

|                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
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| Телефон<br>Телефакс                   |                        | NOZ 25 / 20 EM<br>Установка: Стандартный насос                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Клиент                                |                        | Проект                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| № клиента                             |                        | № проекта                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Ответственный                         |                        | Поз. №                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Редактор                              |                        | Локальный                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
|                                       |                        | Дата                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |  |  | 19.04.2024     |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
|                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  | Страница 1 / 1 |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
|                                       |                        | <div>Данные запроса</div> <table><tr><td>Расход</td><td>0</td><td>m³/h</td></tr><tr><td>Напор</td><td>0</td><td>m</td></tr><tr><td>Перекачиваемая среда</td><td colspan="2">Вода, чистая</td></tr><tr><td>Температура жидкости</td><td>20</td><td>°C</td></tr><tr><td>Плотность</td><td>998,3</td><td>kg/m³</td></tr><tr><td>Кинематическая вязкость</td><td>1,005</td><td>mm²/s</td></tr><tr><td>Давление пара</td><td>2,337</td><td>kPa</td></tr></table> <div>Данные насоса</div> <table><tr><td>Тип</td><td colspan="2">NOZ 25/20 EM</td></tr><tr><td>Вид агрегата</td><td colspan="2">Насос</td></tr><tr><td>Вид работы</td><td colspan="2">1</td></tr><tr><td>Ступень ном. давления</td><td colspan="2">PN10</td></tr><tr><td>Мин. температура жидкости</td><td>2</td><td>°C</td></tr><tr><td>Макс. температура жидкости</td><td>110</td><td>°C</td></tr></table> <div>Данные гидравлики (рабочая точка)</div> <table><tr><td>Расход</td><td colspan="2">m³/h</td></tr><tr><td>Напор</td><td colspan="2">m</td></tr></table> <div>Мин. давление на входе</div> <table><tr><td>Температура</td><td></td><td></td><td></td><td></td><td></td><td>°C</td></tr><tr><td>Мин. давление на входе</td><td></td><td></td><td></td><td></td><td></td><td>m</td></tr></table> <div>Материалы / уплотнение</div> <table><tr><td>Корпус</td><td colspan="6">Серый чугун</td></tr><tr><td>Вал</td><td colspan="6">Нерж. сталь</td></tr><tr><td>Рабочее колесо</td><td colspan="6">Синтетический материал</td></tr><tr><td>Подшипник</td><td colspan="6">Silicon Carbide</td></tr></table> <div>Размеры</div> <table><tr><td colspan="7">mm</td></tr><tr><td>H1</td><td>54</td><td>B1</td><td>80</td><td></td><td></td><td></td></tr><tr><td>H2</td><td>232</td><td>B2</td><td>154</td><td></td><td></td><td></td></tr><tr><td>H3</td><td>286</td><td>B3</td><td>80</td><td></td><td></td><td></td></tr><tr><td>L1</td><td>230</td><td>M</td><td>10</td><td></td><td></td><td></td></tr><tr><td>L2</td><td>115</td><td></td><td></td><td></td><td></td><td></td></tr></table> <div>Всасывающая сторона DNs Rp 1 1/2 / PN10</div> <div>Напорная сторона DNd Rp 1 1/2 / PN10</div> <div>Вес 13,4 kg</div> <div>Данные мотора</div> <table><tr><td colspan="2">Класс энергоэффективности</td></tr><tr><td>Ном. мощность P2</td><td>0,4 kW</td></tr><tr><td>Потребл. мощность P1</td><td>1 kW</td></tr><tr><td>Ном. число оборотов</td><td>2900 1/min</td></tr><tr><td>Ном. напряжение</td><td>1~230 V,50 Hz</td></tr><tr><td>Макс. потребление тока</td><td>4,9 A</td></tr><tr><td>Вид защиты</td><td>IP 44</td></tr><tr><td colspan="2">Допустимый перепад напряжения +/- 10%</td></tr></table> <div>Арт. № стандартного исполнения 2479391</div> |     |  |  |                |  | Расход | 0 | m³/h | Напор | 0 | m | Перекачиваемая среда | Вода, чистая |  | Температура жидкости | 20 | °C | Плотность | 998,3 | kg/m³ | Кинематическая вязкость | 1,005 | mm²/s | Давление пара | 2,337 | kPa | Тип | NOZ 25/20 EM |  | Вид агрегата | Насос |  | Вид работы | 1 |  | Ступень ном. давления | PN10 |  | Мин. температура жидкости | 2 | °C | Макс. температура жидкости | 110 | °C | Расход | m³/h |  | Напор | m |  | Температура |  |  |  |  |  | °C | Мин. давление на входе |  |  |  |  |  | m | Корпус | Серый чугун |  |  |  |  |  | Вал | Нерж. сталь |  |  |  |  |  | Рабочее колесо | Синтетический материал |  |  |  |  |  | Подшипник | Silicon Carbide |  |  |  |  |  | mm |  |  |  |  |  |  | H1 | 54 | B1 | 80 |  |  |  | H2 | 232 | B2 | 154 |  |  |  | H3 | 286 | B3 | 80 |  |  |  | L1 | 230 | M | 10 |  |  |  | L2 | 115 |  |  |  |  |  | Класс энергоэффективности |  | Ном. мощность P2 | 0,4 kW | Потребл. мощность P1 | 1 kW | Ном. число оборотов | 2900 1/min | Ном. напряжение | 1~230 V,50 Hz | Макс. потребление тока | 4,9 A | Вид защиты | IP 44 | Допустимый перепад напряжения +/- 10% |  |
