
| Rated pump speed:                     | 3521 rpm                                 |
| Rated flow:                           | 238 US gpm                               |
| Rated head:                           | 282.5 ft                                 |
| Head max:                             | 364.8 ft                                 |
| Stages:                               | 3                                        |
| Impellers:                            | 3                                        |
| Number of reduced-diameter impellers: | 0                                        |
| Low NPSH:                             | Y                                        |
| Pump orientation:                     | Vertical                                 |
| Shaft seal arrangement:               | Single                                   |
| Code for shaft seal:                  | HQQE                                     |
| Approvals on nameplate:               | CURUS                                    |
| Curve tolerance:                      | ISO9906:2012 3B                          |
| Pump version:                         | K                                        |
| Model:                                | B                                        |
| Cooling:                              | TEFC                                     |
| <b>Materials:</b>                     |                                          |
| Base:                                 | Cast iron<br>EN 1563 EN-GJS-500-7        |
|                                       | ASTM A536 80-55-06                       |
| Impeller:                             | Stainless steel<br>EN 1.4301<br>AISI 304 |
| Material code:                        | A                                        |
| Code for rubber:                      | E                                        |
| Bearing:                              | SIC                                      |
| Support bearing:                      | Graflon                                  |
| <b>Installation:</b>                  |                                          |
| Maximum ambient temperature:          | 104 °F                                   |
| Maximum operating pressure:           | 232.06 psi                               |
| Max pressure at stated temperature:   | 232 psi / 250 °F                         |
|                                       | 232 psi / -22 °F                         |
| Type of connection:                   | ANSI                                     |
| Size of suction port:                 | 3 inch                                   |
| Size of outlet port:                  | 3 inch                                   |
| Pressure rating for pipe connection:  | PN 16                                    |
| Flange rating inlet:                  | 150 lb                                   |
| Flange size for motor:                | 284TC                                    |
| Connect code:                         | G                                        |
| <b>Liquid:</b>                        |                                          |





Company name:

Created by:

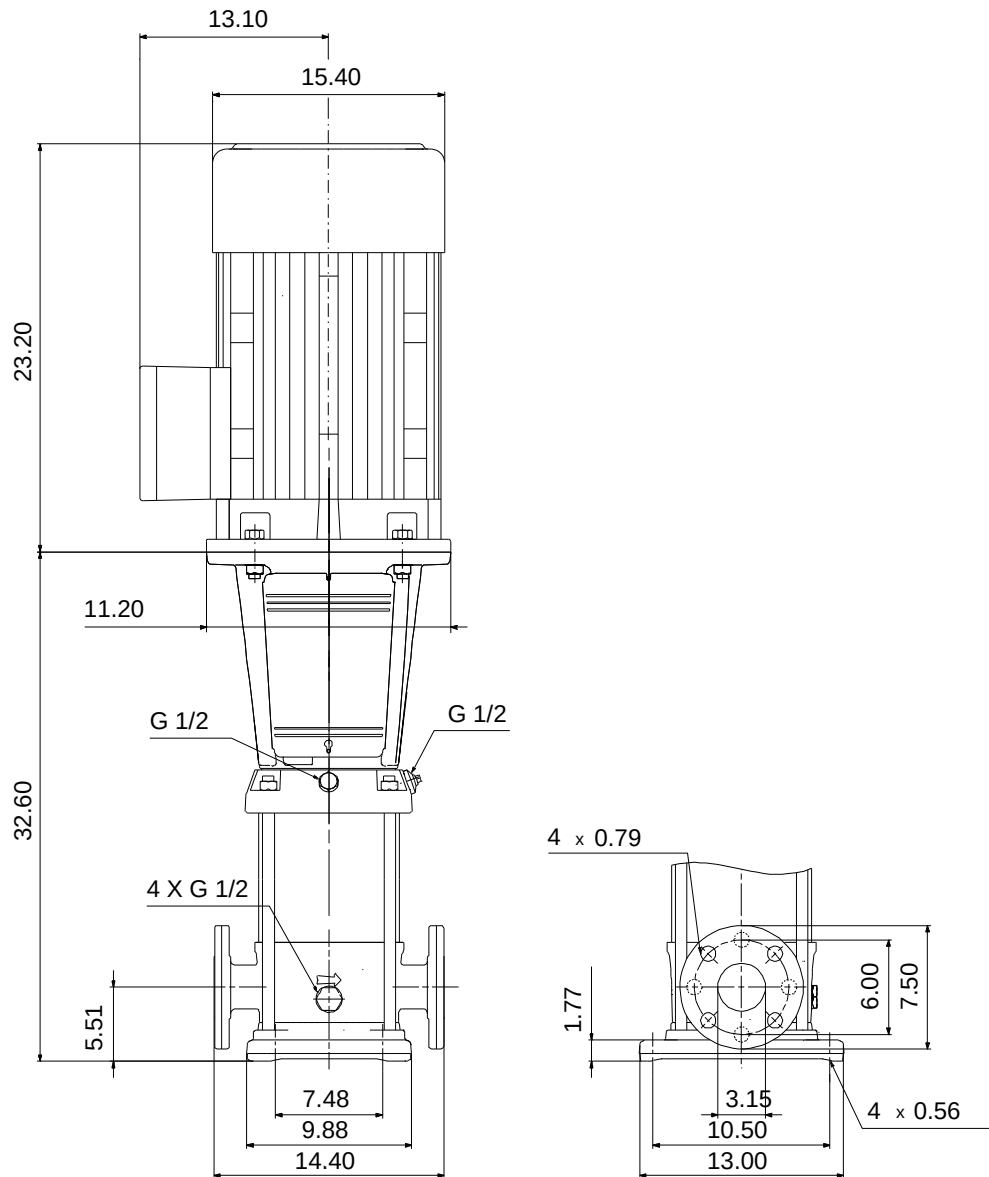
Phone:

