



0.75kw~7.5kw



9.2kw~55kw

**EST**

## Application

- Circulation and transfer of clean, chemically non-aggressive water and other liquids
- Water supply & irrigation
- Water circulation in air conditioning systems
- Fire fighting system

## Operating conditions

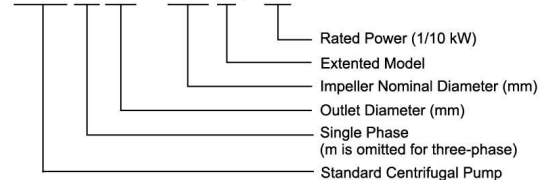
- Delivery: up to 210 m<sup>3</sup>/h
- Head: up to 95 m
- Liquid temperature: Standard -10°C to 85°C
- Maximum operating pressure: 12 bar (PN12)
- Anti-clockwise rotation when facing pump's suction port
- Impeller: AISI304 , HT200
- Mechanical seal in compliance with DIN 24960
- Lubricated by internal recirculating pumped liquid
- Counter flange available on request

## Motor

- Closed construction, external ventilation
- Insulation class: F
- Protection class: IP54
- Performance in compliance with CEI 2-3 (IEC 34.1)
- Max.ambient temperature: +40°C
- Overload protection
- For model that ≥9.2kw: Equipped with IE2 motor, IE3 motor available on request.
- For model that ≤7.5kw, the following 4 models can equipped with IE3 motor.  
(EST40-160/30, EST40-160/40, EST50-160/55, EST50-160/75)

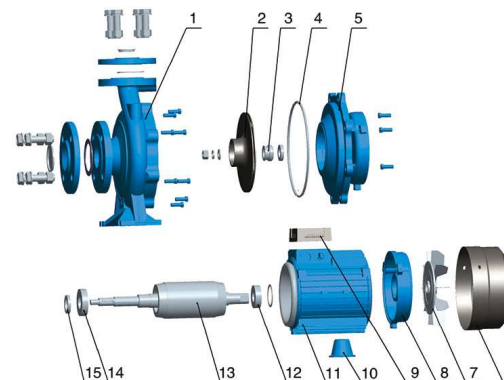
## Identification Codes

**EST m 32 – 125 K / 11**



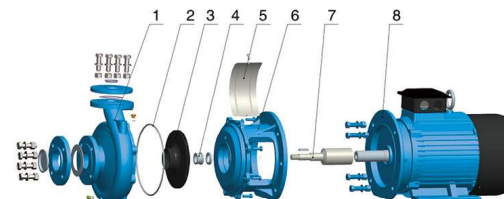
## Materials Table

Exploded diagram of 7.5 kW and below



| No. | Part            | Material           |
|-----|-----------------|--------------------|
| 1   | Pump body       | HT200              |
| 2   | Impeller        | HT200 / 06Cr19Ni10 |
| 3   | Mechanical seal |                    |
| 4   | O-ring          | NBR                |
| 5   | Connection body | HT200              |
| 6   | Wind cover      | 08F                |
| 7   | Fan             | PP                 |
| 8   | Back cover      | ZL102              |
| 9   | Cover box       | ABS                |
| 10  | Brace           | HT200              |
| 11  | Stator          |                    |
| 12  | Bearing         |                    |
| 13  | Rotor           |                    |
| 14  | Bearing         |                    |
| 15  | Skeleton seal   |                    |

Exploded diagram above 7.5 kW



| No. | Part            | Material           |
|-----|-----------------|--------------------|
| 1   | Pump body       | HT200              |
| 2   | O-ring          | NBR                |
| 3   | Impeller        | HT200 / 06Cr19Ni10 |
| 4   | Machinery Seal  |                    |
| 5   | Guard plate     | 06Cr19Ni10         |
| 6   | Connection body | HT200              |
| 7   | Pump shaft      | 45/06Cr19Ni10      |
| 8   | Motor           |                    |

## Construction Features

- Single-impeller centrifugal pump featuring axial intake and radial discharge
- Inlet and outlet DN in compliance with EN 733 (ex DIN 24255) and UNI 7467
- Flanges in compliance with UNI 2236 and DIN 2532
- Rear entry (impeller, motor can be extracted without disconnecting the pump body from the pipes)

