



## RSP-2 Performance Table

| Model | RPM   | Q      |       | H<br>(m) | Motor |      | Inlet & Outlet | Max.Solids<br>(mm) | Max.Suction<br>Head (m) |
|-------|-------|--------|-------|----------|-------|------|----------------|--------------------|-------------------------|
|       |       | (m³/h) | (l/s) |          | (kW)  | (HP) |                |                    |                         |
| RSP-2 | 1150  | 15     | 4.2   | 4.0      | 1.1   | 1.5  | 50<br>(2')     | 38                 | 5.0                     |
|       | 1450* | 20     | 5.6   | 6.5      | 1.5   | 2    |                |                    | 6.5                     |
|       | 1750  | 25     | 6.9   | 9.5      | 3     | 4    |                |                    | 6.5                     |
|       | 2050  | 28     | 7.8   | 13.5     | 4     | 5.5  |                |                    | 6.5                     |
|       | 2350  | 32     | 8.9   | 18.0     | 7.5   | 10   |                |                    | 6.5                     |
|       | 2650  | 35     | 9.7   | 23.0     | 7.5   | 10   |                |                    | 6.5                     |
|       | 2900* | 40     | 11.1  | 27.0     | 9.2   | 12.5 |                |                    | 6.5                     |

## RSP-2 Operating Table

| Model | RPM   | Q<br>(m³/h) | H (m) |      |      |      |      |      |      |      |      |      |  |  |  |
|-------|-------|-------------|-------|------|------|------|------|------|------|------|------|------|--|--|--|
|       |       |             | 10    | 12.5 | 15   | 17.5 | 20   | 25   | 30   | 35   | 40   | 45   |  |  |  |
| RSP-2 | 1150  | H<br>(m)    | 5.1   | 4.7  | 4.0  | 3.8  | 3.5  |      |      |      |      |      |  |  |  |
|       | 1450* |             | 8.4   | 8.1  | 7.6  | 7.3  | 6.5  | 5.8  |      |      |      |      |  |  |  |
|       | 1750  |             | 12.6  | 12.2 | 11.8 | 11.3 | 10.8 | 9.5  | 8.5  |      |      |      |  |  |  |
|       | 2050  |             | 17.9  | 17.2 | 16.7 | 16.1 | 15.5 | 14.5 | 13.2 | 11.6 |      |      |  |  |  |
|       | 2350  |             |       | 23.2 | 22.5 | 21.8 | 21.2 | 19.9 | 18.6 | 17.2 | 15.3 |      |  |  |  |
|       | 2650  |             |       | 30.1 | 29.2 | 28.4 | 27.6 | 26.2 | 24.8 | 23.0 | 21.6 | 19.4 |  |  |  |
|       | 2900* |             |       |      | 35.6 | 34.5 | 33.7 | 32.1 | 30.4 | 29   | 27.0 | 25.3 |  |  |  |

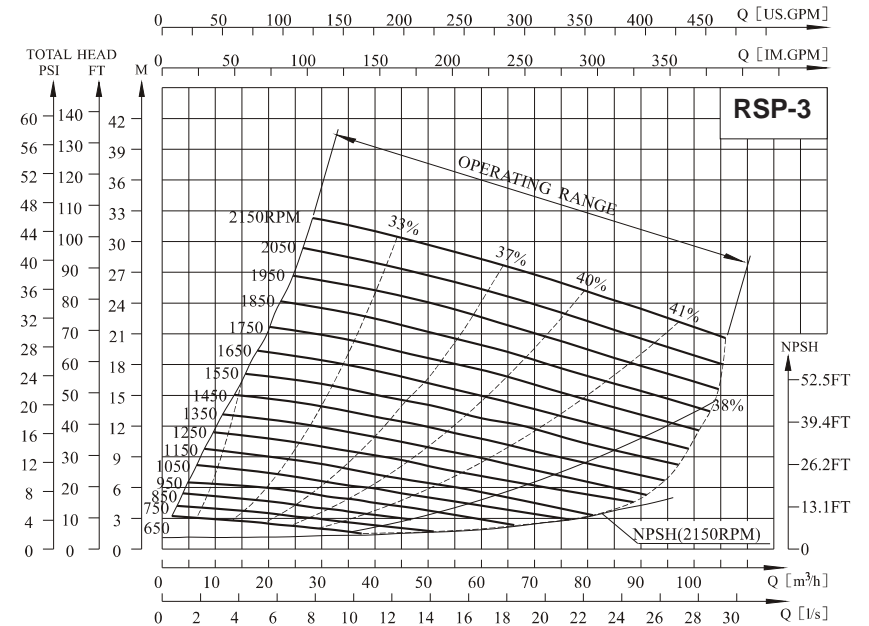
## Note: ( Suit for RSP-1, 3, 4, 6, 8, 10 )

1)The performance is based on pumping clean water under normal temperature and min suction head is measured on sea level. For different installation way of pump, pump performance vary from flow rate, specific gravity, altitude, temperature. If the specific gravity of pumped medium is bigger than 1.2kg/dm<sup>3</sup>, please contact us.

