

|                                 |                    |                   |                  |                         |  |
|---------------------------------|--------------------|-------------------|------------------|-------------------------|--|
|                                 |                    | NO.<br>図番         |                  | A-23233-2               |  |
| 予想性能曲線図 PUMP PERFORMANCE CURVES |                    |                   |                  |                         |  |
| TYPE<br>名 称                     |                    | 冷温水循環ポンプ          |                  | MODEL<br>型 式            |  |
|                                 |                    | 50TPBZ-7523A-P    |                  | FREQUENCY<br>周波数 50 Hz  |  |
| CUSTOMER'S NAME<br>御注文先         |                    |                   |                  |                         |  |
| EQUIPMENT TITLE<br>機器名称         |                    |                   |                  |                         |  |
| 殿                               |                    |                   |                  |                         |  |
| NO.                             |                    |                   |                  |                         |  |
|                                 |                    | 標 準 仕 様           |                  | STANDARD SPECIFICATIONS |  |
| 口 径 : DISCHARGE BORE            |                    | 50                |                  | mm                      |  |
| 全揚程 : TOTAL HEAD                |                    | -                 |                  | m                       |  |
| 吐出し量 : CAPACITY                 |                    | -                 |                  | m <sup>3</sup> /min     |  |
| 出 力 : MOTOR OUTPUT              |                    | 0.75              |                  | kW                      |  |
| 相×電圧 : PHASE × VOLTAGE          |                    | 3 φ × 200         |                  | V                       |  |
| 電 流 : CURRENT                   |                    | 3.8               |                  | A                       |  |
| 極数: POLES / 回転数: REVOLUTION     |                    | 2 P / S. S. 3000  |                  | min <sup>-1</sup>       |  |
| 始動方式 : STARTING METHOD          |                    | じか入始動             |                  |                         |  |
| 絶縁階級 : INSULATION CLASS         |                    | F                 |                  |                         |  |
| REMARKS:                        |                    |                   |                  |                         |  |
|                                 |                    |                   |                  |                         |  |
| %                               | kW                 | m                 | CAPACITY<br>吐出し量 |                         |  |
| PUMP EFF.<br>ポンプ効率              | MOTOR OUTPUT<br>出力 | TOTAL HEAD<br>全揚程 |                  |                         |  |
| 0.1                             |                    | 0.2               |                  | 0.3                     |  |
| 0.4                             |                    | 0.5               |                  | 0.6                     |  |
| 0.7                             |                    | 0.8               |                  | 0.9                     |  |
| 1.0                             |                    | 1.1               |                  | 1.2                     |  |
| 1.3                             |                    | 1.4               |                  | 1.5                     |  |
| 1.6                             |                    | 1.7               |                  | 1.8                     |  |
| 1.9                             |                    | 2.0               |                  | 2.1                     |  |
| 2.2                             |                    | 2.3               |                  | 2.4                     |  |
| 2.5                             |                    | 2.6               |                  | 2.7                     |  |
| 2.8                             |                    | 2.9               |                  | 3.0                     |  |
| 3.1                             |                    | 3.2               |                  | 3.3                     |  |
| 3.4                             |                    | 3.5               |                  | 3.6                     |  |
| 3.7                             |                    | 3.8               |                  | 3.9                     |  |
| 4.0                             |                    | 4.1               |                  | 4.2                     |  |
| 4.3                             |                    | 4.4               |                  | 4.5                     |  |
| 4.6                             |                    | 4.7               |                  | 4.8                     |  |
| 4.9                             |                    | 5.0               |                  | 5.1                     |  |
| 5.2                             |                    | 5.3               |                  | 5.4                     |  |
| 5.5                             |                    | 5.6               |                  | 5.7                     |  |
| 5.8                             |                    | 5.9               |                  | 6.0                     |  |
| 6.1                             |                    | 6.2               |                  | 6.3                     |  |
| 6.4                             |                    | 6.5               |                  | 6.6                     |  |
| 6.7                             |                    | 6.8               |                  | 6.9                     |  |
| 7.0                             |                    | 7.1               |                  | 7.2                     |  |
| 7.3                             |                    | 7.4               |                  | 7.5                     |  |
| 7.6                             |                    | 7.7               |                  | 7.8                     |  |
| 7.9                             |                    | 8.0               |                  | 8.1                     |  |
| 8.2                             |                    | 8.3               |                  | 8.4                     |  |