## Performance parameter

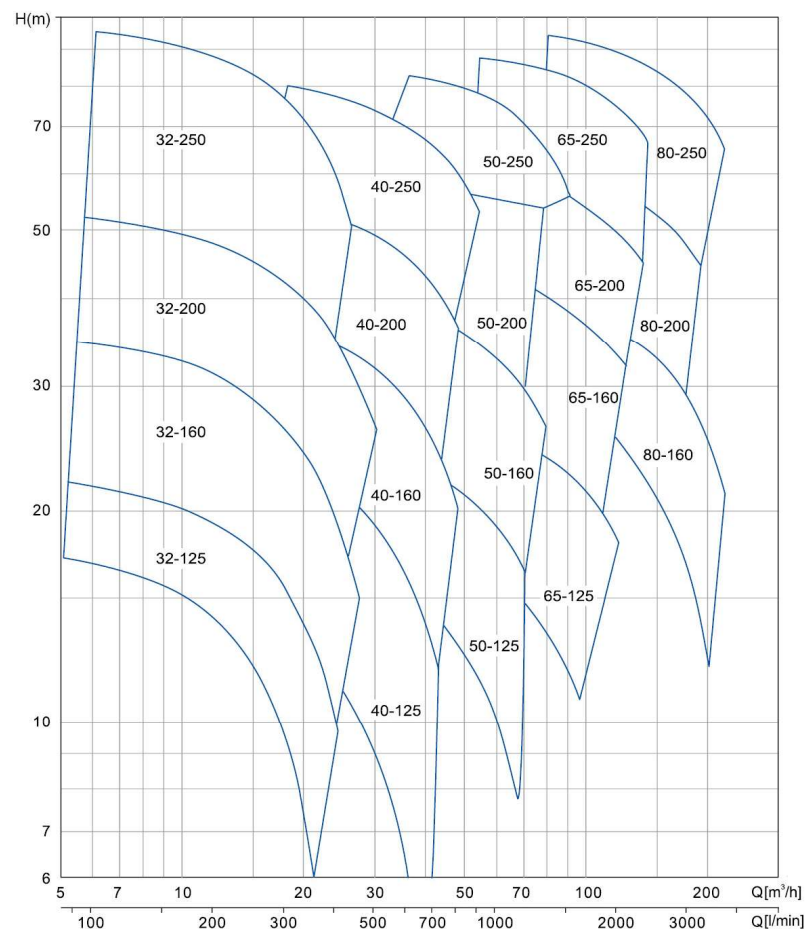
| Model       | Power |      | Q(m³/h)  | 0    | 6    | 9    | 15   | 18   | 24   | 27   | 36   | 42   | 48   | 54   | 72   | 84   | 90   | 108  | 120  | 138  | 180  | 210  |
|-------------|-------|------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|             | kW    | HP   | Q(l/min) | 0    | 100  | 150  | 250  | 300  | 400  | 450  | 600  | 700  | 800  | 900  | 1200 | 1400 | 1500 | 1800 | 2000 | 2300 | 3000 | 3500 |
| 32-125/7*   | 0.75  | 1    |          | 17.5 | 16.7 | 15   | 12   | 9    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 32-125/11*  | 1.1   | 1.5  |          | 22   | 21   | 20.2 | 17   | 15   | 9    |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 32-160/15*  | 1.5   | 2    |          | 24   | 23.7 | 22.5 | 19.5 | 16.2 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 32-160/22*  | 2.2   | 3    |          | 31   | 29.6 | 29   | 25.5 | 22.5 | 15   |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 32-160/30*  | 3     | 4    |          | 34.5 | 33.5 | 33   | 29   | 26.5 | 20   | 16.5 |      |      |      |      |      |      |      |      |      |      |      |      |
| 32-200/30*  | 3     | 4    |          | 43.2 | 42   | 40.5 | 35.2 | 32.2 | 24.6 | 19.8 |      |      |      |      |      |      |      |      |      |      |      |      |
| 32-200/40*  | 4     | 5.5  |          | 52   | 50.5 | 50   | 45   | 41.9 | 35   | 30.3 |      |      |      |      |      |      |      |      |      |      |      |      |
| 32-250/55** | 5.5   | 7.5  |          | 79   | 74.7 | 71.8 | 63   | 56   | 37.5 |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 32-250/75** | 7.5   | 10   |          | 95   | 92   | 89   | 82   | 75   | 57.8 | 48   |      |      |      |      |      |      |      |      |      |      |      |      |
| 40-125/11   | 1.1   | 1.5  |          | 14.7 |      |      |      | 13   | 11.5 | 10.1 |      |      |      |      |      |      |      |      |      |      |      |      |
| 40-125/15   | 1.5   | 2    |          | 18.1 |      |      |      | 17   | 15   | 13.9 |      |      |      |      |      |      |      |      |      |      |      |      |
| 40-125/22   | 2.2   | 3    |          | 24.5 |      |      |      | 23.2 | 21.5 | 20.2 | 16   | 12   |      |      |      |      |      |      |      |      |      |      |
| 40-160/30   | 3     | 4    |          | 31.8 |      |      |      | 29   | 27.5 | 26.3 | 21.5 | 17.5 |      |      |      |      |      |      |      |      |      |      |
| 40-160/40   | 4     | 5.5  |          | 38   |      |      |      | 36   | 34   | 33   | 28.5 | 25   | 20.1 |      |      |      |      |      |      |      |      |      |
| 40-200/55*  | 5.5   | 7.5  |          | 44   |      |      |      | 42   | 40   | 38   | 32   | 27   |      |      |      |      |      |      |      |      |      |      |
| 40-200/75*  | 7.5   | 10   |          | 55   |      |      |      | 52   | 49   | 48   | 42   | 37   | 32   |      |      |      |      |      |      |      |      |      |
| 40-250/92*  | 9.2   | 12.5 |          | 64   |      |      |      | 59   | 56.5 | 55   | 49.5 | 45   | 39.8 |      |      |      |      |      |      |      |      |      |
| 40-250/110* | 11    | 15   |          | 72   |      |      |      | 67.5 | 65   | 63.5 | 57.5 | 52.2 | 47   |      |      |      |      |      |      |      |      |      |
| 40-250/150* | 15    | 20   |          | 82   |      |      |      | 79   | 77.3 | 76.5 | 71   | 66   | 60.5 | 54.8 |      |      |      |      |      |      |      |      |
| 50-125/22   | 2.2   | 3    |          | 17   |      |      |      |      |      |      | 15.4 | 14   | 12.8 | 11.5 |      |      |      |      |      |      |      |      |
| 50-125/30   | 3     | 4    |          | 20   |      |      |      |      |      |      | 18.8 | 18   | 17   | 15.6 |      |      |      |      |      |      |      |      |
| 50-125/40   | 4     | 5.5  |          | 24   |      |      |      |      |      |      | 23.1 | 22.6 | 21.5 | 20.3 | 15.8 |      |      |      |      |      |      |      |
| 50-160/55   | 5.5   | 7.5  |          | 32   |      |      |      |      |      |      | 30.6 | 30   | 28   | 26.6 | 20.5 |      |      |      |      |      |      |      |
| 50-160/75   | 7.5   | 10   |          | 40   |      |      |      |      |      |      | 38   | 37   | 36   | 34.4 | 29   |      |      |      |      |      |      |      |
| 50-200/92*  | 9.2   | 12.5 |          | 50.5 |      |      |      |      |      |      | 46.8 | 45   | 43   | 40.9 | 32.5 |      |      |      |      |      |      |      |