- 2)For the rpm with '\*' in the table, pump can be coupled with Y2 B3 series standard motor.
- 3)For other rpm, pump can be driven by triangle belt sheave.



## Performance curve





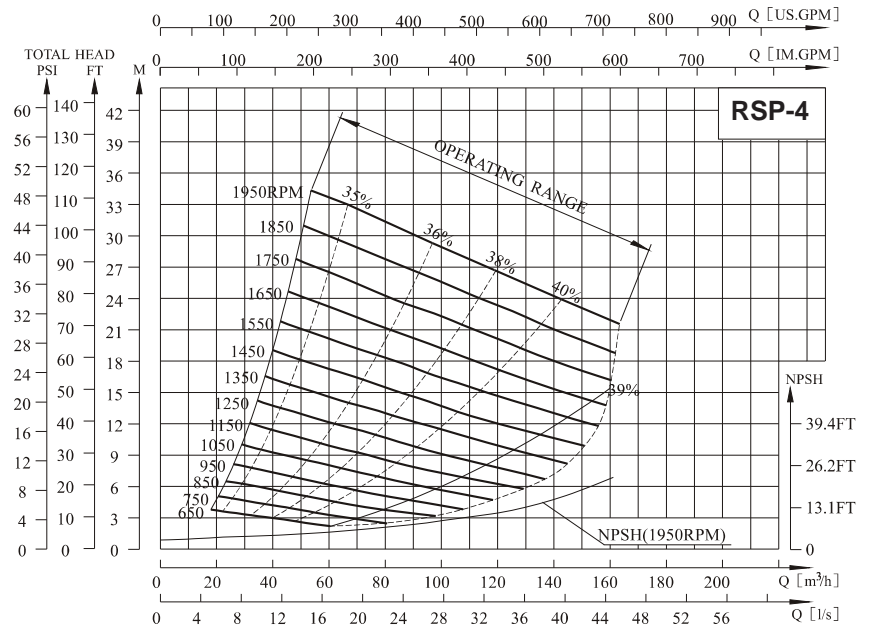
## RSP-3 Performance Table

| Model | RPM   | Q      |       | H (m) | Motor |      | Inlet & Outlet | Max.Solids (mm) | Max.Suction Head (m) |
|-------|-------|--------|-------|-------|-------|------|----------------|-----------------|----------------------|
|       |       | (m³/h) | (l/s) |       | (kW)  | (HP) |                |                 |                      |
| RSP-3 | 650   | 25     | 6.9   | 2     | 0.75  | 1    | 80 (3')        | 63              | 1.5                  |
|       | 750*  | 30     | 8.3   | 3     | 1.5   | 2    |                |                 | 1.8                  |
|       | 850   | 32.5   | 9.0   | 4     | 1.5   | 2    |                |                 | 2.4                  |
|       | 950*  | 40     | 11.1  | 4.5   | 1.5   | 2    |                |                 | 3.0                  |
|       | 1050  | 42.5   | 11.8  | 5.5   | 3     | 4    |                |                 | 4.0                  |
|       | 1150  | 45     | 12.5  | 7     | 4     | 5.5  |                |                 | 4.9                  |
|       | 1250  | 50     | 13.9  | 8     | 4     | 5.5  |                |                 | 5.5                  |
|       | 1350  | 52.5   | 14.6  | 10    | 5.5   | 7.5  |                |                 | 5.8                  |
|       | 1450* | 55     | 15.3  | 11.5  | 5.5   | 7.5  |                |                 | 6.4                  |
|       | 1550  | 60     | 16.7  | 12.5  | 7.5   | 10   |                |                 | 6.4                  |
|       | 1650  | 65     | 18.1  | 14.5  | 11    | 15   |                |                 | 6.7                  |
|       | 1750  | 70     | 19.4  | 16    | 11    | 15   |                |                 | 6.7                  |
|       | 1850  | 72.5   | 20.1  | 18    | 15    | 20   |                |                 | 7.6                  |
|       | 1950  | 75     | 20.8  | 20    | 15    | 20   |                |                 | 7.6                  |
|       | 2050  | 80     | 22.2  | 22.5  | 18.5  | 25   |                |                 | 7.6                  |
|       | 2150  | 85     | 23.6  | 24.5  | 18.5  | 25   |                |                 | 7.6                  |

