

### TECHNICAL SERVICE BULLETIN

#### Tempra® table of flow rates at temperature rises above inlet water temp.

|                           |                     | Hot water flow rate [ GPM ]        |      |      |      |      |      | Hot water flow rate [ l/m ]       |       |       |       |      |      |
|---------------------------|---------------------|------------------------------------|------|------|------|------|------|-----------------------------------|-------|-------|-------|------|------|
|                           |                     | Hot water outlet temperature 105°F |      |      |      |      |      | Hot water outlet temperature 40°C |       |       |       |      |      |
|                           |                     | Cold water inlet temp.             |      | 39°F | 59°F | 77°F | 95°F | 113°F                             | 131°F | 4°C   | 15°C  | 25°C | 35°C |
| Tempra 12 Trend / 12 Plus | 9 kW @ 208 V        | 0.95                               | 1.36 | 2.27 | 6.61 | -    | -    | 3.58                              | 5.16  | 8.59  | 25.00 | -    | -    |
|                           | 12 kW @ 220-240 V   | 1.26                               | 1.82 | 3.03 | 6.61 | -    | -    | 4.77                              | 6.87  | 11.46 | 25.00 | -    | -    |
| Tempra 15 Trend / 15 Plus | 10.8 kW @ 208 V     | 1.14                               | 1.63 | 2.72 | 6.61 | -    | -    | 4.30                              | 6.19  | 10.31 | 25.00 | -    | -    |
|                           | 14.4 kW @ 220-240 V | 1.51                               | 2.18 | 3.63 | 6.61 | -    | -    | 5.73                              | 8.25  | 13.75 | 25.00 | -    | -    |
| Tempra 20 Trend / 20 Plus | 14.4 kW @ 208 V     | 1.51                               | 2.18 | 3.63 | 6.61 | -    | -    | 5.73                              | 8.25  | 13.75 | 25.00 | -    | -    |
|                           | 19.2 kW @ 220-240 V | 2.02                               | 2.91 | 4.84 | 6.61 | -    | -    | 7.64                              | 11.00 | 18.33 | 25.00 | -    | -    |
| Tempra 24 Trend / 24 Plus | 18 kW @ 208 V       | 1.89                               | 2.72 | 4.54 | 6.61 | -    | -    | 7.16                              | 10.31 | 17.18 | 25.00 | -    | -    |
|                           | 24 kW @ 220-240 V   | 2.52                               | 3.63 | 6.05 | 6.61 | -    | -    | 9.55                              | 13.75 | 22.91 | 25.00 | -    | -    |
| Tempra 29 Trend / 29 Plus | 21.6 kW @ 208 V     | 2.27                               | 3.27 | 5.45 | 6.61 | -    | -    | 8.59                              | 12.37 | 20.62 | 25.00 | -    | -    |
|                           | 28.8 kW @ 220-240 V | 3.03                               | 4.36 | 6.61 | 6.61 | -    | -    | 11.46                             | 16.50 | 25.00 | 25.00 | -    | -    |
| Tempra 36 Trend / 36 Plus | 27 kW @ 208 V       | 2.84                               | 4.09 | 6.61 | 6.61 | -    | -    | 10.74                             | 15.47 | 25.00 | 25.00 | -    | -    |
|                           | 36 kW @ 220-240 V   | 3.78                               | 5.45 | 6.61 | 6.61 | -    | -    | 14.32                             | 20.62 | 25.00 | 25.00 | -    | -    |

|                           |                     | Hot water flow rate [ GPM ]        |      |      |      |      |      | Hot water flow rate [ l/m ]       |       |       |       |       |      |
|---------------------------|---------------------|------------------------------------|------|------|------|------|------|-----------------------------------|-------|-------|-------|-------|------|
|                           |                     | Hot water outlet temperature 113°F |      |      |      |      |      | Hot water outlet temperature 45°C |       |       |       |       |      |
|                           |                     | Cold water inlet temp.             |      | 39°F | 59°F | 77°F | 95°F | 113°F                             | 131°F | 4°C   | 15°C  | 25°C  | 35°C |
| Tempra 12 Trend / 12 Plus | 9 kW @ 208 V        | 0.83                               | 1.14 | 1.70 | 3.41 | 6.61 | -    | 3.14                              | 4.30  | 6.44  | 12.89 | 25.00 | -    |
|                           | 12 kW @ 220-240 V   | 1.11                               | 1.51 | 2.27 | 4.54 | 6.61 | -    | 4.19                              | 5.73  | 8.59  | 17.18 | 25.00 | -    |
| Tempra 15 Trend / 15 Plus | 10.8 kW @ 208 V     | 1.00                               | 1.36 | 2.04 | 4.09 | 6.61 | -    | 3.77                              | 5.16  | 7.73  | 15.47 | 25.00 | -    |
|                           | 14.4 kW @ 220-240 V | 1.33                               | 1.82 | 2.72 | 5.45 | 6.61 | -    | 5.03                              | 6.87  | 10.31 | 20.62 | 25.00 | -    |
| Tempra 20 Trend / 20 Plus | 14.4 kW @ 208 V     | 1.33                               | 1.82 | 2.72 | 5.45 | 6.61 | -    | 5.03                              | 6.87  | 10.31 | 20.62 | 25.00 | -    |
|                           | 19.2 kW @ 220-240 V | 1.77                               | 2.45 | 3.63 | 6.61 | 6.61 | -    | 6.71                              | 9.16  | 13.75 | 25.00 | 25.00 | -    |
| Tempra 24 Trend / 24 Plus | 18 kW @ 208 V       | 1.66                               | 2.27 | 3.41 | 6.61 | 6.61 | -    | 6.29                              | 8.59  | 12.89 | 25.00 | 25.00 | -    |
|                           | 24 kW @ 220-240 V   | 2.21                               | 3.03 | 4.54 | 6.61 | 6.61 | -    | 8.38                              | 11.46 | 17.18 | 25.00 | 25.00 | -    |
| Tempra 29 Trend / 29 Plus | 21.6 kW @ 208 V     | 1.99                               | 2.72 | 4.09 | 6.61 | 6.61 | -    | 7.54                              | 10.31 | 15.47 | 25.00 | 25.00 | -    |
|                           | 28.8 kW @ 220-240 V | 2.66                               | 3.63 | 5.45 | 6.61 | 6.61 | -    | 10.06                             | 13.75 | 20.62 | 25.00 | 25.00 | -    |
| Tempra 36 Trend / 36 Plus | 27 kW @ 208 V       | 2.49                               | 3.41 | 5.11 | 6.61 | 6.61 | -    | 9.43                              | 12.89 | 19.33 | 25.00 | 25.00 | -    |
|                           | 36 kW @ 220-240 V   | 3.32                               | 4.54 | 6.61 | 6.61 | 6.61 | -    | 12.57                             | 17.18 | 25.00 | 25.00 | 25.00 | -    |

