
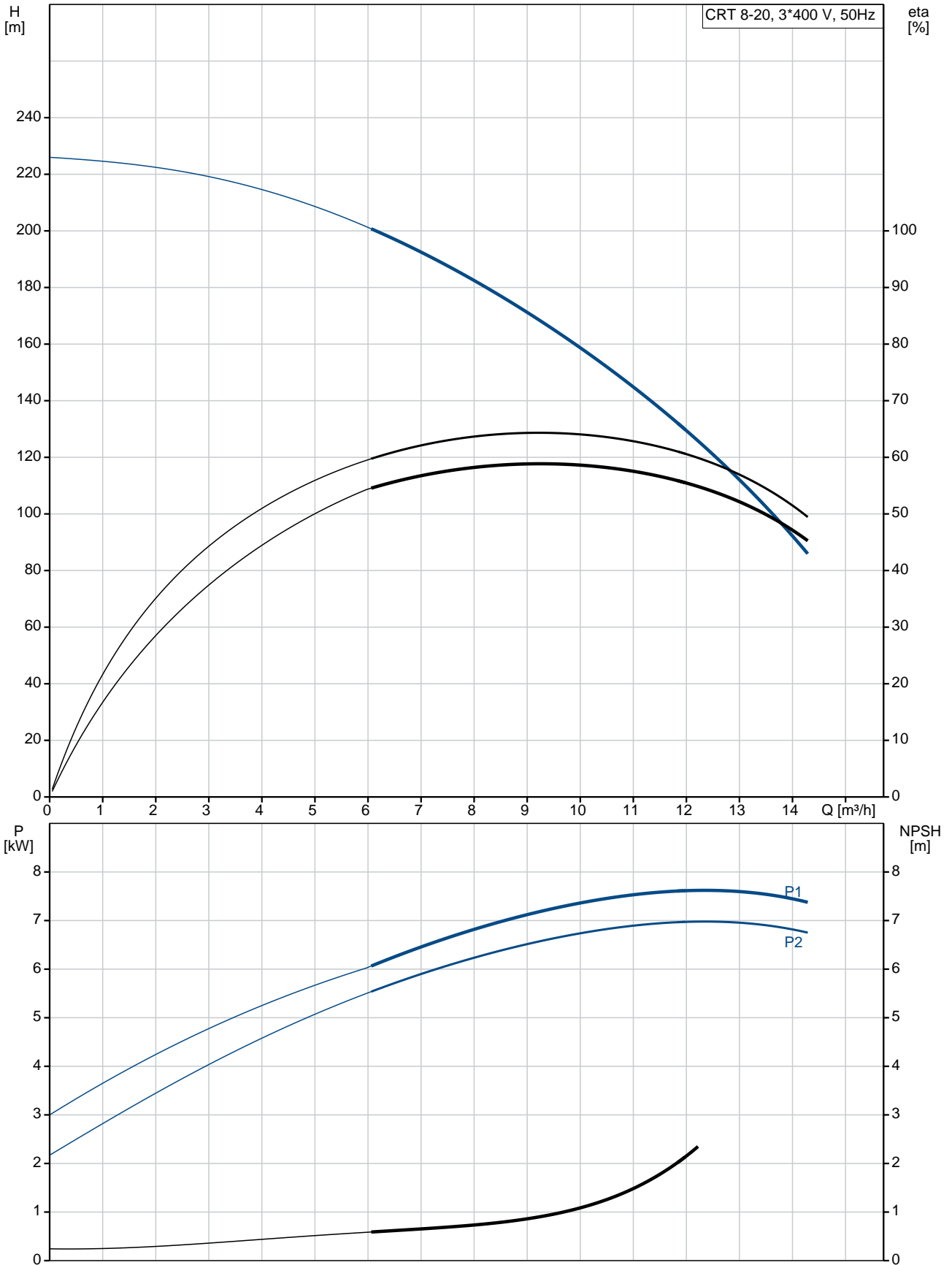


| Qty. | Description  |
|------|--|
| 1    | <p data-bbox="199 338 491 367"><b>CRT 8-20 A-P-A-E-AUUE</b></p>  <p data-bbox="199 660 469 689">Product No.: <a href="#">96117234</a></p> <p data-bbox="199 692 724 779">Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.</p> <p data-bbox="199 808 679 837">The pump has the following characteristics:</p> <ul data-bbox="236 840 759 869" style="list-style-type: none"> <li>- Impellers, intermediate chambers and outer</li> </ul> <p data-bbox="199 871 887 900">Impeller: sleeve are made of Titanium.</p> <p data-bbox="199 902 1131 931">Pump housing: - Pump head cover and base are made of Titanium.</p> <ul data-bbox="236 934 668 963" style="list-style-type: none"> <li>- The shaft seal has assembly length</li> </ul> <p data-bbox="199 965 464 994">according to EN 12756.</p> <ul data-bbox="236 996 711 1048" style="list-style-type: none"> <li>- Power transmission is via cast iron split coupling.</li> </ul> <p data-bbox="199 1050 927 1106">Flange standard: - Pipework connection is via PJE flanges/couplings.</p> <p data-bbox="199 1135 940 1164">Phase: The motor is a 3-phase AC motor.</p> <p data-bbox="199 1193 277 1223">Liquid:</p> <p data-bbox="199 1225 635 1254">Pumped liquid: Water</p> <p data-bbox="199 1256 707 1285">Liquid temperature range: -20 .. 