| 50-200/110* | 11    | 15   |          | 57.5 |      |      |      |      |      |      | 53.5 | 52   | 50   | 47.5 | 40   |      |      |      |      |      |      |      |
| 50-250/150* | 15    | 20   |          | 68.5 |      |      |      |      |      |      | 64   | 63   | 61.5 | 59   | 50   | 41   |      |      |      |      |      |      |
| 50-250/185* | 18.5  | 25   |          | 77   |      |      |      |      |      |      | 73.2 | 72   | 70   | 68   | 60.5 | 51.5 |      |      |      |      |      |      |
| 50-250/220* | 22    | 30   |          | 86.3 |      |      |      |      |      |      | 83   | 81.5 | 80   | 78   | 70   | 61   |      |      |      |      |      |      |
| 65-125/40   | 4     | 5.5  |          | 19   |      |      |      |      |      |      |      |      | 17.3 | 16.8 | 14.5 | 13   | 11.8 |      |      |      |      |      |
| 65-125/55   | 5.5   | 7.5  |          | 23   |      |      |      |      |      |      |      |      | 21.3 | 20.9 | 19   | 17.5 | 16.7 | 13.7 |      |      |      |      |
| 65-125/75   | 7.5   | 10   |          | 27   |      |      |      |      |      |      |      |      | 26   | 25.6 | 24.5 | 23   | 22.5 | 20   | 18   |      |      |      |
| 65-160/92   | 9.2   | 12.5 |          | 33   |      |      |      |      |      |      |      |      |      | 31.5 | 30   | 28   | 27.1 | 24   | 21.5 |      |      |      |
| 65-160/110  | 11    | 15   |          | 36   |      |      |      |      |      |      |      |      |      | 34.5 | 33   | 31.5 | 30.8 | 28   | 25.5 |      |      |      |
| 65-160/150  | 15    | 20   |          | 42   |      |      |      |      |      |      |      |      |      | 41   | 40   | 38.5 | 37.8 | 35   | 33   |      |      |      |
| 65-200/150  | 15    | 20   |          | 45.5 |      |      |      |      |      |      |      |      |      | 46   | 43.5 | 41   | 39.2 | 33   |      |      |      |      |
| 65-200/185  | 18.5  | 25   |          | 53   |      |      |      |      |      |      |      |      |      | 53.5 | 51.2 | 48.3 | 47   | 41.5 |      |      |      |      |
| 65-200/220  | 22    | 30   |          | 59   |      |      |      |      |      |      |      |      |      | 59.5 | 57.2 | 54   | 53   | 47   | 43.5 |      |      |      |
| 65-200K/185 | 18.5  | 25   |          | 41.2 |      |      |      |      |      |      |      |      |      |      |      | 42   | 41.2 | 40.6 | 38.2 | 36.5 | 34   |      |
| 65-200K/220 | 22    | 30   |          | 48   |      |      |      |      |      |      |      |      |      |      |      | 48   | 47.5 | 46   | 44   | 41   |      |      |
| 65-200K/300 | 30    | 40   |          | 59.5 |      |      |      |      |      |      |      |      |      |      |      | 59   | 58.5 | 58   | 56.2 | 54   |      |      |
| 65-250/220  | 22    | 30   |          | 62   |      |      |      |      |      |      |      |      |      |      |      | 61.5 | 58.2 | 56.5 | 54   | 49   | 45   | 36   |
| 65-250/300  | 30    | 40   |          | 76   |      |      |      |      |      |      |      |      |      |      |      | 75   | 73   | 70   | 69   | 64   | 61   | 54   |
| 65-250/370  | 37    | 50   |          | 90   |      |      |      |      |      |      |      |      |      |      |      | 88   | 86   | 84   | 82   | 78   | 74   | 68   |
| 80-160/110  | 11    | 15   |          | 27   |      |      |      |      |      |      |      |      |      |      |      |      |      | 27.3 | 26   | 24.5 | 22.5 | 16   |
| 80-160/150  | 15    | 20   |          | 32.8 |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.5 | 31.3 | 30.2 | 28   | 22.1 |
| 80-160/185  | 18.5  | 25   |          | 39   |      |      |      |      |      |      |      |      |      |      |      |      |      | 38   | 36.8 | 35.7 | 33.8 | 28.8 |
| 80-200/220  | 22    | 30   |          | 48   |      |      |      |      |      |      |      |      |      |      |      |      |      | 47.5 | 46   | 43.5 | 41   | 32.5 |
| 80-200/300  | 30    | 40   |          | 60   |      |      |      |      |      |      |      |      |      |      |      |      |      | 59.5 | 58   | 57   | 54.5 | 47   |
| 80-250/370  | 37    | 50   |          | 71.5 |      |      |      |      |      |      |      |      |      |      |      |      |      | 70.5 | 67.5 | 65.5 | 61.5 | 49.5 |
| 80-250/450  | 45    | 61   |          | 82   |      |      |      |      |      |      |      |      |      |      |      |      |      | 80.5 | 78.5 | 76.5 | 72   | 62   |
| 80-250/550  | 55    | 75   |          | 95   |      |      |      |      |      |      |      |      |      |      |      |      |      | 93.5 | 91.2 | 89.8 | 86.8 | 77.6 |

