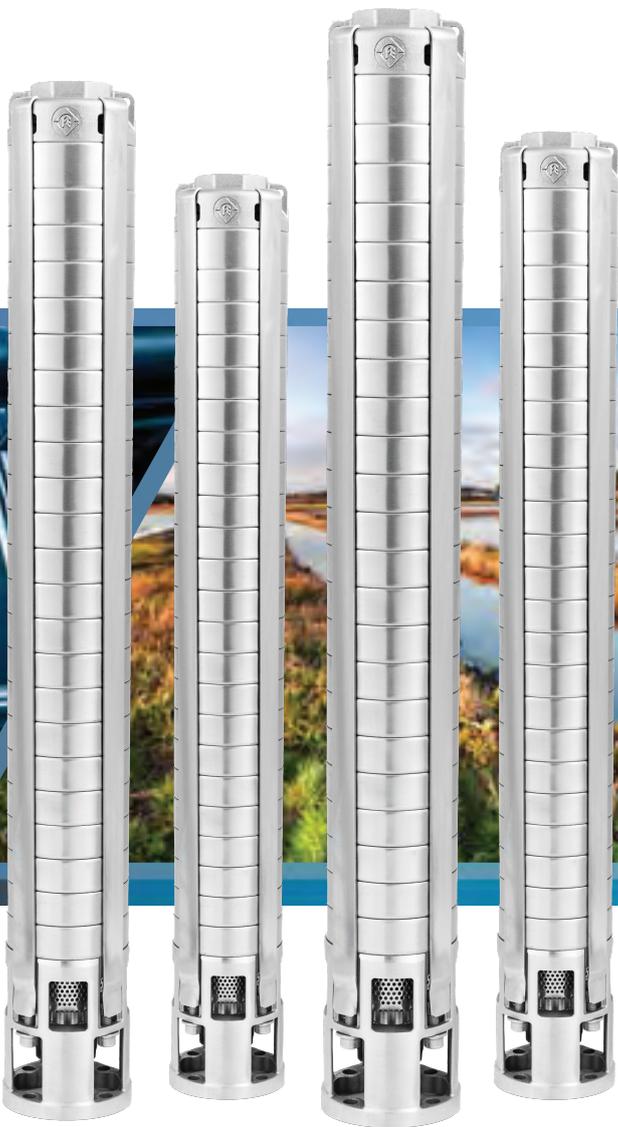




**Franklin Electric**



**50 Hz SSI SERIES**  
4" Submersible Pumps

## SSI 4" PUMP SERIES

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# 4" SSI SERIES

Engineered for excellence, our 4" stainless steel borehole pump is your reliable water extraction solution for tough environment. Designed for deep wells and built to last, this pump combines robust durability with high efficiency, ensuring consistent water flow with minimal energy consumption. Whether for agricultural irrigation, industrial applications, or residential water supply, our pump delivers outstanding performance with the added benefit of corrosion resistance. Choose the pump that stands up to the toughest conditions, offering peace of mind and superior water management.



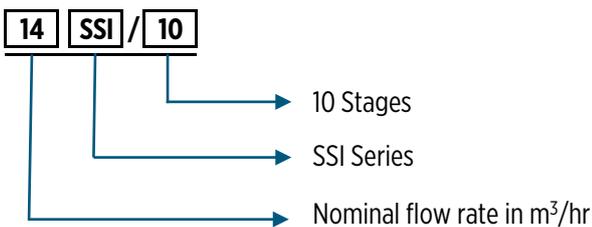
## APPLICATIONS

- Municipal water works
- Irrigation and sprinkler systems
- Water supply to and from tanks, reservoir and wells
- Residential and farm wells and drainage
- General industry