## RSP-3 Operating Table

| Model | RPM   | Q (m³/h) | H (m) |      |      |      |      |      |      |      |      |      |      |  |  |  |
|-------|-------|----------|-------|------|------|------|------|------|------|------|------|------|------|--|--|--|
|       |       |          | 10    | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90   | 100  |      |  |  |  |
| RSP-3 | 650   |          | 2.9   | 2.5  | 2.0  |      |      |      |      |      |      |      |      |  |  |  |
|       | 750*  |          | 3.9   | 3.5  | 3.0  | 2.3  |      |      |      |      |      |      |      |  |  |  |
|       | 850   |          | 5.2   | 4.7  | 3.9  | 3.4  |      |      |      |      |      |      |      |  |  |  |
|       | 950*  |          | 6.4   | 6.0  | 5.2  | 4.5  | 3.8  |      |      |      |      |      |      |  |  |  |
|       | 1050  |          | 7.9   | 7.4  | 6.7  | 5.9  | 5.0  | 4.3  |      |      |      |      |      |  |  |  |
|       | 1150  |          | 9.7   | 9.0  | 8.3  | 7.4  | 6.5  | 5.6  |      |      |      |      |      |  |  |  |
|       | 1250  |          | 11.3  | 10.7 | 10.0 | 9.1  | 8.0  | 7.1  | 6.2  |      |      |      |      |  |  |  |
|       | 1350  |          |       | 12.6 | 11.9 | 11.0 | 10.0 | 9.0  | 7.7  |      |      |      |      |  |  |  |
|       | 1450* |          |       | 14.7 | 14.0 | 12.9 | 12.0 | 10.8 | 9.6  | 8.3  |      |      |      |  |  |  |
|       | 1550  |          |       | 16.8 | 16.1 | 15.1 | 14.0 | 12.5 | 11.7 | 10.4 | 9.1  |      |      |  |  |  |
|       | 1650  |          |       | 19.3 | 18.5 | 17.4 | 16.2 | 15.0 | 13.6 | 12.3 | 11.1 |      |      |  |  |  |
|       | 1750  |          |       |      | 20.9 | 19.7 | 18.7 | 17.5 | 16.0 | 14.5 | 13.2 | 11.8 |      |  |  |  |
|       | 1850  |          |       |      |      | 23.5 | 22.5 | 21.2 | 20.0 | 18.4 | 16.9 | 15.3 | 14.0 |  |  |  |
|       | 1950  |          |       |      |      | 26.2 | 25.3 | 24.1 | 22.7 | 21.0 | 19.6 | 17.9 | 16.4 |  |  |  |
|       | 2050  |          |       |      |      | 29.0 | 28.0 | 26.8 | 25.3 | 24.0 | 22.5 | 20.5 | 18.9 |  |  |  |
|       | 2150  |          |       |      |      | 32.1 | 31.0 | 29.7 | 28.2 | 26.8 | 25.1 | 23.4 | 21.7 |  |  |  |