| 8.5                             |                    | 8.6               |                  | 8.7                     |  |
| 8.8                             |                    | 8.9               |                  | 9.0                     |  |
| 9.1                             |                    | 9.2               |                  | 9.3                     |  |
| 9.4                             |                    | 9.5               |                  | 9.6                     |  |
| 9.7                             |                    | 9.8               |                  | 9.9                     |  |
| 10.0                            |                    | 10.1              |                  | 10.2                    |  |
| 10.3                            |                    | 10.4              |                  | 10.5                    |  |
| 10.6                            |                    | 10.7              |                  | 10.8                    |  |
| 10.9                            |                    | 11.0              |                  | 11.1                    |  |
| 11.2                            |                    | 11.3              |                  | 11.4                    |  |
| 11.5                            |                    | 11.6              |                  | 11.7                    |  |
| 11.8                            |                    | 11.9              |                  | 12.0                    |  |
| 12.1                            |                    | 12.2              |                  | 12.3                    |  |
| 12.4                            |                    | 12.5              |                  | 12.6                    |  |
| 12.7                            |                    | 12.8              |                  | 12.9                    |  |
| 13.0                            |                    | 13.1              |                  | 13.2                    |  |
| 13.3                            |                    | 13.4              |                  | 13.5                    |  |
| 13.6                            |                    | 13.7              |                  | 13.8                    |  |
| 13.9                            |                    | 14.0              |                  | 14.1                    |  |
| 14.2                            |                    | 14.3              |                  | 14.4                    |  |
| 14.5                            |                    | 14.6              |                  | 14.7                    |  |
| 14.8                            |                    | 14.9              |                  | 15.0                    |  |
| 15.1                            |                    | 15.2              |                  | 15.3                    |  |
| 15.4                            |                    | 15.5              |                  | 15.6                    |  |
| 15.7                            |                    | 15.8              |                  | 15.9                    |  |
| 16.0                            |                    | 16.1              |                  | 16.2                    |  |
| 16.3                            |                    | 16.4              |                  | 16.5                    |  |
| 16.6                            |                    | 16.7              |                  | 16.8                    |  |
| 16.9                            |                    | 17.0              |                  | 17.1                    |  |
| 17.2                            |                    | 17.3              |                  | 17.4                    |  |
| 17.5                            |                    | 17.6              |                  | 17.7                    |  |
| 17.8                            |                    | 17.9              |                  | 18.0                    |  |
| 18.1                            |                    | 18.2              |                  | 18.3                    |  |
| 18.4                            |                    | 18.5              |                  | 18.6                    |  |
| 18.7                            |                    | 18.8              |                  | 18.9                    |  |
| 19.0                            |                    | 19.1              |                  | 19.2                    |  |
| 19.3                            |                    | 19.4              |                  | 19.5                    |  |
| 19.6                            |                    | 19.7              |                  | 19.8                    |  |
| 19.9                            |                    | 20.0              |                  | 20.1                    |  |
| 20.2                            |                    | 20.3              |                  | 20.4                    |  |
| 20.5                            |                    | 20.6              |                  | 20.7                    |  |
| 20.8                            |                    | 20.9              |                  | 21.0                    |  |
| 21.1                            |                    | 21.2              |                  | 21.3                    |  |
| 21.4                            |                    | 21.5              |                  | 21.6                    |  |
| 21.7                            |                    | 21.8              |                  | 21.9                    |  |
| 22.0                            |                    | 22.1              |                  | 22.2                    |  |
| 22.3                            |                    | 22.4              |                  | 22.5                    |  |
| 22.6                            |                    | 22.7              |                  | 22.8                    |  |
| 22.9                            |                    | 23.0              |                  | 23.1                    |  |
| 23.2                            |                    | 23.3              |                  | 23.4                    |  |
| 23.5                            |                    | 23.6              |                  | 23.7                    |  |
| 23.8                            |                    | 23.9              |                  | 24.0                    |  |
| 24.1                            |                    | 24.2              |                  | 24.3                    |  |