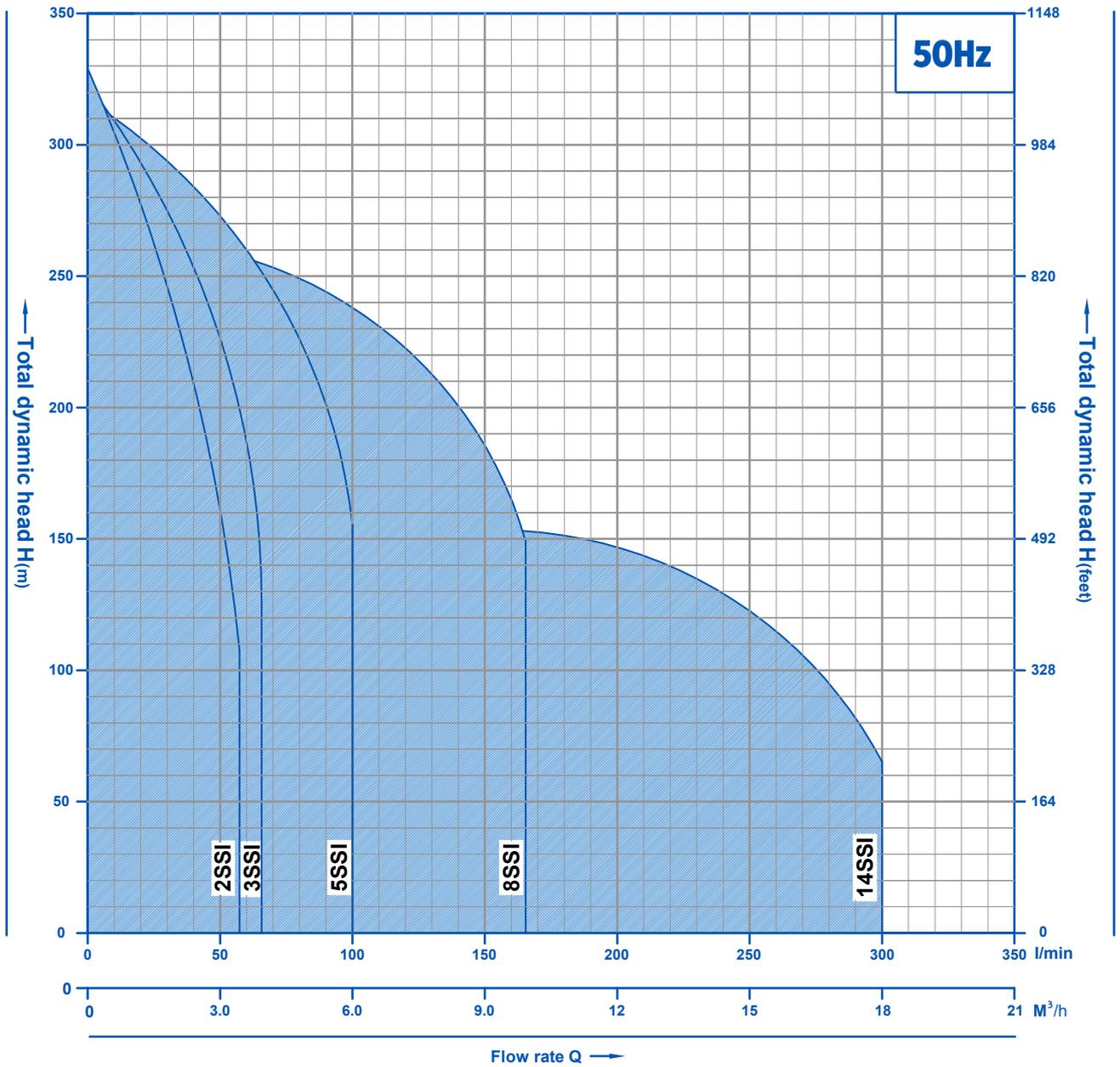
## FEATURES

- 5 performance ranges: 2, 3, 5, 8, 14m<sup>3</sup>/hr
- Robust & Corrosion Resistance: Cast stainless steel discharge head and motor bracket. Main components constructed from high-grade stainless steel, ensuring long-term durability and resistance to corrosion.
- Efficient Performance: High efficiency in water delivery, reducing energy consumption and operational costs.
- Easy Installation: NEMA standard connection
- Enhanced Safety: Built in internal check valve