## Performance curve





## RSP-4 Performance Table

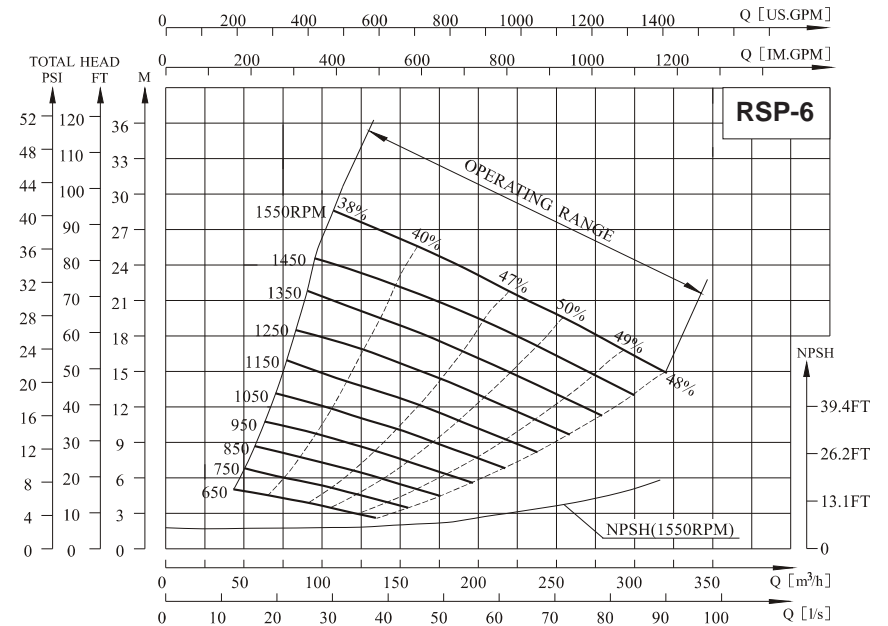
| Model | RPM   | Q                   |       | H (m) | Motor |      | Inlet & Outlet | Max.Solids (mm) | Max.Suction Head (m) |
|-------|-------|---------------------|-------|-------|-------|------|----------------|-----------------|----------------------|
|       |       | (m <sup>3</sup> /h) | (l/s) |       | (kW)  | (HP) |                |                 |                      |
| RSP-4 | 650   | 40                  | 11.1  | 3     | 1.5   | 2    | 100 (4')       | 76              | 1.5                  |
|       | 750*  | 45                  | 12.5  | 4     | 1.5   | 2    |                |                 | 2.4                  |
|       | 850   | 53                  | 14.7  | 5     | 2.2   | 3    |                |                 | 4.9                  |
|       | 950*  | 60                  | 16.7  | 6     | 3     | 4    |                |                 | 5.8                  |
|       | 1050  | 65                  | 18.1  | 7.5   | 5.5   | 7.5  |                |                 | 6.7                  |
|       | 1150  | 72                  | 20.0  | 9     | 5.5   | 7.5  |                |                 | 7.3                  |
|       | 1250  | 80                  | 22.2  | 10.5  | 7.5   | 10   |                |                 | 7.6                  |
|       | 1350  | 85                  | 23.6  | 12.5  | 11    | 15   |                |                 | 7.6                  |
|       | 1450* | 100                 | 27.8  | 13.5  | 11    | 15   |                |                 | 7.6                  |
|       | 1550  | 110                 | 30.6  | 15.5  | 15    | 20   |                |                 | 7.6                  |
|       | 1650  | 115                 | 31.9  | 18    | 18.5  | 25   |                |                 | 7.6                  |
|       | 1750  | 120                 | 33.3  | 20    | 22    | 30   |                |                 | 7.6                  |
|       | 1850  | 130                 | 36.1  | 22.5  | 30    | 40   |                |                 | 7.6                  |
| 1950  | 135   | 37.5                | 25    | 30    | 40    | 7.6  |                |                 |                      |

## RSP-4 Operating Table

| Model | RPM   | Q (m <sup>3</sup> /h) | H (m) |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |
|-------|-------|-----------------------|-------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|--|
|       |       |                       | 20    | 32   | 48   | 64   | 80   | 96   | 112  | 128  | 144  | 160  | 176 | 192 | 208 | 224 | 240 |  |
| RSP-4 | 650   |                       | 3.8   | 3.3  | 2.6  |      |      |      |      |      |      |      |     |     |     |     |     |  |
|       | 750*  |                       |       | 4.5  | 3.7  | 3.0  |      |      |      |      |      |      |     |     |     |     |     |  |
|       | 850   |                       |       | 6.0  | 5.3  | 4.5  | 3.5  |      |      |      |      |      |     |     |     |     |     |  |
|       | 950*  |                       |       | 7.5  | 6.5  | 5.7  | 5.0  |      |      |      |      |      |     |     |     |     |     |  |
|       | 1050  |                       |       | 9.7  | 8.7  | 7.8  | 6.8  | 5.9  |      |      |      |      |     |     |     |     |     |  |
|       | 1150  |                       |       | 11.9 | 10.8 | 9.9  | 8.8  | 7.6  |      |      |      |      |     |     |     |     |     |  |
|       | 1250  |                       |       | 14.2 | 13.2 | 12.0 | 10.8 | 9.5  | 8.4  |      |      |      |     |     |     |     |     |  |
|       | 1350  |                       |       | 16.7 | 15.7 | 14.3 | 13.1 | 11.8 | 10.5 |      |      |      |     |     |     |     |     |  |
|       | 1450* |                       |       |      | 18.0 | 16.5 | 15.5 | 14.0 | 12.5 | 11.5 |      |      |     |     |     |     |     |  |
|       | 1550  |                       |       |      | 20.9 | 19.8 | 18.3 | 16.9 | 15.4 | 13.8 | 12.6 |      |     |     |     |     |     |  |
|       | 1650  |                       |       |      | 24.3 | 22.9 | 21.1 | 19.8 | 18.1 | 16.3 | 15.0 |      |     |     |     |     |     |  |
|       | 1750  |                       |       |      | 27.6 | 26.2 | 24.4 | 22.9 | 21.3 | 19.3 | 17.5 | 16.2 |     |     |     |     |     |  |
|       | 1850  |                       |       |      | 31.0 | 29.8 | 27.7 | 26.1 | 24.4 | 22.5 | 20.5 | 18.7 |     |     |     |     |     |  |
| 1950  |       |                       |       | 34.5 | 33.4 | 31.5 | 29.4 | 27.7 | 25.7 | 23.5 | 21.7 |      |     |     |     |     |     |  |