\*=Stainless steel impeller

\*\*=Two-stage stainless steel impeller

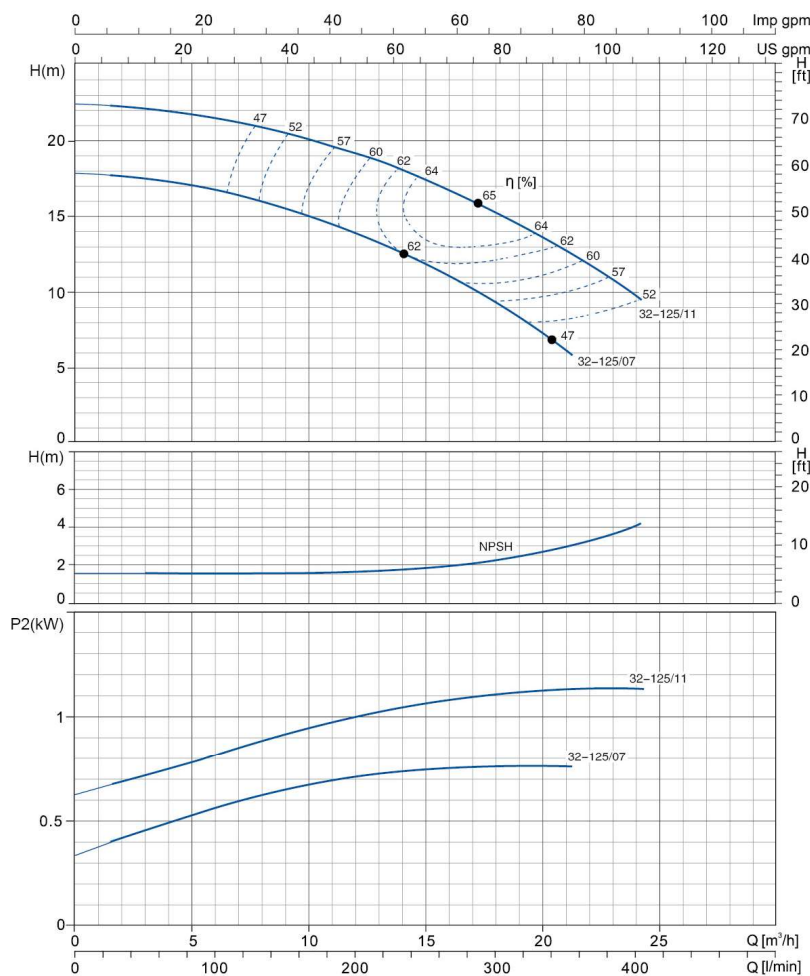
## Characteristic Curves

| EST | ~2900 rpm | ISO 9906 Annex A |
|-----|-----------|------------------|
|-----|-----------|------------------|