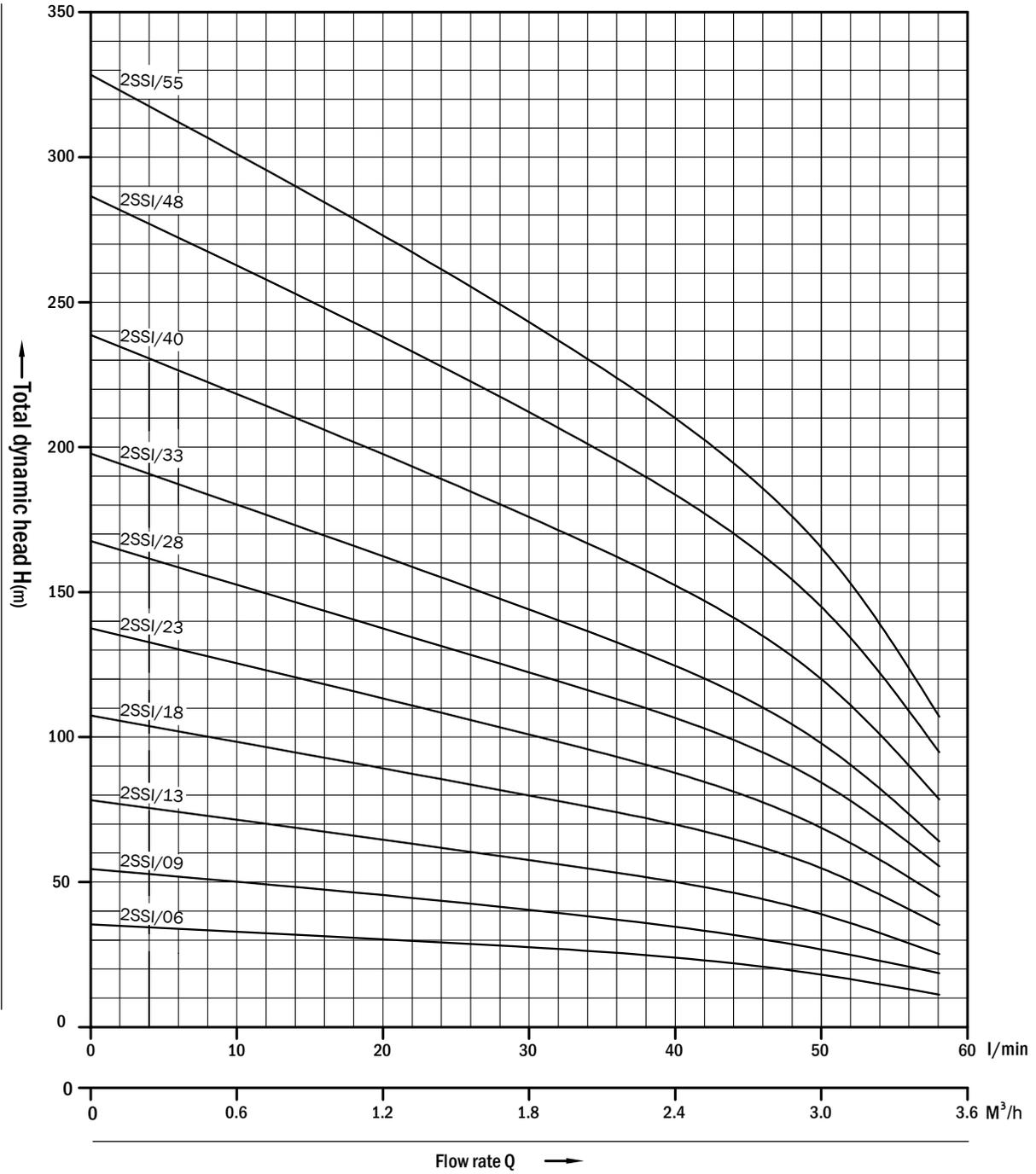
## MODEL NOMENCLATURE



## FAMILY CURVE



## 2SSI - PERFORMANCE CURVE

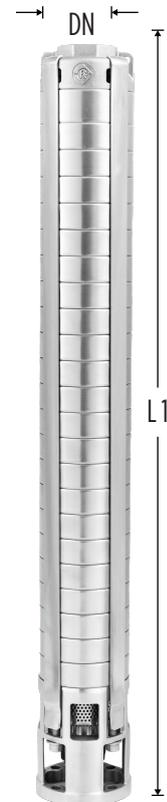


## 2SSI - PERFORMANCE

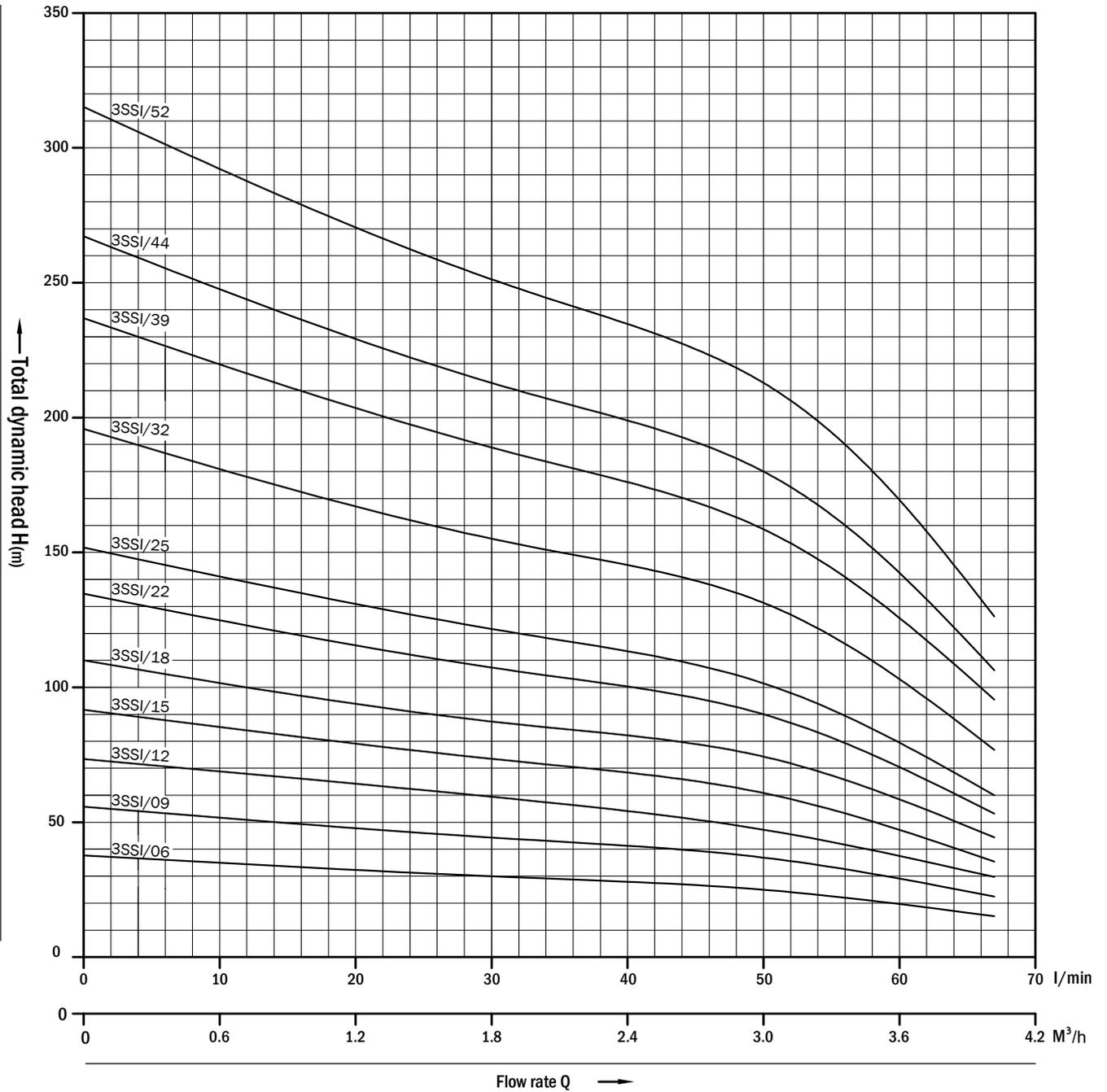
| Model     | Stages | Motor Power |      | m <sup>3</sup> /h | 0.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 |
|-----------|--------|-------------|------|-------------------|-----|-----|-----|-----|-----|-----|
|           |        | kW          | HP   |                   |     |     |     |     |     |     |
| 2SSI / 06 | 6      | 0.37        | 0.50 | head/m            | 36  | 28  | 25  | 23  | 18  | 12  |
| 2SSI / 09 | 9      | 0.37        | 0.50 |                   | 54  | 42  | 38  | 34  | 27  | 18  |
| 2SSI / 13 | 13     | 0.55        | 0.75 |                   | 78  | 60  | 55  | 49  | 39  | 25  |
| 2SSI / 18 | 18     | 0.75        | 1    |                   | 108 | 83  | 76  | 68  | 54  | 35  |
| 2SSI / 23 | 23     | 1.1         | 1.5  |                   | 138 | 107 | 97  | 88  | 69  | 45  |
| 2SSI / 28 | 28     | 1.5         | 2    |                   | 168 | 130 | 118 | 107 | 84  | 55  |
| 2SSI / 33 | 33     | 1.5         | 2    |                   | 198 | 153 | 139 | 126 | 99  | 64  |
| 2SSI / 40 | 40     | 2.2         | 3    |                   | 239 | 185 | 169 | 152 | 120 | 78  |
| 2SSI / 48 | 48     | 2.2         | 3    |                   | 287 | 222 | 203 | 183 | 144 | 94  |
| 2SSI / 55 | 55     | 3           | 4    |                   | 329 | 255 | 232 | 209 | 165 | 107 |

## 2SSI - WEIGHT & DIMENSION

| Model     | Stages | Power (kW) | Power (HP) | Discharge Size | Length (mm) | Weight (kg) |
|-----------|--------|------------|------------|----------------|-------------|-------------|
| 2SSI / 06 | 6      | 0.37       | 0.5        | 1.25"          | 321         | 3.4         |
| 2SSI / 09 | 9      | 0.37       | 0.5        | 1.25"          | 384         | 4           |
| 2SSI / 13 | 13     | 0.55       | 0.75       | 1.25"          | 468         | 4.8         |
| 2SSI / 18 | 18     | 0.75       | 1          | 1.25"          | 573         | 5.8         |
| 2SSI / 23 | 23     | 1.1        | 1.5        | 1.25"          | 678         | 6.8         |
| 2SSI / 28 | 28     | 1.5        | 2          | 1.25"          | 783         | 7.8         |
| 2SSI / 33 | 33     | 1.5        | 2          | 1.25"          | 888         | 8.8         |
| 2SSI / 40 | 40     | 2.2        | 3          | 1.25"          | 1035        | 10.2        |
| 2SSI / 48 | 48     | 2.2        | 3          | 1.25"          | 1203        | 11.8        |
| 2SSI / 55 | 55     | 3          | 4          | 1.25"          | 1350        | 13.2        |