## Performance curve





## RSP-6 Performance Table

| Model | RPM   | Q      |       | H<br>(m) | Motor |      | Inlet & Outlet | Max.Solids<br>(mm) | Max.Suction<br>Head (m) |
|-------|-------|--------|-------|----------|-------|------|----------------|--------------------|-------------------------|
|       |       | (m³/h) | (l/s) |          | (kW)  | (HP) |                |                    |                         |
| RSP-6 | 650   | 100    | 27.8  | 3.5      | 3     | 4    | 150<br>(6')    | 76                 | 2.4                     |
|       | 750*  | 125    | 34.7  | 4.5      | 4     | 5.5  |                |                    | 2.7                     |
|       | 850   | 150    | 41.7  | 5.5      | 7.5   | 10   |                |                    | 3.6                     |
|       | 950*  | 160    | 44.4  | 7.5      | 7.5   | 10   |                |                    | 4.2                     |
|       | 1050  | 180    | 50.0  | 9.0      | 11    | 15   |                |                    | 5.5                     |
|       | 1150  | 200    | 55.6  | 10.0     | 15    | 20   |                |                    | 6.4                     |
|       | 1250  | 220    | 61.1  | 12.5     | 22    | 30   |                |                    | 6.4                     |
|       | 1350  | 230    | 63.9  | 15.0     | 30    | 40   |                |                    | 6.7                     |
|       | 1450* | 250    | 69.4  | 17.0     | 30    | 40   |                |                    | 7.0                     |
| 1550  | 280   | 77.8   | 18.0  | 37       | 50    | 7.6  |                |                    |                         |

## RSP-6 Operating Table

| Model | RPM   | Q<br>(m³/h) | H (m) |      |      |      |      |      |      |      |     |  |  |  |  |
|-------|-------|-------------|-------|------|------|------|------|------|------|------|-----|--|--|--|--|
|       |       |             | 50    | 80   | 120  | 150  | 180  | 210  | 240  | 270  | 300 |  |  |  |  |
| RSP-6 | 650   | H<br>(m)    | 5.0   | 4.2  | 3.1  |      |      |      |      |      |     |  |  |  |  |
|       | 750*  |             | 6.0   | 4.7  | 3.6  |      |      |      |      |      |     |  |  |  |  |
|       | 850   |             | 8.0   | 7.0  | 5.5  |      |      |      |      |      |     |  |  |  |  |
|       | 950*  |             | 11.0  | 9.5  | 7.5  | 6.8  |      |      |      |      |     |  |  |  |  |
|       | 1050  |             | 13.0  | 11.0 | 10.0 | 9.0  | 7.5  |      |      |      |     |  |  |  |  |
|       | 1150  |             | 16.0  | 14.0 | 12.8 | 11.2 | 10.0 | 8.0  |      |      |     |  |  |  |  |
|       | 1250  |             |       | 17.0 | 15.5 | 14.0 | 12.7 | 10.5 |      |      |     |  |  |  |  |
|       | 1350  |             |       | 20.5 | 19.0 | 17.5 | 15.5 | 14.0 | 12.0 |      |     |  |  |  |  |
|       | 1450* |             |       | 24.0 | 22.0 | 21.0 | 19.0 | 17.0 | 15.0 | 13.0 |     |  |  |  |  |
| 1550  |       | 28.0        | 26.0  | 24.5 | 22.7 | 20.5 | 18.5 | 16.5 |      |      |     |  |  |  |  |



## Performance curve