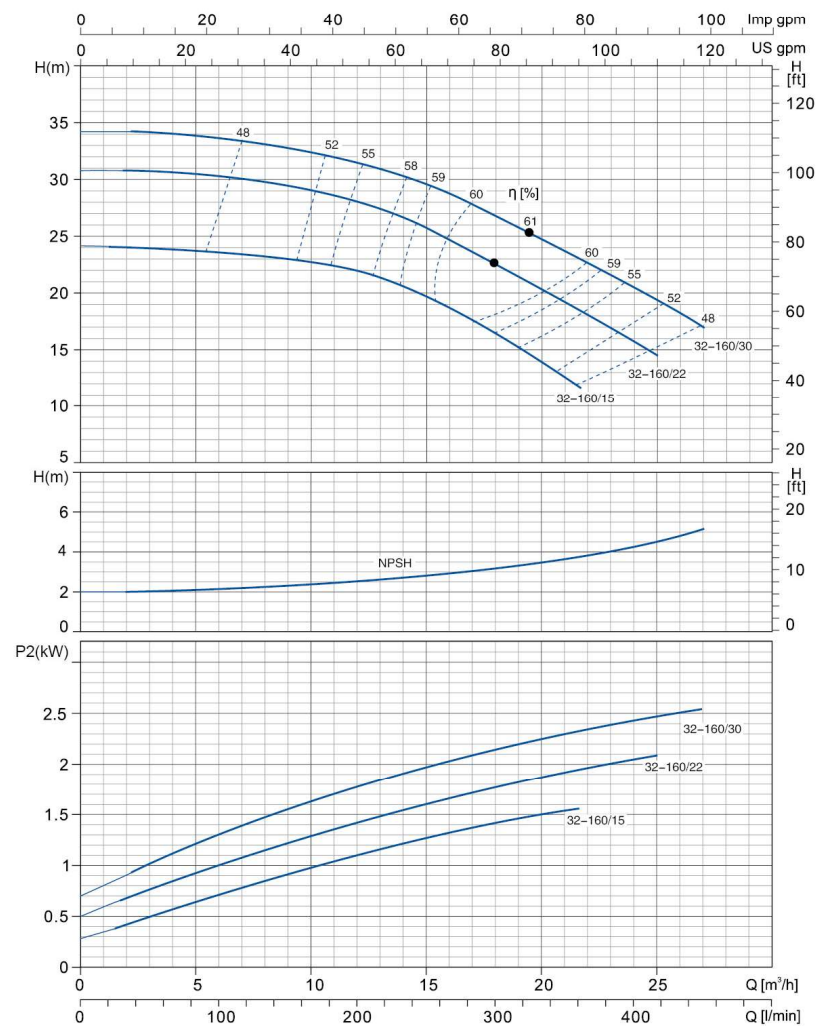
### Hydraulic Performance Curves

| EST 32-125 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



### Hydraulic Performance Curves

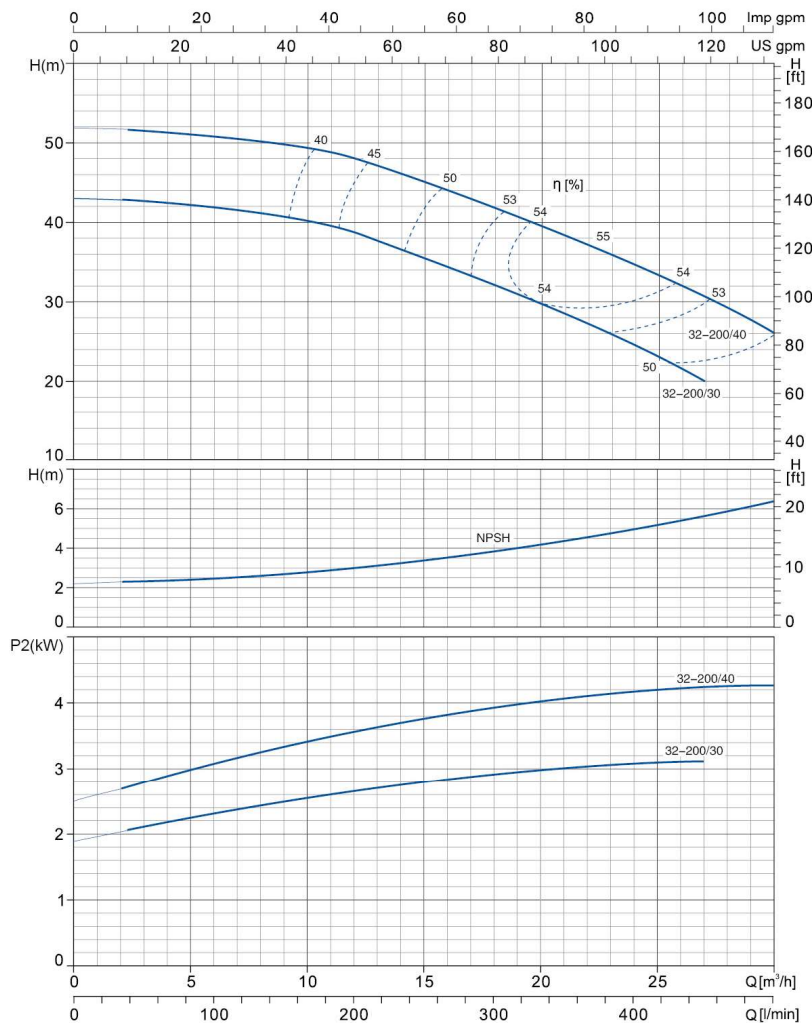
| EST 32-160 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|