# 3SSI - PERFORMANCE CURVE

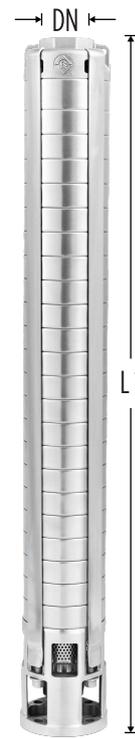


### 3SSI - PERFORMANCE

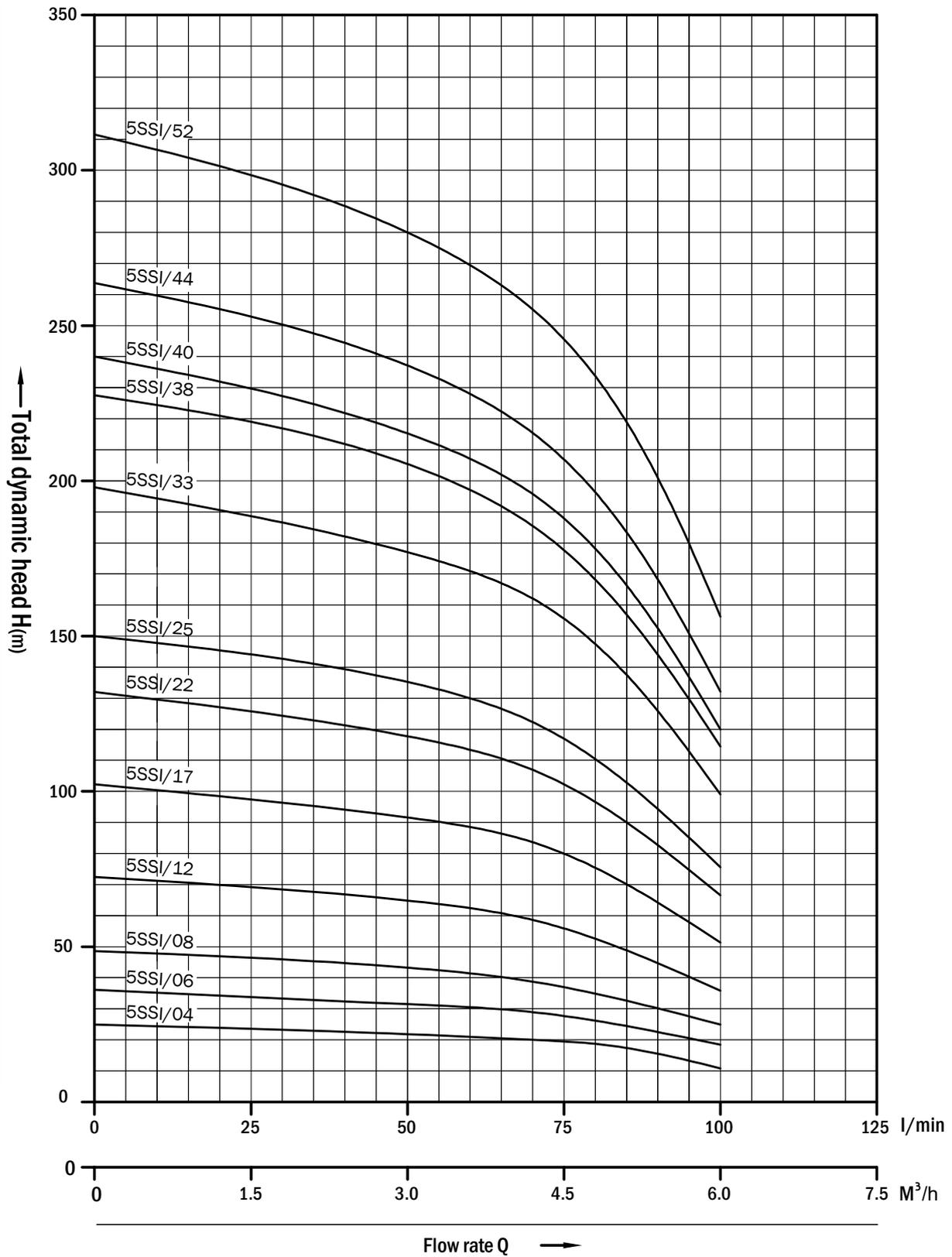
| Model     | Stages | Motor Power |      | m <sup>3</sup> /h | 0.0 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 |
|-----------|--------|-------------|------|-------------------|-----|-----|-----|-----|-----|-----|
|           |        | kW          | HP   |                   |     |     |     |     |     |     |
| 3SSI / 06 | 6      | 0.37        | 0.50 | head/m            | 37  | 29  | 27  | 25  | 20  | 15  |
| 3SSI / 09 | 9      | 0.55        | 0.75 |                   | 55  | 43  | 40  | 37  | 30  | 22  |
| 3SSI / 12 | 12     | 0.75        | 1    |                   | 73  | 57  | 53  | 49  | 40  | 29  |
| 3SSI / 15 | 15     | 1.1         | 1.5  |                   | 91  | 71  | 66  | 61  | 50  | 36  |
| 3SSI / 18 | 18     | 1.1         | 1.5  |                   | 110 | 86  | 80  | 74  | 60  | 44  |
| 3SSI / 22 | 22     | 1.5         | 2    |                   | 134 | 105 | 97  | 90  | 73  | 53  |
| 3SSI / 25 | 25     | 1.5         | 2    |                   | 152 | 119 | 110 | 102 | 83  | 60  |
| 3SSI / 32 | 32     | 2.2         | 3    |                   | 195 | 152 | 141 | 131 | 107 | 77  |
| 3SSI / 39 | 39     | 3           | 4    |                   | 237 | 185 | 172 | 159 | 130 | 94  |
| 3SSI / 44 | 44     | 3           | 4    |                   | 268 | 209 | 194 | 180 | 147 | 106 |
| 3SSI / 52 | 52     | 3.7         | 5.5  |                   | 316 | 247 | 230 | 212 | 173 | 126 |