120 °C</p> <p data-bbox="199 1288 632 1317">Selected liquid temperature: 20 °C</p> <p data-bbox="199 1319 699 1348">Density: 998.2 kg/m<sup>3</sup></p> <p data-bbox="199 1377 319 1406">Technical:</p> <p data-bbox="199 1408 821 1438">Pump speed on which pump data are based: 2900 rpm</p> <p data-bbox="199 1440 660 1469">Rated flow: 9.5 m<sup>3</sup>/h</p> <p data-bbox="199 1471 636 1500">Rated head: 170 m</p> <p data-bbox="199 1503 636 1532">Primary shaft seal: AUUE</p> <p data-bbox="199 1534 641 1563">Approvals on nameplate: CE,TR</p> <p data-bbox="199 1565 764 1594">Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="199 1624 312 1653">Materials:</p> <p data-bbox="199 1655 708 1711">Pump housing: Titanium<br/>ASTM B 265</p> <p data-bbox="199 1713 708 1769">Impeller: Titanium<br/>ASTM B 265</p> <p data-bbox="199 1771 639 1800">Bush material: NONE</p> <p data-bbox="199 1830 330 1859">Installation:</p> <p data-bbox="199 1861 632 1890">Maximum ambient temperature: 60 °C</p> <p data-bbox="199 1892 735 1926">Max pressure at stated temp: 25 bar / 120 °C</p> <p data-bbox="564 1928 730 1957">25 bar / -20 °C</p> <p data-bbox="199 1960 614 1989">Flange standard: PJE</p> <p data-bbox="199 1991 663 2020">Pipe connection: 60,3 mm</p> <p data-bbox="199 2022 639 2051">Flange size for motor: FF300</p> <p data-bbox="199 2080 368 2110">Electrical data:</p> |

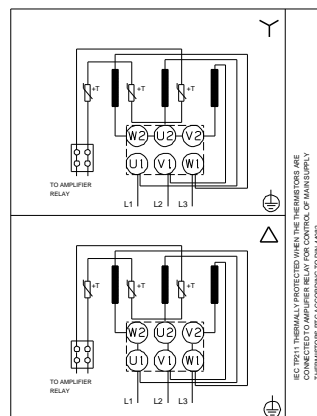
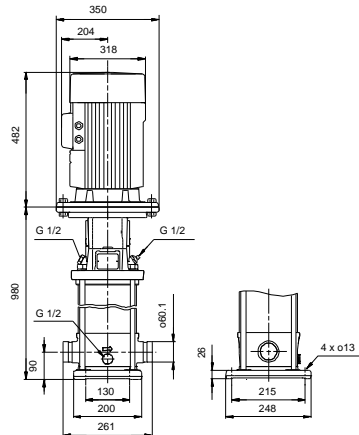
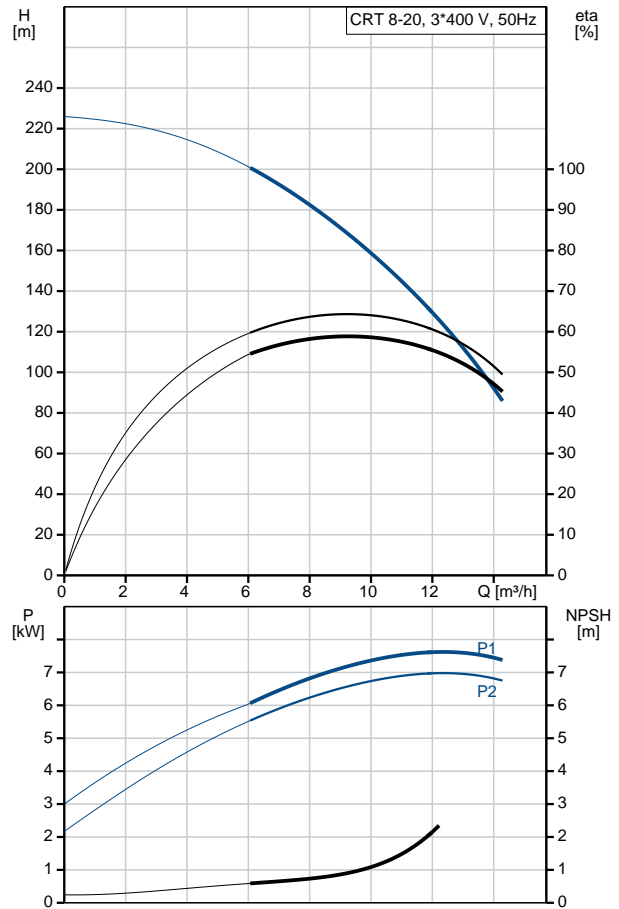
**Qty. Description**