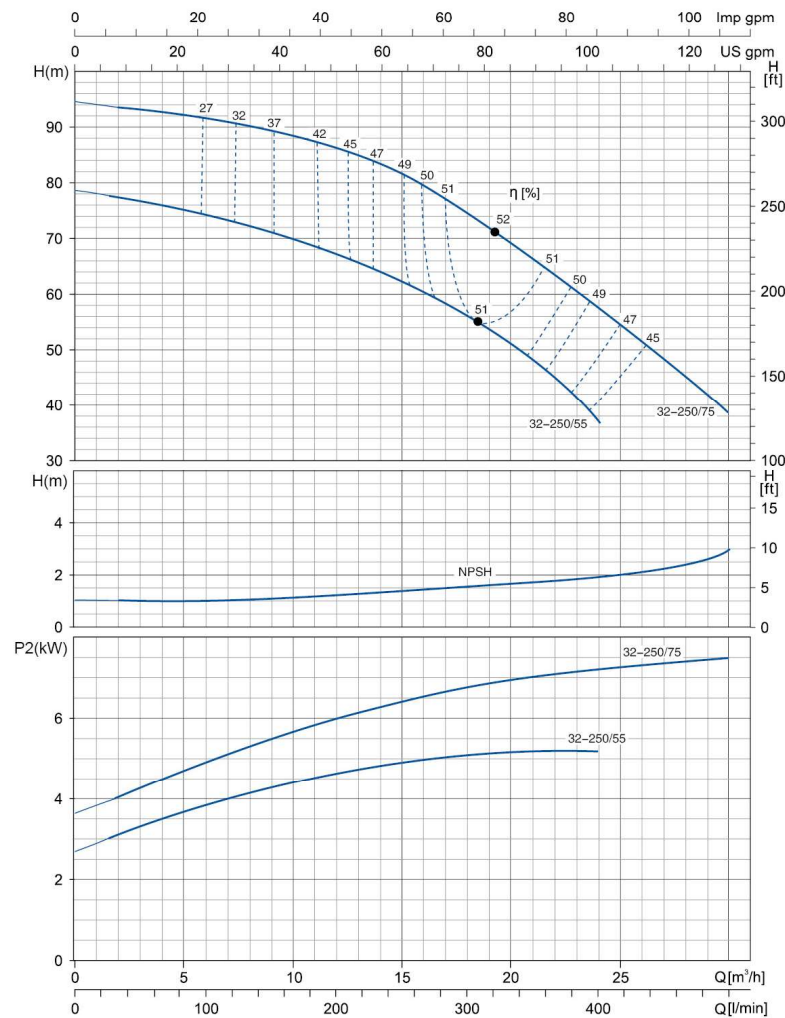
### Hydraulic Performance Curves

| EST 32-200 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



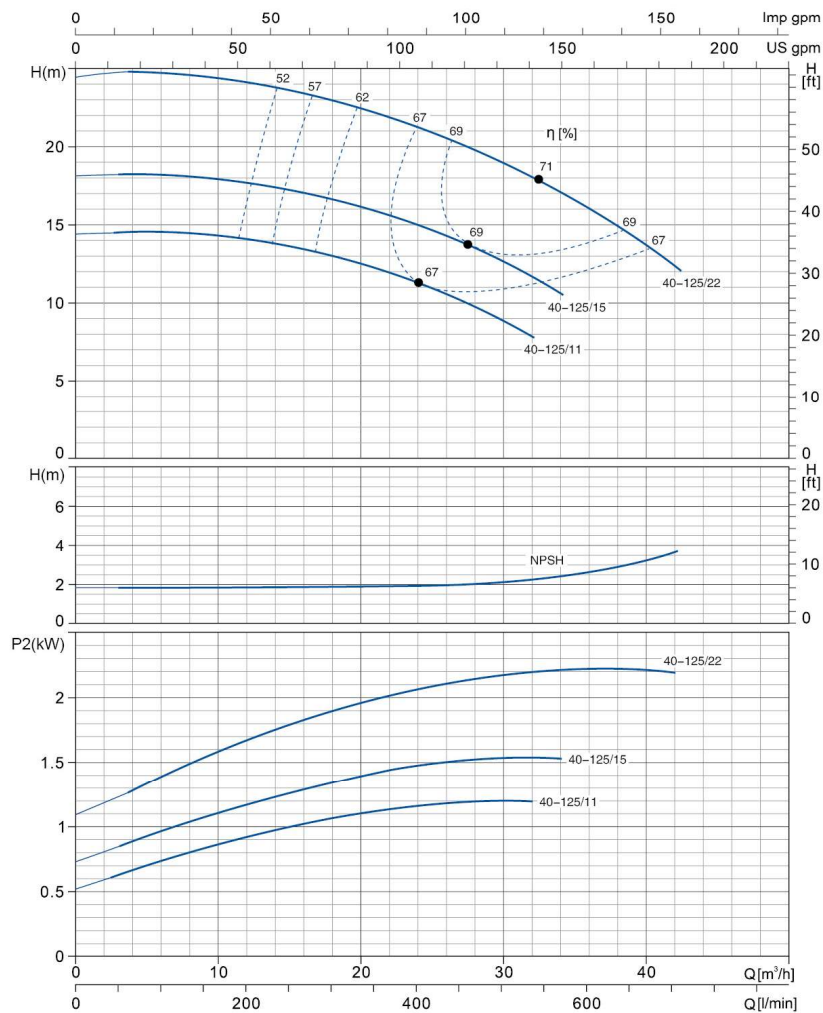
### Hydraulic Performance Curves

| EST 32-250 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



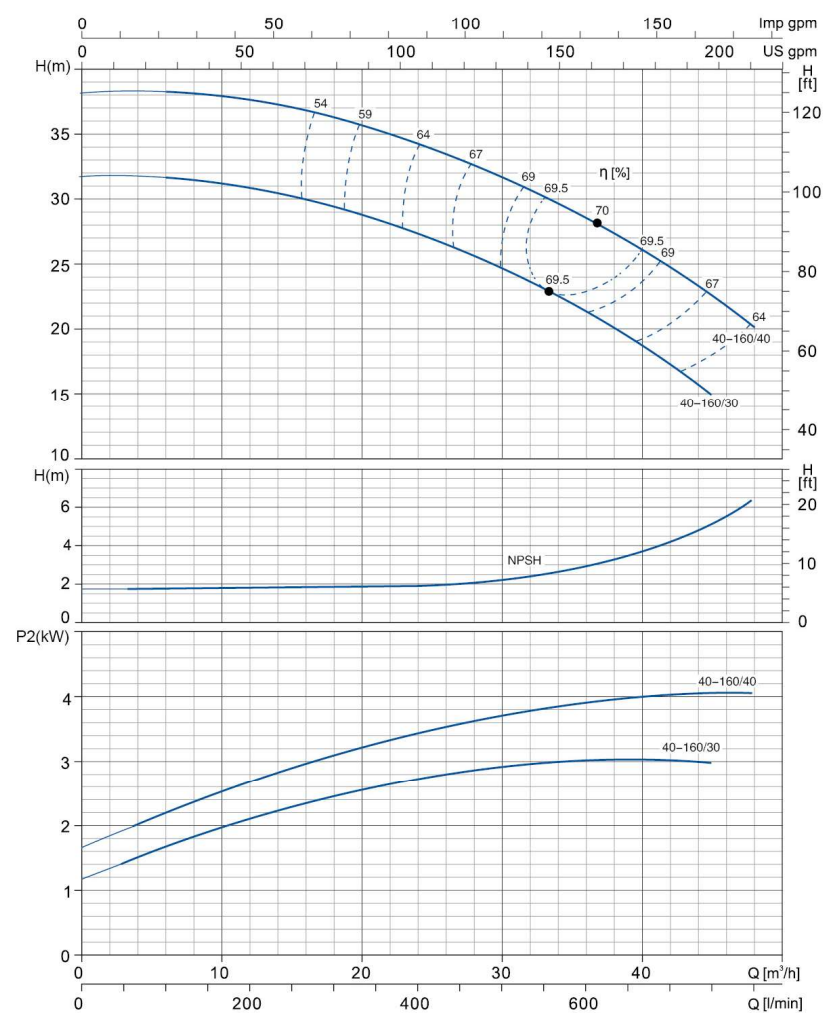
### Hydraulic Performance Curves

| EST 40-125 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