### 3SSI - WEIGHT & DIMENSION

| Model     | Stages | Power (kW) | Power (HP) | Discharge Size | Length (mm) | Weight (kg) |
|-----------|--------|------------|------------|----------------|-------------|-------------|
| 3SSI / 06 | 6      | 0.37       | 0.5        | 1.25"          | 321         | 3.7         |
| 3SSI / 09 | 9      | 0.55       | 0.75       | 1.25"          | 384         | 4.45        |
| 3SSI / 12 | 12     | 0.75       | 1          | 1.25"          | 447         | 5.2         |
| 3SSI / 15 | 15     | 1.1        | 1.5        | 1.25"          | 510         | 5.95        |
| 3SSI / 18 | 18     | 1.1        | 1.5        | 1.25"          | 573         | 6.7         |
| 3SSI / 22 | 22     | 1.5        | 2          | 1.25"          | 657         | 7.7         |
| 3SSI / 25 | 25     | 1.5        | 2          | 1.25"          | 720         | 8.45        |
| 3SSI / 32 | 32     | 2.2        | 3          | 1.25"          | 867         | 10.2        |
| 3SSI / 39 | 39     | 3          | 4          | 1.25"          | 1014        | 11.95       |
| 3SSI / 44 | 44     | 3          | 4          | 1.25"          | 1119        | 13.2        |
| 3SSI / 52 | 52     | 4          | 5.5        | 1.25"          | 1287        | 15.2        |



## 5SSI - PERFORMANCE CURVE

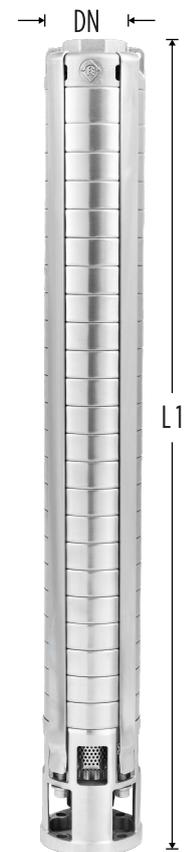


## 5SSI - PERFORMANCE CURVE

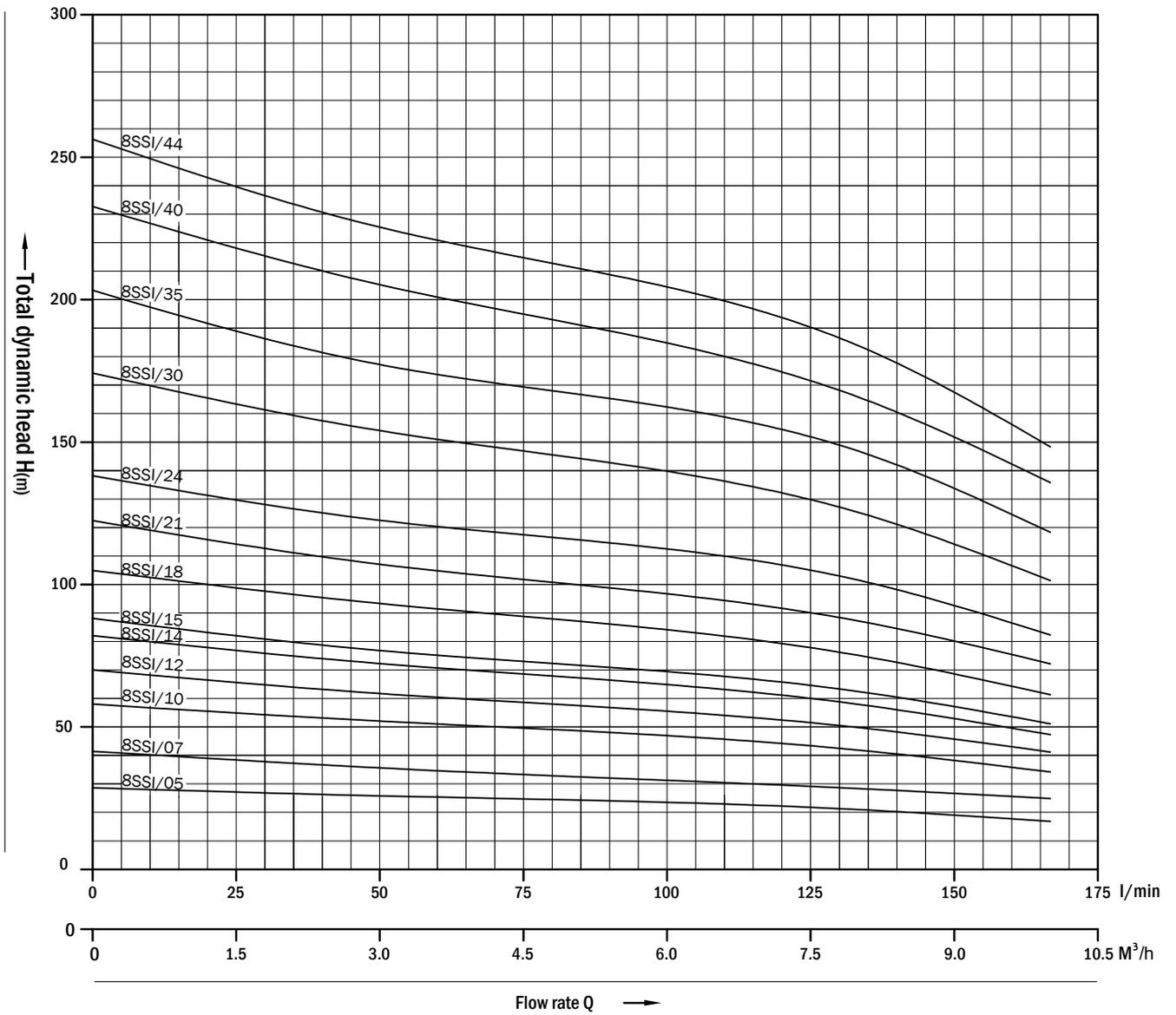
| Model     | Stages | Motor Power |      | m <sup>3</sup> /h | 0.0 | 3.0 | 3.6 | 4.2 | 5.0 | 6.0 |
|-----------|--------|-------------|------|-------------------|-----|-----|-----|-----|-----|-----|
|           |        | kW          | HP   |                   |     |     |     |     |     |     |
| 5SSI / 04 | 4      | 0.37        | 0.50 | head/m            | 24  | 22  | 21  | 20  | 17  | 12  |
| 5SSI / 06 | 6      | 0.55        | 0.75 |                   | 36  | 32  | 31  | 29  | 26  | 18  |
| 5SSI / 08 | 8      | 0.75        | 1    |                   | 48  | 43  | 41  | 39  | 34  | 24  |
| 5SSI / 12 | 12     | 1.1         | 1.5  |                   | 72  | 65  | 62  | 59  | 51  | 36  |
| 5SSI / 17 | 17     | 1.5         | 2    |                   | 102 | 91  | 87  | 83  | 72  | 51  |
| 5SSI / 22 | 22     | 2.2         | 3    |                   | 132 | 118 | 113 | 107 | 94  | 66  |
| 5SSI / 25 | 25     | 2.2         | 3    |                   | 150 | 134 | 128 | 122 | 106 | 75  |
| 5SSI / 33 | 33     | 3           | 4    |                   | 198 | 177 | 169 | 161 | 140 | 99  |
| 5SSI / 38 | 38     | 4           | 5.5  |                   | 228 | 204 | 195 | 185 | 162 | 114 |
| 5SSI / 40 | 40     | 4           | 5.5  |                   | 240 | 215 | 205 | 195 | 170 | 120 |
| 5SSI / 44 | 44     | 4           | 5.5  |                   | 264 | 237 | 226 | 215 | 187 | 132 |
| 5SSI / 52 | 52     | 5.5         | 7.5  |                   | 312 | 280 | 267 | 254 | 221 | 156 |