|  |                         |
|--|-------------------------|
| Motor type:                                      | 160MB                   |
| IE Efficiency class:                             | IE3                     |
| Rated power - P2:                                | 11 kW                   |
| Power (P2) required by pump:                     | 11 kW                   |
|  | 11 kW                   |
| Mains frequency:                                 | 50 Hz                   |
| Rated voltage:                                   | 3 x 380-415D/660-690Y V |
| Rated current:                                   | 20,8-19,8/12,0-11,8 A   |
| Starting current:                                | 660-780 %               |
| Cos phi - power factor:                          | 0.88-0.84               |
| Rated speed:                                     | 2940-2950 rpm           |
| Efficiency:                                      | IE3 91,2%               |
| Motor efficiency at full load:                   | 91.2-91.2 %             |
| Motor efficiency at 3/4 load:                    | 91.8 %                  |
| Motor efficiency at 1/2 load:                    | 91.3 %                  |
| Number of poles:                                 | 2                       |
| Enclosure class (IEC 34-5):                      | 55 Dust/Jetting         |
| Insulation class (IEC 85):                       | F                       |
| Motor No:  | 85U17524                |
| Others:  |                         |
| Minimum efficiency index, MEI $\hat{\alpha}\%$ : | 0.7                     |
| Net weight:                                      | 133 kg                  |
| Gross weight:                                    | 143 kg                  |

## 96117234 CRT 8-20 A-P-A-E-AUUE 50 Hz



| Description                              | Value                      |
|--|----------------------------|
| <b>General information:</b>              |                            |
| Product name:                            | CRT 8-20<br>A-P-A-E-AUUE   |
| Product No:                              | 96117234                   |
| EAN number:                              | 5700396595887              |
| Price:                                   |                            |
| <b>Technical:</b>                        |                            |
| Pump speed on which pump data are based: | 2900 rpm                   |
| Rated flow:                              | 9.5 m <sup>3</sup> /h      |
| Rated head:                              | 170 m                      |
| Maximum head:                            | 220.4 m                    |
| Head max:                                | 220.4 m                    |
| Stages:                                  | 20                         |
| Impellers:                               | 20                         |
| Primary shaft seal:                      | AUUE                       |
| Approvals on nameplate:                  | CE, TR                     |
| Curve tolerance:                         | ISO9906:2012 3B            |
| Pump version:                            | A                          |
| Model:                                   | A                          |
| <b>Materials:</b>                        |                            |
| Pump housing:                            | Titanium                   |
| Pump housing:                            | ASTM B 265                 |
| Impeller:                                | Titanium                   |
| Impeller:                                | ASTM B 265                 |
| Material code:                           | A                          |
| Code for rubber:                         | E                          |
| Bush material:                           | NONE                       |
| <b>Installation:</b>                     |                            |
| Maximum ambient temperature:             | 60 °C                      |
| Max pressure at stated temp:             | 25 bar / 120 °C            |
| Max pressure at stated temp:             | 25 bar / -20 °C            |
| Flange standard:                         | PJE                        |
| Pipe connection:                         | 60,3 mm                    |
| Flange size for motor:                   | FF300                      |
| Connect code:                            | P                          |
| <b>Liquid:</b>                           |                            |
| Pumped liquid:                           | Water                      |
| Liquid temperature range:                | -20 .. 120 °C              |
| Selected liquid temperature:             | 20 °C                      |
| Density:                                 | 998.2 kg/m <sup>3</sup>    |
| <b>Electrical data:</b>                  |                            |
| Motor type:                              | 160MB                      |
| IE Efficiency class:                     | IE3                        |
| Rated power - P2:                        | 11 kW                      |
| Power (P2) required by pump:             | 11 kW                      |
| Power (P2) required by pump:             | 11 kW                      |
| Mains frequency:                         | 50 Hz                      |
| Rated voltage:                           | 3 x 380-415D/660-690Y<br>V |
| Rated current:                           | 20,8-19,8/12,0-11,8 A      |
| Starting current:                        | 660-780 %                  |
| Cos phi - power factor:                  | 0.88-0.84                  |
| Rated speed:                             | 2940-2950 rpm              |
| Efficiency:                              | IE3 91,2%                  |
| Motor efficiency at full load:           | 91.2-91.2 %                |
| Motor efficiency at 3/4 load:            | 91.8 %                     |
| Motor efficiency at 1/2 load:            | 91.3 %                     |
| Number of poles:                         | 2                          |