| 24.4                            |                    | 24.5              |                  | 24.6                    |  |
| 24.7                            |                    | 24.8              |                  | 24.9                    |  |
| 25.0                            |                    | 25.1              |                  | 25.2                    |  |
| 25.3                            |                    | 25.4              |                  | 25.5                    |  |
| 25.6                            |                    | 25.7              |                  | 25.8                    |  |
| 25.9                            |                    | 26.0              |                  | 26.1                    |  |
| 26.2                            |                    | 26.3              |                  | 26.4                    |  |
| 26.5                            |                    | 26.6              |                  | 26.7                    |  |
| 26.8                            |                    | 26.9              |                  | 27.0                    |  |
| 27.1                            |                    | 27.2              |                  | 27.3                    |  |
| 27.4                            |                    | 27.5              |                  | 27.6                    |  |
| 27.7                            |                    | 27.8              |                  | 27.9                    |  |
| 28.0                            |                    | 28.1              |                  | 28.2                    |  |
| 28.3                            |                    | 28.4              |                  | 28.5                    |  |
| 28.6                            |                    | 28.7              |                  | 28.8                    |  |
| 28.9                            |                    | 29.0              |                  | 29.1                    |  |
| 29.2                            |                    | 29.3              |                  | 29.4                    |  |
| 29.5                            |                    | 29.6              |                  | 29.7                    |  |
| 29.8                            |                    | 29.9              |                  | 30.0                    |  |
| 30.1                            |                    | 30.2              |                  | 30.3                    |  |
| 30.4                            |                    | 30.5              |                  | 30.6                    |  |
| 30.7                            |                    | 30.8              |                  | 30.9                    |  |
| 31.0                            |                    | 31.1              |                  | 31.2                    |  |
| 31.3                            |                    | 31.4              |                  | 31.5                    |  |
| 31.6                            |                    | 31.7              |                  | 31.8                    |  |
| 31.9                            |                    | 32.0              |                  | 32.1                    |  |
| 32.2                            |                    | 32.3              |                  | 32.4                    |  |
| 32.5                            |                    | 32.6              |                  | 32.7                    |  |
| 32.8                            |                    | 32.9              |                  | 33.0                    |  |
| 33.1                            |                    | 33.2              |                  | 33.3                    |  |
| 33.4                            |                    | 33.5              |                  | 33.6                    |  |
| 33.7                            |                    | 33.8              |                  | 33.9                    |  |
| 34.0                            |                    | 34.1              |                  | 34.2                    |  |
| 34.3                            |                    | 34.4              |                  | 34.5                    |  |
| 34.6                            |                    | 34.7              |                  | 34.8                    |  |
| 34.9                            |                    | 35.0              |                  | 35.1                    |  |
| 35.2                            |                    | 35.3              |                  | 35.4                    |  |
| 35.5                            |                    | 35.6              |                  | 35.7                    |  |
| 35.8                            |                    | 35.9              |                  | 36.0                    |  |
| 36.1                            |                    | 36.2              |                  | 36.3                    |  |
| 36.4                            |                    | 36.5              |                  | 36.6                    |  |
| 36.7                            |                    | 36.8              |                  | 36.9                    |  |
| 37.0                            |                    | 37.1              |                  | 37.2                    |  |
| 37.3                            |                    | 37.4              |                  | 37.5                    |  |
| 37.6                            |                    | 37.7              |                  | 37.8                    |  |
| 37.9                            |                    | 38.0              |                  | 38.1                    |  |
| 38.2                            |                    | 38.3              |                  | 38.4                    |  |
| 38.5                            |                    | 38.6              |                  | 38.7                    |  |
| 38.8                            |                    | 38.9              |                  | 39.0                    |  |
| 39.1                            |                    | 39.2              |                  | 39.3                    |  |
| 39.4                            |                    | 39.5              |                  | 39.6                    |  |
| 39.7                            |                    | 39.8              |                  | 39.9                    |  |