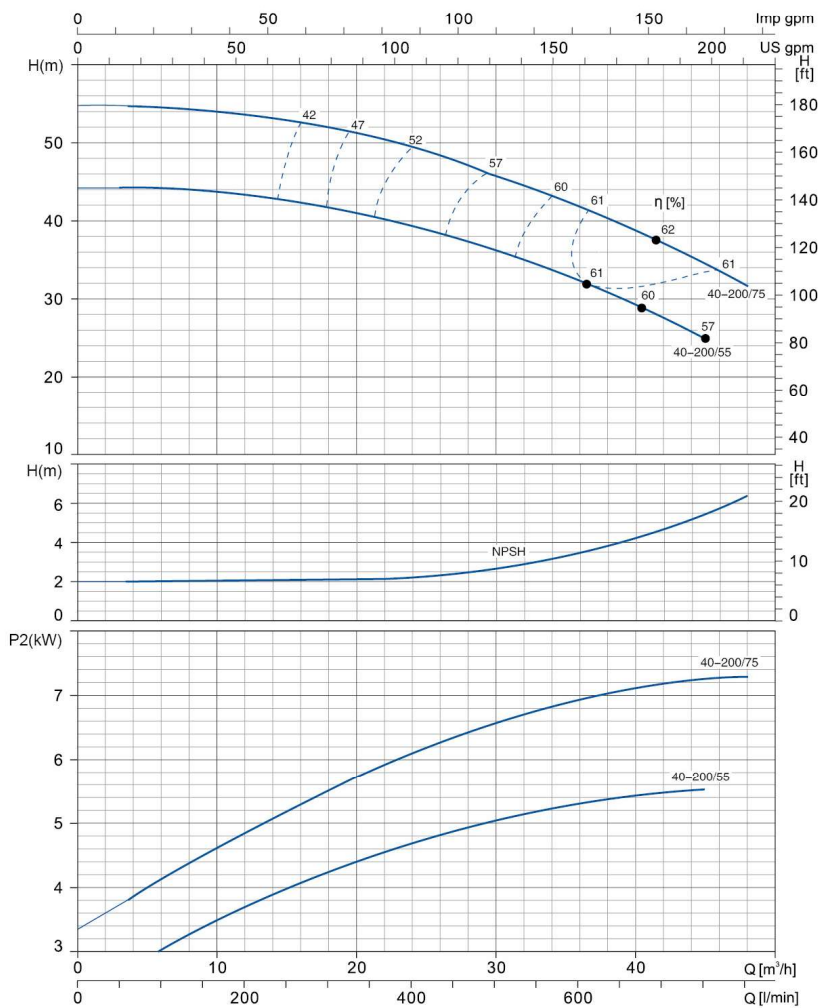
### Hydraulic Performance Curves

| EST 40-160 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



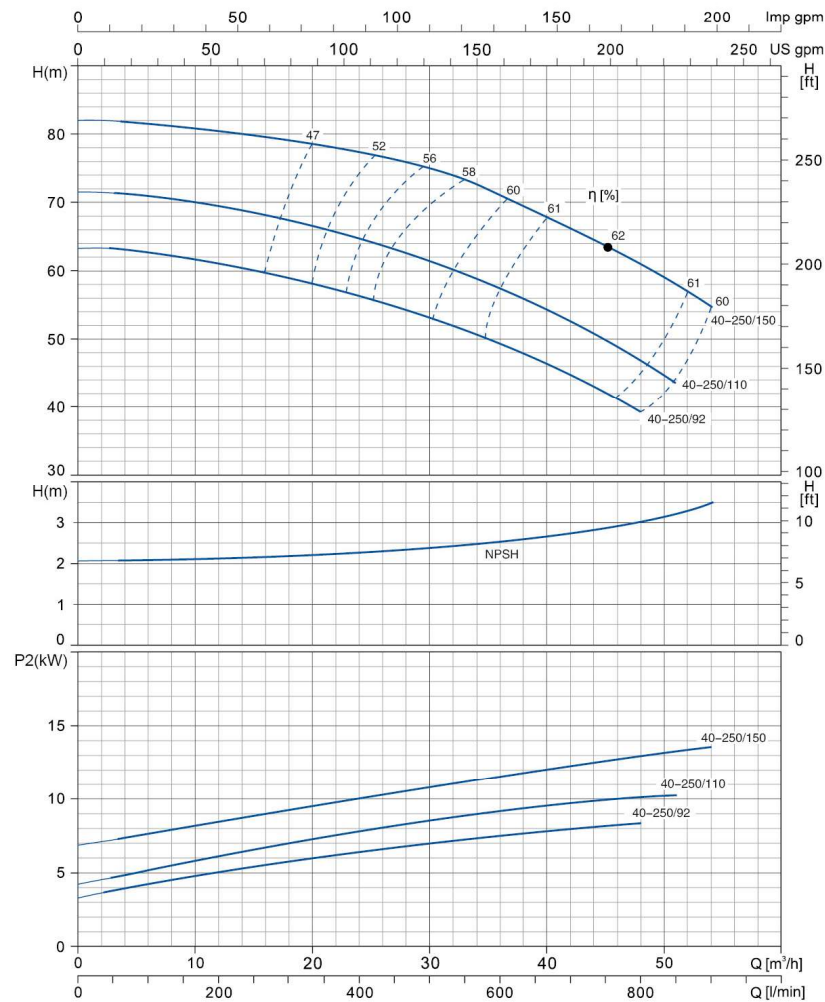
### Hydraulic Performance Curves

| EST 40-200 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



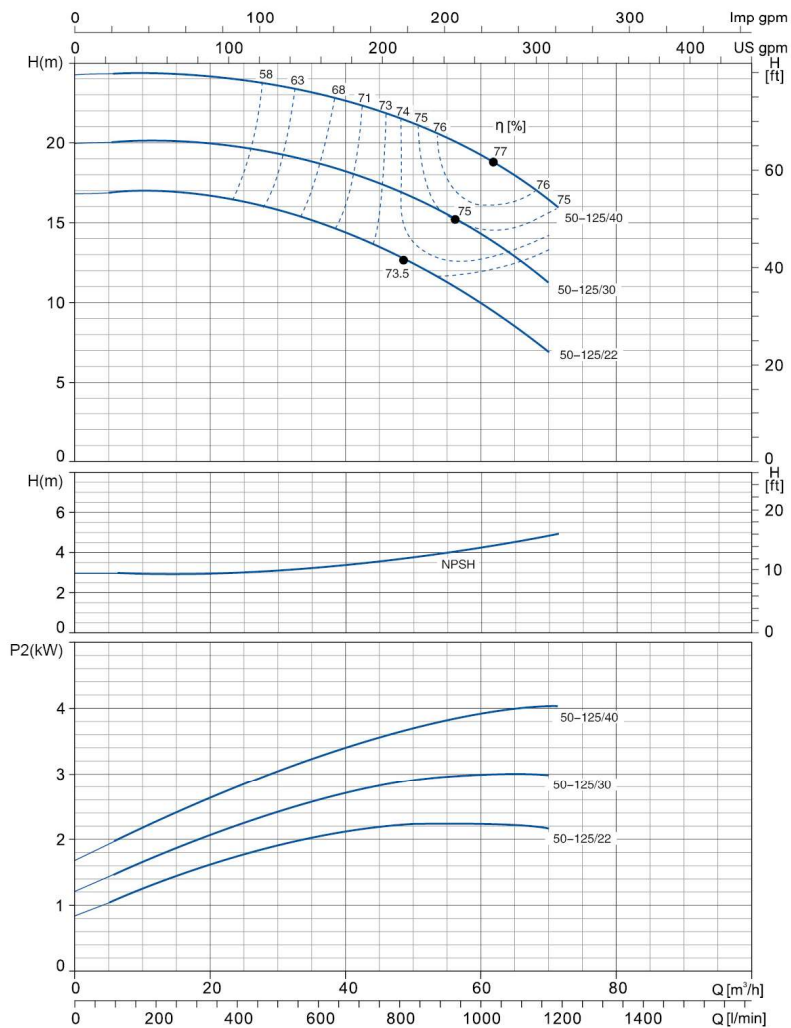
### Hydraulic Performance Curves

| EST 40-250 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



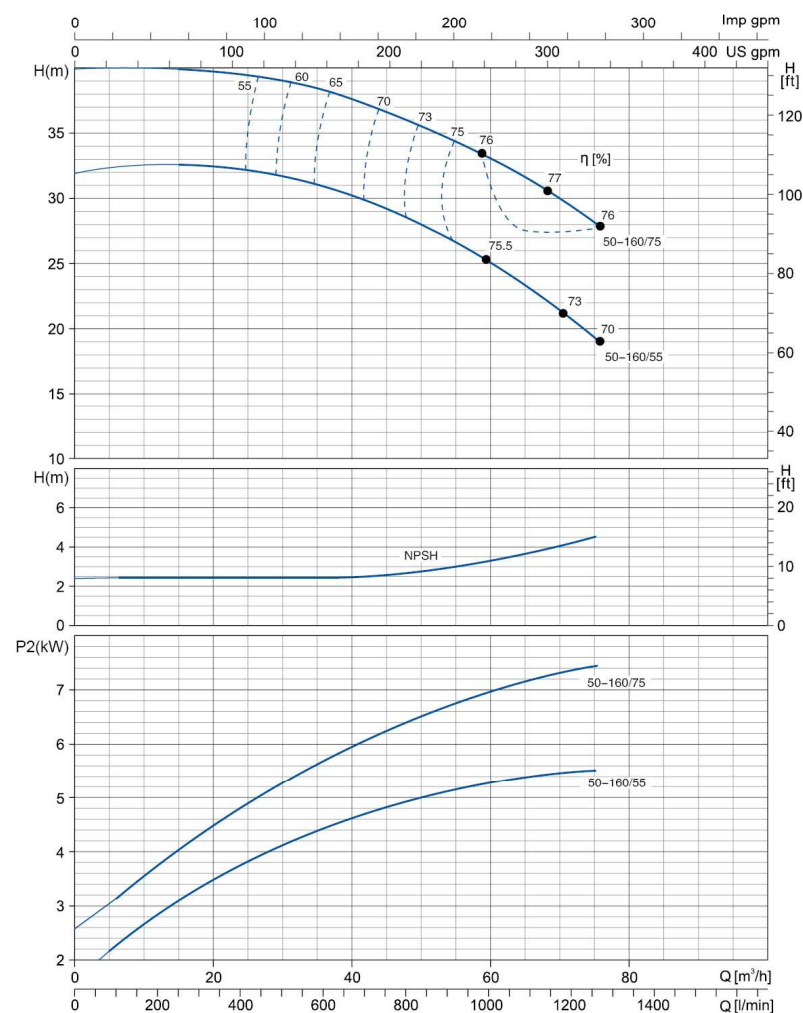