## 5SSI - WEIGHT & DIMENSION

| Model     | Stages | Power (kW) | Power (HP) | Discharge Size | Length (mm) | Weight (kg) |
|-----------|--------|------------|------------|----------------|-------------|-------------|
| 5SSI / 04 | 4      | 0.37       | 0.5        | 1.5"           | 291         | 3.28        |
| 5SSI / 06 | 6      | 0.55       | 0.75       | 1.5"           | 339         | 3.82        |
| 5SSI / 08 | 8      | 0.75       | 1          | 1.5"           | 387         | 4.36        |
| 5SSI / 12 | 12     | 1.1        | 1.5        | 1.5"           | 483         | 5.44        |
| 5SSI / 17 | 17     | 1.5        | 2          | 1.5"           | 603         | 6.79        |
| 5SSI / 22 | 22     | 2.2        | 3          | 1.5"           | 723         | 8.14        |
| 5SSI / 25 | 25     | 2.2        | 3          | 1.5"           | 795         | 8.95        |
| 5SSI / 33 | 33     | 3          | 4          | 1.5"           | 987         | 11.11       |
| 5SSI / 38 | 38     | 4          | 5.5        | 1.5"           | 1107        | 12.46       |
| 5SSI / 40 | 40     | 4          | 5.5        | 1.5"           | 1155        | 13          |
| 5SSI / 44 | 44     | 4          | 5.5        | 1.5"           | 1251        | 14.08       |
| 5SSI / 52 | 52     | 5.5        | 7.5        | 1.5"           | 1443        | 16.24       |