| 40.0                            |                    | 40.1              |                  | 40.2                    |  |
| 40.3                            |                    | 40.4              |                  | 40.5                    |  |
| 40.6                            |                    | 40.7              |                  | 40.8                    |  |
| 40.9                            |                    | 41.0              |                  | 41.1                    |  |
| 41.2                            |                    | 41.3              |                  | 41.4                    |  |
| 41.5                            |                    | 41.6              |                  | 41.7                    |  |
| 41.8                            |                    | 41.9              |                  | 42.0                    |  |
| 42.1                            |                    | 42.2              |                  | 42.3                    |  |
| 42.4                            |                    | 42.5              |                  | 42.6                    |  |
| 42.7                            |                    | 42.8              |                  | 42.9                    |  |
| 43.0                            |                    | 43.1              |                  | 43.2                    |  |
| 43.3                            |                    | 43.4              |                  | 43.5                    |  |
| 43.6                            |                    | 43.7              |                  | 43.8                    |  |
| 43.9                            |                    | 44.0              |                  | 44.1                    |  |
| 44.2                            |                    | 44.3              |                  | 44.4                    |  |
| 44.5                            |                    | 44.6              |                  | 44.7                    |  |
| 44.8                            |                    | 44.9              |                  | 45.0                    |  |
| 45.1                            |                    | 45.2              |                  | 45.3                    |  |
| 45.4                            |                    | 45.5              |                  | 45.6                    |  |
| 45.7                            |                    | 45.8              |                  | 45.9                    |  |
| 46.0                            |                    | 46.1              |                  | 46.2                    |  |
| 46.3                            |                    | 46.4              |                  | 46.5                    |  |
| 46.6                            |                    | 46.7              |                  | 46.8                    |  |
| 46.9                            |                    | 47.0              |                  | 47.1                    |  |
| 47.2                            |                    | 47.3              |                  | 47.4                    |  |
| 47.5                            |                    | 47.6              |                  | 47.7                    |  |
| 47.8                            |                    | 47.9              |                  | 48.0                    |  |
| 48.1                            |                    | 48.2              |                  | 48.3                    |  |
| 48.4                            |                    | 48.5              |                  | 48.6                    |  |
| 48.7                            |                    | 48.8              |                  | 48.9                    |  |
| 49.0                            |                    | 49.1              |                  | 49.2                    |  |
| 49.3                            |                    | 49.4              |                  | 49.5                    |  |
| 49.6                            |                    | 49.7              |                  | 49.8                    |  |
| 49.9                            |                    | 50.0              |                  | 50.1                    |  |
| 50.2                            |                    | 50.3              |                  | 50.4                    |  |
| 50.5                            |                    | 50.6              |                  | 50.7                    |  |
| 50.8                            |                    | 50.9              |                  | 51.0                    |  |
| 51.1                            |                    | 51.2              |                  | 51.3                    |  |
| 51.4                            |                    | 51.5              |                  | 51.6                    |  |
| 51.7                            |                    | 51.8              |                  | 51.9                    |  |
| 52.0                            |                    | 52.1              |                  | 52.2                    |  |
| 52.3                            |                    | 52.4              |                  | 52.5                    |  |
| 52.6                            |                    | 52.7              |                  | 52.8                    |  |
| 52.9                            |                    | 53.0              |                  | 53.1                    |  |
| 53.2                            |                    | 53.3              |                  | 53.4                    |  |
| 53.5                            |                    | 53.6              |                  | 53.7                    |  |
| 53.8                            |                    | 53.9              |                  | 54.0                    |  |
| 54.1                            |                    | 54.2              |                  | 54.3                    |  |
| 54.4                            |                    | 54.5              |                  | 54.6                    |  |
| 54.7                            |                    | 54.8              |                  | 54.9                    |  |
| 55.0                            |                    | 55.1              |                  | 55.2                    |  |
| 55.3                            |                    | 55.4              |                  | 55.5                    |  |
| 55.6                            |                    | 55.7              |                  | 55.8                    |  |
