

## Aeration and Mixing Performance

| Model  | Output | Discharge Water Volume | Airflow Range                | Reference Performance        |                      | Necessary Blowing Pressure at Air Supply Connection Port | Applicable Tank Size |                   |                          | Main Body Weight | Inlet Stand Weight |
|--------|--------|------------------------|------------------------------|------------------------------|----------------------|--|----------------------|-------------------|--------------------------|------------------|--------------------|
|        |        |                        |                              | Airflow                      | Oxygen Transfer Rate |  | Max. Volume          | Max. Surface Area | Max. Length of Rectangle |                  |                    |
|        | kW     | m <sup>3</sup> /min    | m <sup>3</sup> /min (Normal) | m <sup>3</sup> /min (Normal) | kgO <sub>2</sub> /h  | kPa (mmAg)   | m <sup>3</sup>       | m <sup>2</sup>    | m                        | kg               | kg                 |
| SJ8    | 0.75   | 7                      | 0.4~ 1.6                     | 1.0                          | 3.3                  | Installation water depth+1.0 (+100)                      | 130                  | 24                | 6.7                      | 140              | 13                 |
| SJ15   | 1.5    | 9                      | 0.6~ 3.0                     | 1.6                          | 6.0                  | Installation water depth+2.0 (+200)                      | 280                  | 52                | 8.1                      | 190              | 18                 |
| SJ22   | 2.2    | 11                     | 0.9~ 4.1                     | 2.4                          | 9.0                  | Installation water depth+2.5 (+250)                      | 460                  | 85                | 9.5                      | 220              | 18                 |
| SJ37   | 3.7    | 17                     | 1.1~ 6.8                     | 3.8                          | 14.4                 | Installation water depth+3.5 (+350)                      | 670                  | 124               | 12.8                     | 250              | 22                 |
| SJ55   | 5.5    | 28                     | 1.6~ 9.7                     | 5.6                          | 21.4                 | Installation water depth+2.5 (+250)                      | 1,000                | 185               | 14.3                     | 330              | 32                 |
| SJ75   | 7.5    | 39                     | 3.2~12.9                     | 7.5                          | 28.9                 | Installation water depth+3.0 (+300)                      | 1,400                | 260               | 17.5                     | 560              | 52                 |
| SJL22  | 2.2    | 13                     | 0.9~ 4.1                     | 2.4                          | 8.2                  | Installation water depth+1.5 (+150)                      | 460                  | 85                | 9.5                      | 250              | 18                 |
| SJL37  | 3.7    | 21                     | 1.1~ 6.8                     | 3.8                          | 13.8                 | Installation water depth+2.0 (+200)                      | 670                  | 124               | 12.8                     | 330              | 23                 |
| SJL55  | 5.5    | 34                     | 1.6~ 9.7                     | 5.6                          | 20.0                 | Installation water depth+2.0 (+200)                      | 1,000                | 185               | 14.3                     | 640              | 33                 |
| SJL75  | 7.5    | 47                     | 3.2~12.9                     | 7.5                          | 27.5                 | Installation water depth+2.5 (+250)                      | 1,400                | 260               | 17.5                     | 900              | 53                 |
| SJL110 | 11     | 70                     | 4.3~19.3                     | 11.8                         | 42.5                 | Installation water depth+1.5 (+150)                      | 2,000                | 370               | 21.2                     | 1,250            | 80                 |
| SJL150 | 15     | 95                     | 6.4~25.8                     | 16.1                         | 58.1                 | Installation water depth+1.5 (+150)                      | 2,700                | 500               | 24.6                     | 1,550            | 84                 |
| SJL220 | 22     | 140                    | 8.6~40.8                     | 24.7                         | 85.0                 | Installation water depth+1.0 (+100)                      | 4,000                | 740               | 30.0                     | 3,100            | 146                |
| SJL300 | 30     | 190                    | 12.9~53.7                    | 33.3                         | 112.0                | Installation water depth+0.5 (+50)                       | 5,500                | 1,020             | 35.0                     | 4,200            | 206                |
| SU15   | 1.5    | 9                      | 0.6~ 3.2                     | 1.6                          | 6.0                  | Installation water depth+3.0 (+300)                      | 250                  | 46                | 7.5                      | 175              | 12                 |
| SU22   | 2.2    | 11                     | 0.4~ 4.6                     | 2.4                          | 9.2                  | Installation water depth+4.0 (+400)                      | 350                  | 65                | 8.8                      | 195              | 12                 |
| SU37   | 3.7    | 17                     | 1.1~ 7.5                     | 4.3                          | 15.7                 | Installation water depth+5.0 (+500)                      | 600                  | 110               | 11.5                     | 230              | 15                 |
| SU55   | 5.5    | 28                     | 1.6~10.7                     | 6.4                          | 23.6                 | Installation water depth+5.0 (+500)                      | 900                  | 165               | 13.9                     | 320              | 20                 |
| SU75   | 7.5    | 39                     | 3.2~14.5                     | 8.6                          | 31.6                 | Installation water depth+6.0 (+600)                      | 1,250                | 230               | 16.5                     | 360              | 32                 |
| SU110  | 11     | 55                     | 5.4~21.5                     | 11.8                         | 45.0                 | Installation water depth+5.0 (+500)                      | 1,800                | 330               | 20.0                     | 700              | 52                 |
| SU150  | 15     | 75                     | 6.4~25.8                     | 16.1                         | 62.5                 | Installation water depth+7.5 (+750)                      | 2,400                | 440               | 23.0                     | 1,000            | 55                 |

Note: The performance values are achievable in clear water at 20°C with a dissolved oxygen concentration of 0 mg/L, with a variation of ±10% depending on the measurement conditions. They need to be corrected according to type, temperature and dissolved oxygen concentration of the water in the aeration tank. The values of the adaptive tank are available when the sludge concentration is 5,000 mg/L. The airflow rate corresponds to the standard condition.

(Standard condition: Temperature of 20°C, atmospheric pressure [absolute pressure of 101.3kPa], relative humidity 65%)

Values in { } are informative.