|                           |                     | Hot water flow rate [ GPM ]        |      |      |      |      |      | Hot water flow rate [ l/m ]       |       |       |       |       |       |
|---------------------------|---------------------|------------------------------------|------|------|------|------|------|-----------------------------------|-------|-------|-------|-------|-------|
|                           |                     | Hot water outlet temperature 140°F |      |      |      |      |      | Hot water outlet temperature 60°C |       |       |       |       |       |
|                           |                     | Cold water inlet temp.             |      | 39°F | 59°F | 77°F | 95°F | 113°F                             | 131°F | 4°C   | 15°C  | 25°C  | 35°C  |
| Tempra 12 Trend / 12 Plus | 9 kW @ 208 V        | 0.61                               | 0.76 | 0.97 | 1.36 | 2.27 | 6.61 | 2.30                              | 2.86  | 3.68  | 5.16  | 8.59  | 25.00 |
|                           | 12 kW @ 220-240 V   | 0.81                               | 1.01 | 1.30 | 1.82 | 3.03 | 6.61 | 3.07                              | 3.82  | 4.91  | 6.87  | 11.46 | 25.00 |
| Tempra 15 Trend / 15 Plus | 10.8 kW @ 208 V     | 0.73                               | 0.91 | 1.17 | 1.63 | 2.72 | 6.61 | 2.76                              | 3.44  | 4.42  | 6.19  | 10.31 | 25.00 |
|                           | 14.4 kW @ 220-240 V | 0.97                               | 1.21 | 1.56 | 2.18 | 3.63 | 6.61 | 3.68                              | 4.58  | 5.89  | 8.25  | 13.75 | 25.00 |
| Tempra 20 Trend / 20 Plus | 14.4 kW @ 208 V     | 0.97                               | 1.21 | 1.56 | 2.18 | 3.63 | 6.61 | 3.68                              | 4.58  | 5.89  | 8.25  | 13.75 | 25.00 |
|                           | 19.2 kW @ 220-240 V | 1.30                               | 1.61 | 2.08 | 2.91 | 4.84 | 6.61 | 4.91                              | 6.11  | 7.86  | 11.00 | 18.33 | 25.00 |
| Tempra 24 Trend / 24 Plus | 18 kW @ 208 V       | 1.22                               | 1.51 | 1.95 | 2.72 | 4.54 | 6.61 | 4.60                              | 5.73  | 7.36  | 10.31 | 17.18 | 25.00 |
|                           | 24 kW @ 220-240 V   | 1.62                               | 2.02 | 2.59 | 3.63 | 6.05 | 6.61 | 6.14                              | 7.64  | 9.82  | 13.75 | 22.91 | 25.00 |
| Tempra 29 Trend / 29 Plus | 21.6 kW @ 208 V     | 1.46                               | 1.82 | 2.33 | 3.27 | 5.45 | 6.61 | 5.52                              | 6.87  | 8.84  | 12.37 | 20.62 | 25.00 |
|                           | 28.8 kW @ 220-240 V | 1.95                               | 2.42 | 3.11 | 4.36 | 6.61 | 6.61 | 7.36                              | 9.16  | 11.78 | 16.50 | 25.00 | 25.00 |
| Tempra 36 Trend / 36 Plus | 27 kW @ 208 V       | 1.82                               | 2.27 | 2.92 | 4.09 | 6.61 | 6.61 | 6.90                              | 8.59  | 11.05 | 15.47 | 25.00 | 25.00 |
|                           | 36 kW @ 220-240 V   | 2.43                               | 3.03 | 3.89 | 5.45 | 6.61 | 6.61 | 9.21                              | 11.46 | 14.73 | 20.62 | 25.00 | 25.00 |