| 55.9                            |                    | 56.0              |                  | 56.1                    |  |
| 56.2                            |                    | 56.3              |                  | 56.4                    |  |
| 56.5                            |                    | 56.6              |                  | 56.7                    |  |
| 56.8                            |                    | 56.9              |                  | 57.0                    |  |
| 57.1                            |                    | 57.2              |                  | 57.3                    |  |
| 57.4                            |                    | 57.5              |                  | 57.6                    |  |
| 57.7                            |                    | 57.8              |                  | 57.9                    |  |
| 58.0                            |                    | 58.1              |                  | 58.2                    |  |
| 58.3                            |                    | 58.4              |                  | 58.5                    |  |
| 58.6                            |                    | 58.7              |                  | 58.8                    |  |
| 58.9                            |                    | 59.0              |                  | 59.1                    |  |
| 59.2                            |                    | 59.3              |                  | 59.4                    |  |
| 59.5                            |                    | 59.6              |                  | 59.7                    |  |
| 59.8                            |                    | 59.9              |                  | 60.0                    |  |
| 60.1                            |                    | 60.2              |                  | 60.3                    |  |
| 60.4                            |                    | 60.5              |                  | 60.6                    |  |
| 60.7                            |                    | 60.8              |                  | 60.9                    |  |
| 61.0                            |                    | 61.1              |                  | 61.2                    |  |
| 61.3                            |                    | 61.4              |                  | 61.5                    |  |
| 61.6                            |                    | 61.7              |                  | 61.8                    |  |
| 61.9                            |                    | 62.0              |                  | 62.1                    |  |
| 62.2                            |                    | 62.3              |                  | 62.4                    |  |
| 62.5                            |                    | 62.6              |                  | 62.7                    |  |
| 62.8                            |                    | 62.9              |                  | 63.0                    |  |
| 63.1                            |                    | 63.2              |                  | 63.3                    |  |
| 63.4                            |                    | 63.5              |                  | 63.6                    |  |
| 63.7                            |                    | 63.8              |                  | 63.9                    |  |
| 64.0                            |                    | 64.1              |                  | 64.2                    |  |
| 64.3                            |                    | 64.4              |                  | 64.5                    |  |
| 64.6                            |                    | 64.7              |                  | 64.8                    |  |
| 64.9                            |                    | 65.0              |                  | 65.1                    |  |
| 65.2                            |                    | 65.3              |                  | 65.4                    |  |
| 65.5                            |                    | 65.6              |                  | 65.7                    |  |
| 65.8                            |                    | 65.9              |                  | 66.0                    |  |
| 66.1                            |                    | 66.2              |                  | 66.3                    |  |
| 66.4                            |                    | 66.5              |                  | 66.6                    |  |
| 66.7                            |                    | 66.8              |                  | 66.9                    |  |
| 67.0                            |                    | 67.1              |                  | 67.2                    |  |
| 67.3                            |                    | 67.4              |                  | 67.5                    |  |
| 67.6                            |                    | 67.7              |                  | 67.8                    |  |
| 67.9                            |                    | 68.0              |                  | 68.1                    |  |
| 68.2                            |                    | 68.3              |                  | 68.4                    |  |
| 68.5                            |                    | 68.6              |                  | 68.7                    |  |
| 68.8                            |                    | 68.9              |                  | 69.0                    |  |
| 69.1                            |                    | 69.2              |                  | 69.3                    |  |
| 69.4                            |                    | 69.5              |                  | 69.6                    |  |
| 69.7                            |                    | 69.8              |                  | 69.9                    |  |
| 70.0                            |                    | 70.1              |                  | 70.2                    |  |
| 70.3                            |                    | 70.4              |                  | 70.5                    |  |
| 70.6                            |                    | 70.7              |                  | 70.8                    |  |
| 70.9                            |                    | 71.0              |                  | 71.1                    |  |
| 71.2                            |                    | 71.3              |                  | 71.4                    |  |