Date:

6/18/2019

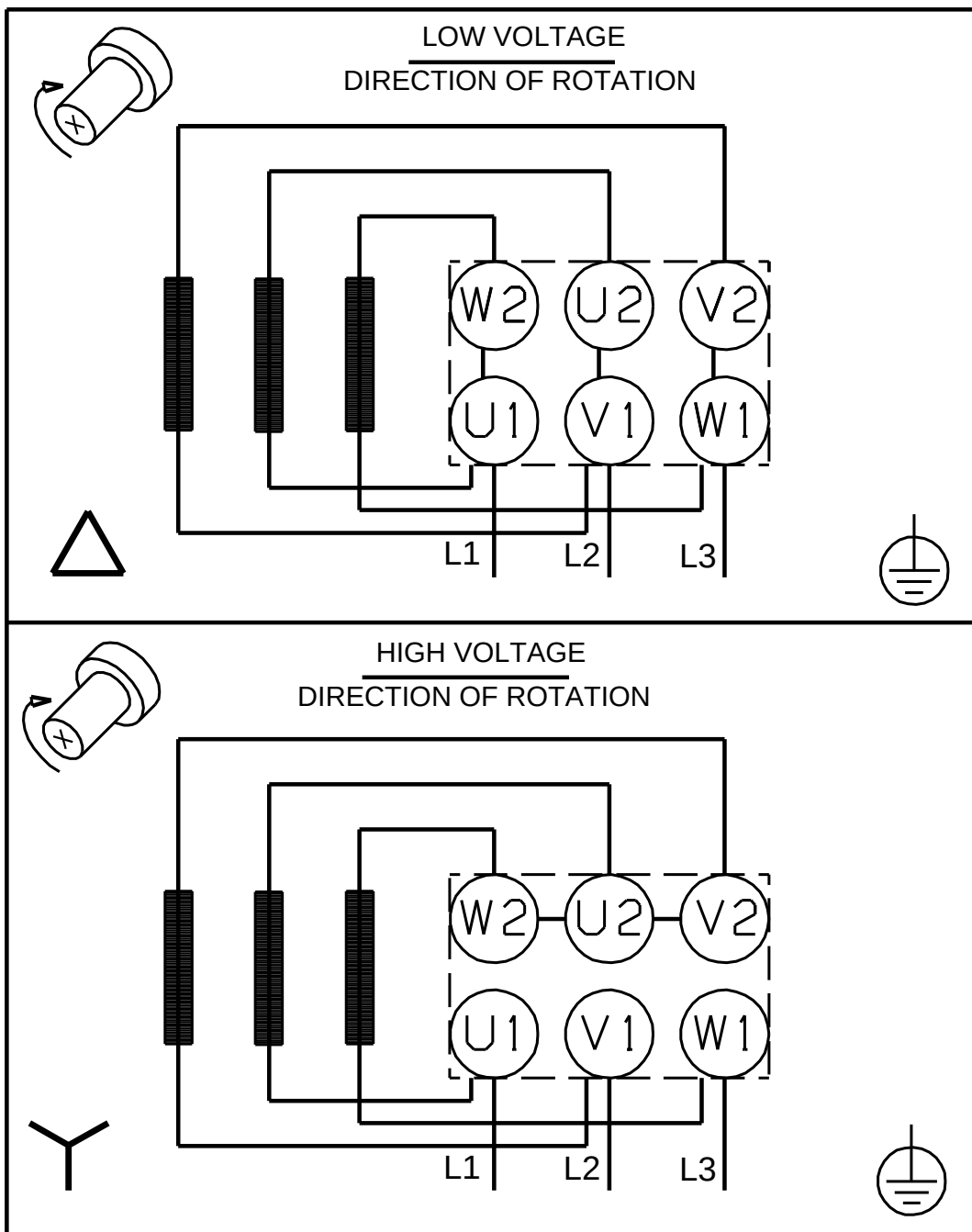
| Description                  | Value                      |
|------------------------------|----------------------------|
| Pumped liquid:               | Water                      |
| Liquid temperature range:    | -22 .. 248 °F              |
| Selected liquid temperature: | 68 °F                      |
| Density:                     | 62.29 lb/ft³               |
| <b>Electrical data:</b>      |                            |
| Motor standard:              | NEMA                       |
| Motor type:                  | Baldor                     |
| IE Efficiency class:         | NEMA Premium / IE3<br>60Hz |
| Rated power - P2:            | 30 HP                      |
| Power (P2) required by pump: | 30 HP                      |
| Main frequency:              | 60 Hz                      |
| Rated voltage:               | 3 x 230/460 V              |
| Service factor:              | 1.15                       |
| Rated current:               | 66/33 A                    |
| Load current:                | 74/37 A                    |
| Rated speed:                 | 3520 rpm                   |
| Number of poles:             | 2                          |
| Insulation class (IEC 85):   | F                          |
| Motor protection:            | NONE                       |
| Motor Number:                | 84Z03091                   |
| <b>Controls:</b>             |                            |
| Frequency converter:         | NONE                       |
| <b>Others:</b>               |                            |
| Net weight:                  | 536 lb                     |
| Gross weight:                | 554 lb                     |
| Shipping volume:             | 29 ft³                     |
| Country of origin:           | US                         |
| Custom tariff no.:           | 8413.70.2040               |

## 97787933 CR 45-3 K-G-A-E-HQQE 60 Hz



Note! All units are in [in] unless otherwise stated.  
Disclaimer: This simplified dimensional drawing does not show all details.

**97787933 CR 45-3 K-G-A-E-HQQE 60 Hz**



All units are [in] unless otherwise presented.