## 8SSI - PERFORMANCE CURVE

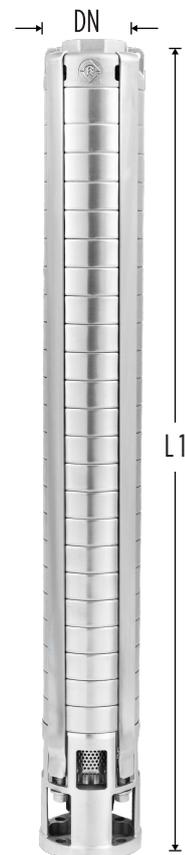


## 8SSI - PERFORMANCE CURVE

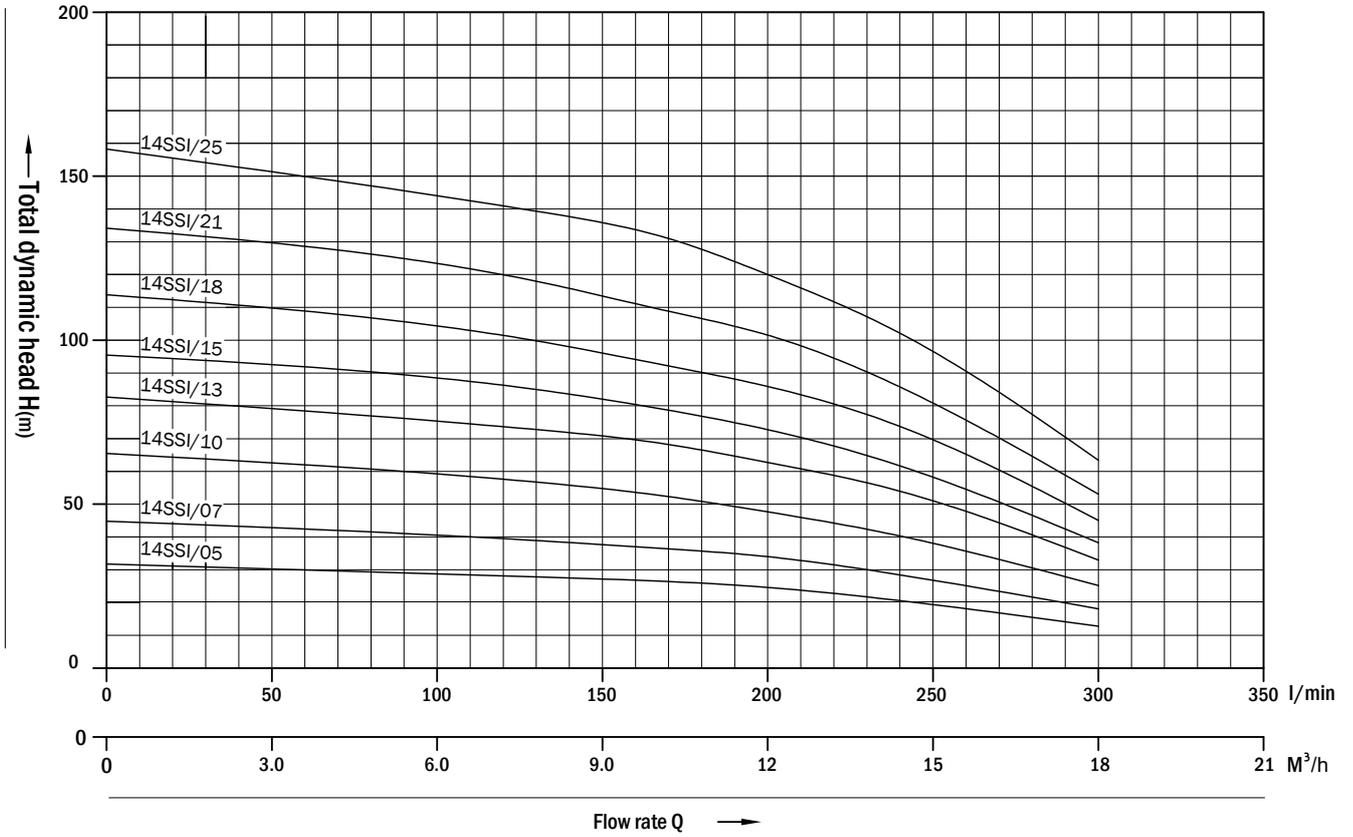
| Model     | Stages | Motor Power |     | m <sup>3</sup> /h | 0.0 | 2.0 | 3.0 | 5.0 | 8.0 | 10.0 |
|-----------|--------|-------------|-----|-------------------|-----|-----|-----|-----|-----|------|
|           |        | kW          | HP  |                   |     |     |     |     |     |      |
| 8SSI / 05 | 5      | 0.75        | 1   | head/m            | 29  | 26  | 25  | 24  | 21  | 17   |
| 8SSI / 07 | 7      | 1.1         | 1.5 |                   | 41  | 37  | 36  | 33  | 29  | 24   |
| 8SSI / 10 | 10     | 1.5         | 2   |                   | 58  | 53  | 51  | 48  | 42  | 34   |
| 8SSI / 12 | 12     | 2.2         | 3   |                   | 70  | 63  | 61  | 57  | 50  | 41   |
| 8SSI / 14 | 14     | 2.2         | 3   |                   | 81  | 74  | 71  | 67  | 59  | 47   |
| 8SSI / 15 | 15     | 2.2         | 3   |                   | 87  | 79  | 76  | 71  | 63  | 51   |
| 8SSI / 18 | 18     | 3           | 4   |                   | 105 | 95  | 92  | 86  | 75  | 61   |
| 8SSI / 21 | 21     | 4           | 5.5 |                   | 122 | 111 | 107 | 100 | 88  | 71   |
| 8SSI / 24 | 24     | 4           | 5.5 |                   | 139 | 127 | 122 | 114 | 101 | 81   |
| 8SSI / 30 | 30     | 5.5         | 7.5 |                   | 174 | 159 | 153 | 143 | 126 | 101  |
| 8SSI / 35 | 35     | 5.5         | 7.5 |                   | 203 | 185 | 178 | 167 | 147 | 118  |
| 8SSI / 40 | 40     | 7.5         | 10  |                   | 232 | 211 | 204 | 190 | 168 | 135  |
| 8SSI / 44 | 44     | 7.5         | 10  |                   | 256 | 233 | 224 | 210 | 184 | 149  |

## 8SSI - WEIGHT & DIMENSION

| Model     | Stages | Power (kW) | Power (HP) | Discharge Size | Length (mm) | Weight (kg) |
|-----------|--------|------------|------------|----------------|-------------|-------------|
| 8SSI / 05 | 5      | 0.75       | 1          | 2"             | 405         | 4.8         |
| 8SSI / 07 | 7      | 1.1        | 1.5        | 2"             | 489         | 5.84        |
| 8SSI / 10 | 10     | 1.5        | 2          | 2"             | 615         | 7.4         |
| 8SSI / 12 | 12     | 2.2        | 3          | 2"             | 699         | 8.44        |
| 8SSI / 14 | 14     | 2.2        | 3          | 2"             | 783         | 9.48        |
| 8SSI / 15 | 15     | 2.2        | 3          | 2"             | 825         | 10          |
| 8SSI / 18 | 18     | 3          | 4          | 2"             | 951         | 11.56       |
| 8SSI / 21 | 21     | 4          | 5.5        | 2"             | 1077        | 13.12       |
| 8SSI / 24 | 24     | 4          | 5.5        | 2"             | 1203        | 14.68       |
| 8SSI / 30 | 30     | 5.5        | 7.5        | 2"             | 1455        | 17.8        |
| 8SSI / 35 | 35     | 5.5        | 7.5        | 2"             | 1665        | 20.4        |
| 8SSI / 40 | 40     | 7.5        | 10         | 2"             | 1875        | 23          |
| 8SSI / 44 | 44     | 7.5        | 10         | 2"             | 2043        | 25.08       |