Company name:

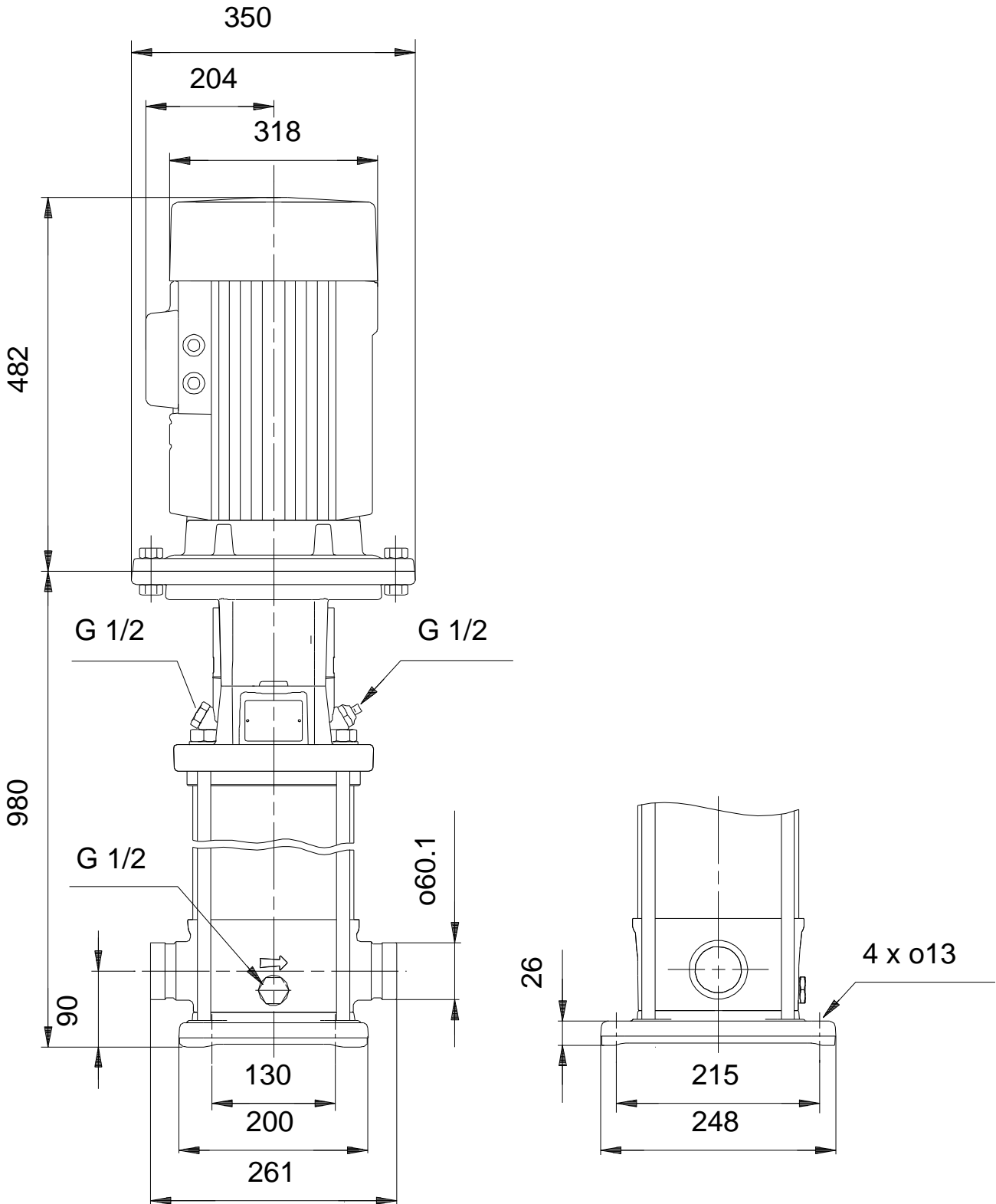
Created by:

Phone:

Date: 19/01/2021

| Description                      | Value           |
|----------------------------------|-----------------|
| Enclosure class (IEC 34-5):      | 55 Dust/Jetting |
| Insulation class (IEC 85):       | F               |
| Motor protec:                    | PTC             |
| Motor No:                        | 85U17524        |
| <b>Others:</b>                   |                 |
| Minimum efficiency index, MEI %: | 0.7             |
| Net weight:                      | 133 kg          |
| Gross weight:                    | 143 kg          |

**96117234 CRT 8-20 A-P-A-E-AUUE 50 Hz**



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

## 96117234 CRT 8-20 A-P-A-E-AUUE 50 Hz



Note! All units are in [mm] unless others are stated.