| Расход                                | 0                      | m³/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Напор                                 | 0                      | m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Перекачиваемая среда                  | Вода, чистая           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Температура жидкости                  | 20                     | °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Плотность                             | 998,3                  | kg/m³                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Кинематическая вязкость               | 1,005                  | mm²/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Давление пара                         | 2,337                  | kPa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Тип                                   | NOZ 25/20 EM           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Вид агрегата                          | Насос                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Вид работы                            | 1                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Ступень ном. давления                 | PN10                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Мин. температура жидкости             | 2                      | °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Макс. температура жидкости            | 110                    | °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Расход                                | m³/h                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Напор                                 | m                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Температура                           |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  | °C             |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Мин. давление на входе                |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  | m              |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Корпус                                | Серый чугун            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Вал                                   | Нерж. сталь            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Рабочее колесо                        | Синтетический материал |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Подшипник                             | Silicon Carbide        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| mm                                    |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| H1                                    | 54                     | B1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 80  |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| H2                                    | 232                    | B2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 154 |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| H3                                    | 286                    | B3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 80  |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| L1                                    | 230                    | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10  |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| L2                                    | 115                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Класс энергоэффективности             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Ном. мощность P2                      | 0,4 kW                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Потребл. мощность P1                  | 1 kW                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Ном. число оборотов                   | 2900 1/min             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Ном. напряжение                       | 1~230 V,50 Hz          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Макс. потребление тока                | 4,9 A                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Вид защиты                            | IP 44                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
| Допустимый перепад напряжения +/- 10% |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |
|                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |  |  |                |  |        |   |      |       |   |   |                      |              |  |                      |    |    |           |       |       |                         |       |       |               |       |     |     |              |  |              |       |  |            |   |  |                       |      |  |                           |   |    |                            |     |    |        |      |  |       |   |  |             |  |  |  |  |  |    |                        |  |  |  |  |  |   |        |             |  |  |  |  |  |     |             |  |  |  |  |  |                |                        |  |  |  |  |  |           |                 |  |  |  |  |  |    |  |  |  |  |  |  |    |    |    |    |  |  |  |    |     |    |     |  |  |  |    |     |    |    |  |  |  |    |     |   |    |  |  |  |    |     |  |  |  |  |  |                           |  |                  |        |                      |      |                     |            |                 |               |                        |       |            |       |                                       |  |

Возможны технические изменения

Версия программы 3.1.12 - 10.03.2013 (Build 88)

Группа пользователей Круглый

Статус данных 2011-10-01