## 14SSI - PERFORMANCE CURVE

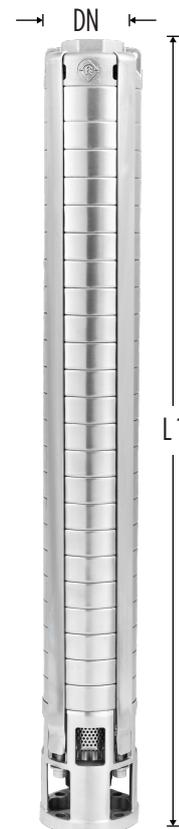


## 14SSI - PERFORMANCE CURVE

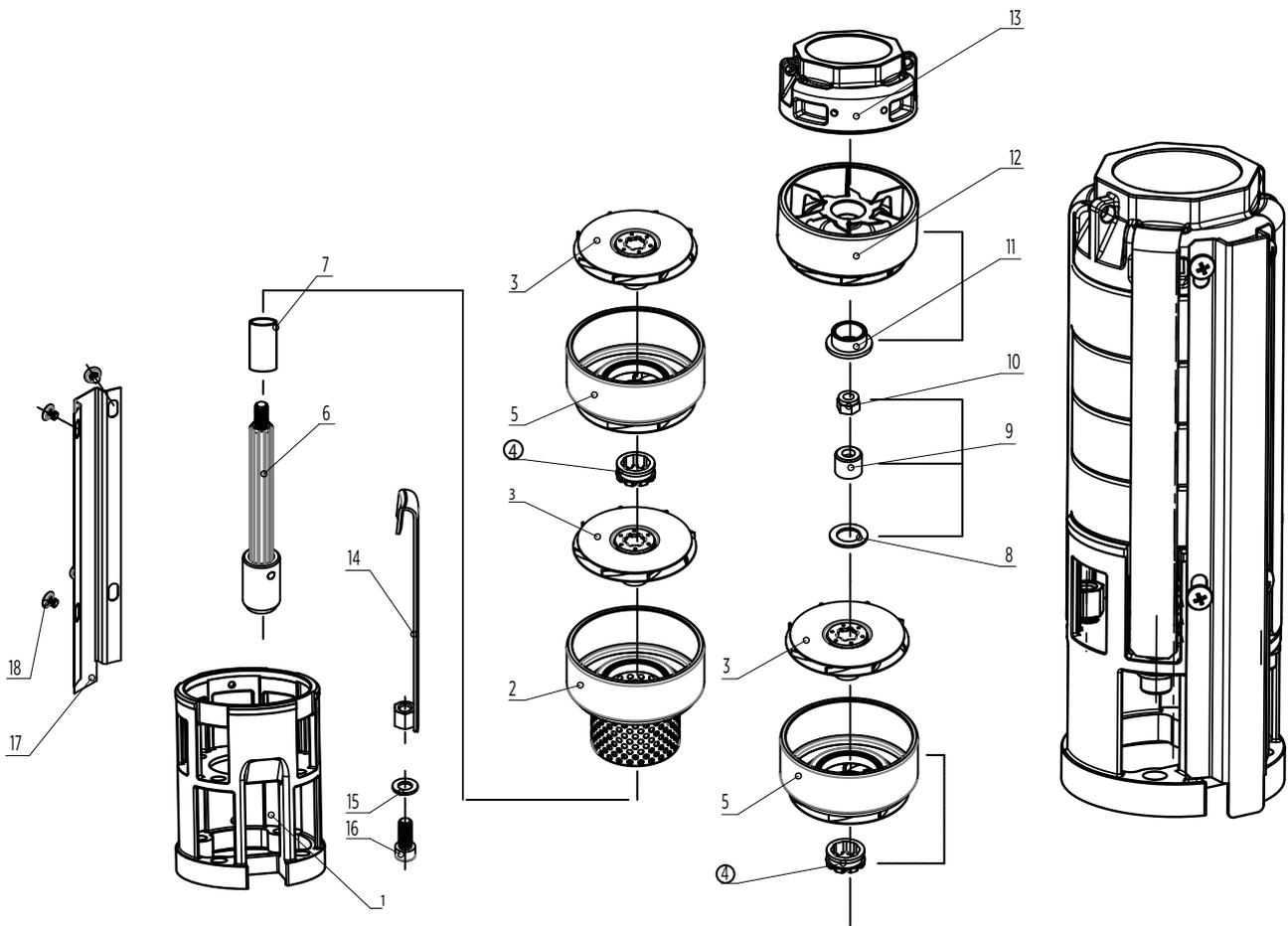
| Model      | Stages | Motor Power |     | m <sup>3</sup> /h | 0.0 | 8.0 | 10.0 | 12.0 | 14.0 | 18.0 |
|------------|--------|-------------|-----|-------------------|-----|-----|------|------|------|------|
|            |        | kW          | HP  |                   |     |     |      |      |      |      |
| 14SSI / 05 | 5      | 1.5         | 2   | head/m            | 32  | 28  | 26   | 24   | 21   | 13   |
| 14SSI / 07 | 7      | 2.2         | 3   |                   | 44  | 39  | 36   | 34   | 29   | 18   |
| 14SSI / 10 | 10     | 3           | 4   |                   | 64  | 55  | 52   | 48   | 42   | 25   |
| 14SSI / 13 | 13     | 4           | 5.5 |                   | 83  | 72  | 68   | 62   | 55   | 33   |
| 14SSI / 15 | 15     | 5.5         | 7.5 |                   | 95  | 83  | 78   | 72   | 63   | 38   |
| 14SSI / 18 | 18     | 5.5         | 7.5 |                   | 114 | 99  | 94   | 86   | 76   | 45   |
| 14SSI / 21 | 21     | 7.5         | 10  |                   | 133 | 116 | 109  | 101  | 88   | 53   |
| 14SSI / 25 | 25     | 7.5         | 10  |                   | 159 | 138 | 130  | 120  | 105  | 63   |

## 14SSI - WEIGHT & DIMENSION

| Model      | Stages | Power (kW) | Power (HP) | Discharge Size | Length (mm) | Weight (kg) |
|------------|--------|------------|------------|----------------|-------------|-------------|
| 14SSI / 05 | 5      | 1.5        | 2          | 2"             | 520         | 5.2         |
| 14SSI / 07 | 7      | 2.2        | 3          | 2"             | 650         | 6.4         |
| 14SSI / 10 | 10     | 3          | 4          | 2"             | 845         | 8.2         |
| 14SSI / 13 | 13     | 4          | 5.5        | 2"             | 1040        | 10          |
| 14SSI / 15 | 15     | 5.5        | 7.5        | 2"             | 1170        | 11.2        |
| 14SSI / 18 | 18     | 5.5        | 7.5        | 2"             | 1365        | 13          |
| 14SSI / 21 | 21     | 7.5        | 10         | 2"             | 1560        | 14.8        |
| 14SSI / 25 | 25     | 7.5        | 10         | 2"             | 1820        | 17.2        |



## PARTS LIST



| NO. | Part Description              | Material |
|-----|-------------------------------|----------|
| 1   | Motor Bracket                 | SS 304   |
| 2   | Suction strainer              | SS 304   |
| 3   | Impeller                      | SS 304   |
| 4   | Shaft seal                    | NBR      |
| 5   | Diffuser                      | SS 304   |
| 6   | Shaft                         | SS 304   |
| 7   | Sleeve                        | SS 304   |
| 8   | Pump washer                   | SS 304   |
| 9   | Retaining cap                 | SS 304   |
| 10  | Locking nut                   | SS 304   |
| 11  | Upper shaft seal              | NBR      |
| 12  | Top diffuser with check valve | SS 304   |
| 13  | Discharge Head                | SS 304   |
| 14  | Pump strap                    | SS 304   |
| 15  | Strap washer                  | SS 304   |
| 16  | Hex socket head bolt          | SS 304   |
| 17  | Cable Guard                   | SS 304   |
| 18  | Phillips screw                | SS 304   |



## Franklin Electric

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Franklin Electric (SEA) Pte Ltd reserves the right to amend specification without prior notice.



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