| 71.5                            |                    | 71.6              |                  | 71.7                    |  |
| 71.8                            |                    | 71.9              |                  | 72.0                    |  |
| 72.1                            |                    | 72.2              |                  | 72.3                    |  |
| 72.4                            |                    | 72.5              |                  | 72.6                    |  |
| 72.7                            |                    | 72.8              |                  | 72.9                    |  |
| 73.0                            |                    | 73.1              |                  | 73.2                    |  |
| 73.3                            |                    | 73.4              |                  | 73.5                    |  |
| 73.6                            |                    | 73.7              |                  | 73.8                    |  |
| 73.9                            |                    | 74.0              |                  | 74.1                    |  |
| 74.2                            |                    | 74.3              |                  | 74.4                    |  |
| 74.5                            |                    | 74.6              |                  | 74.7                    |  |
| 74.8                            |                    | 74.9              |                  | 75.0                    |  |
| 75.1                            |                    | 75.2              |                  | 75.3                    |  |
| 75.4                            |                    | 75.5              |                  | 75.6                    |  |
| 75.7                            |                    | 75.8              |                  | 75.9                    |  |
| 76.0                            |                    | 76.1              |                  | 76.2                    |  |
| 76.3                            |                    | 76.4              |                  | 76.5                    |  |
| 76.6                            |                    | 76.7              |                  | 76.8                    |  |
| 76.9                            |                    | 77.0              |                  | 77.1                    |  |
| 77.2                            |                    | 77.3              |                  | 77.4                    |  |
| 77.5                            |                    | 77.6              |                  | 77.7                    |  |
| 77.8                            |                    | 77.9              |                  | 78.0                    |  |
| 78.1                            |                    | 78.2              |                  | 78.3                    |  |
| 78.4                            |                    | 78.5              |                  | 78.6                    |  |
| 78.7                            |                    | 78.8              |                  | 78.9                    |  |
| 79.0                            |                    | 79.1              |                  | 79.2                    |  |
| 79.3                            |                    | 79.4              |                  | 79.5                    |  |
| 79.6                            |                    | 79.7              |                  | 79.8                    |  |
| 79.9                            |                    | 80.0              |                  | 80.1                    |  |
| 80.2                            |                    | 80.3              |                  | 80.4                    |  |
| 80.5                            |                    | 80.6              |                  | 80.7                    |  |
| 80.8                            |                    | 80.9              |                  | 81.0                    |  |
| 81.1                            |                    | 81.2              |                  | 81.3                    |  |
| 81.4                            |                    | 81.5              |                  | 81.6                    |  |
| 81.7                            |                    | 81.8              |                  | 81.9                    |  |
| 82.0                            |                    | 82.1              |                  | 82.2                    |  |
| 82.3                            |                    | 82.4              |                  | 82.5                    |  |
| 82.6                            |                    | 82.7              |                  | 82.8                    |  |
| 82.9                            |                    | 83.0              |                  | 83.1                    |  |
| 83.2                            |                    | 83.3              |                  | 83.4                    |  |
| 83.5                            |                    | 83.6              |                  | 83.7                    |  |
| 83.8                            |                    | 83.9              |                  | 84.0                    |  |
| 84.1                            |                    | 84.2              |                  | 84.3                    |  |
| 84.4                            |                    | 84.5              |                  | 84.6                    |  |
| 84.7                            |                    | 84.8              |                  | 84.9                    |  |
| 85.0                            |                    | 85.1              |                  | 85.2                    |  |
| 85.3                            |                    | 85.4              |                  | 85.5                    |  |
| 85.6                            |                    | 85.7              |                  | 85.8                    |  |
| 85.9                            |                    | 86.0              |                  | 86.1                    |  |
| 86.2                            |                    | 86.3              |                  | 86.4                    |  |
| 86.5                            |                    | 86.6              |                  | 86.7                    |  |
| 86.8                            |                    | 86.9              |                  | 87.0                    |  |
| 87                              |                    |                   |                  |                         |  |