### Hydraulic Performance Curves

| EST 50-125 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



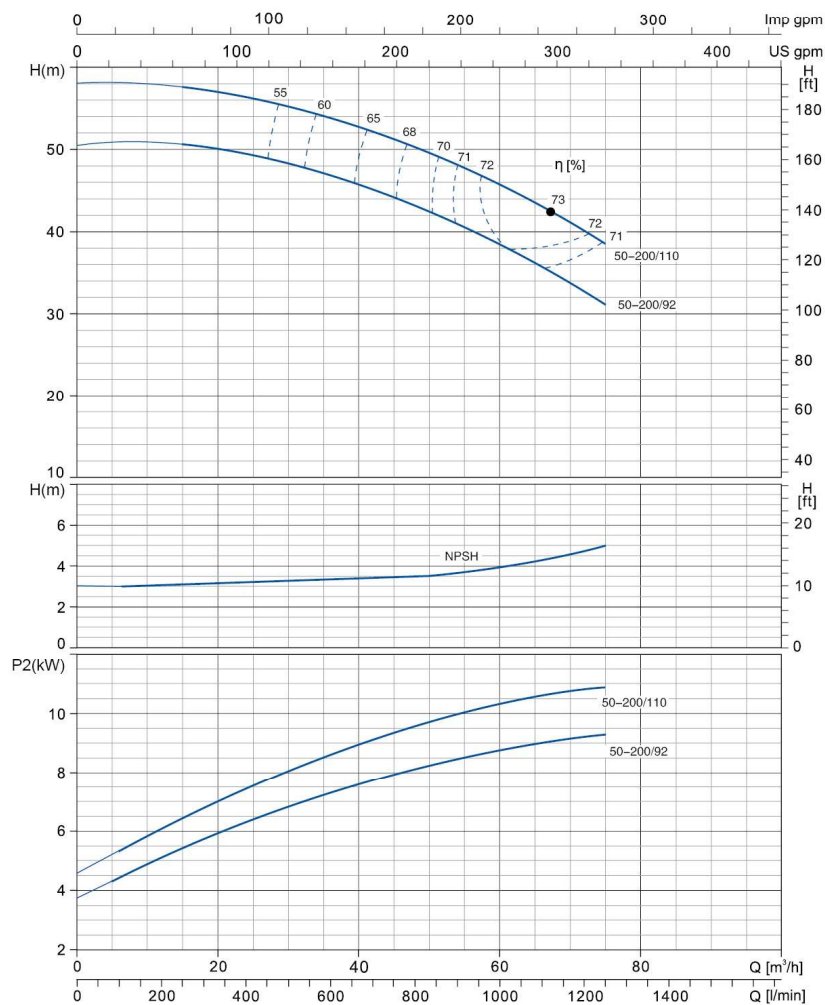
### Hydraulic Performance Curves

| EST 50-160 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



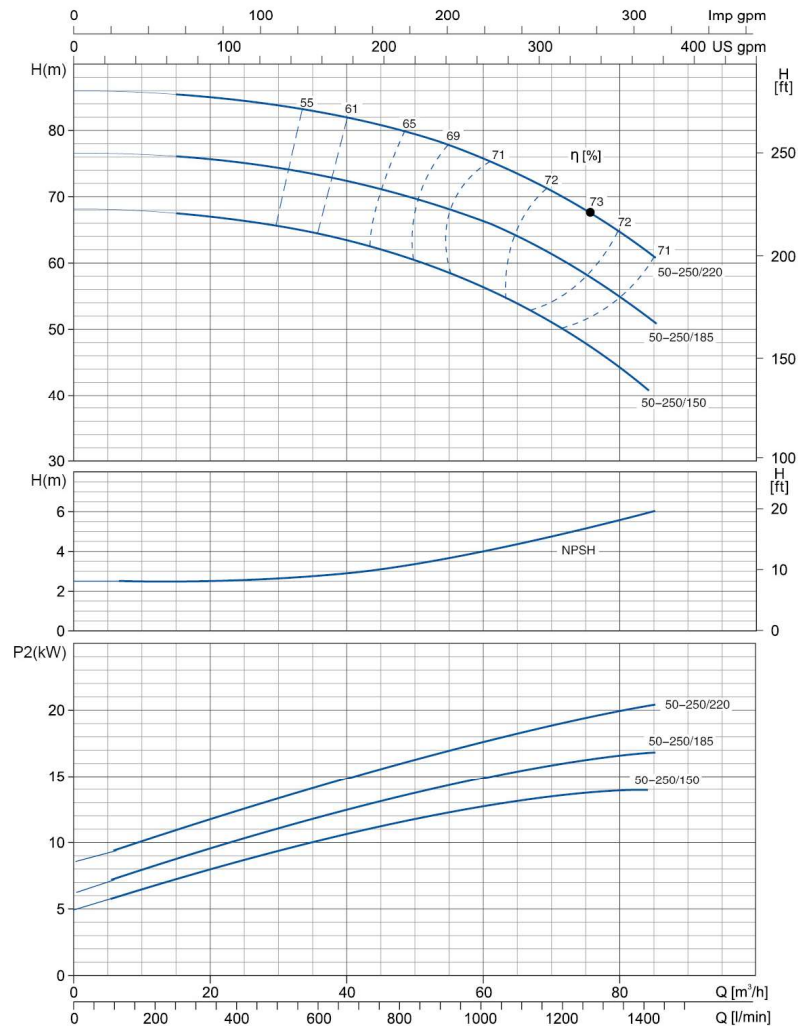
### Hydraulic Performance Curves

| EST 50-200 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



### Hydraulic Performance Curves

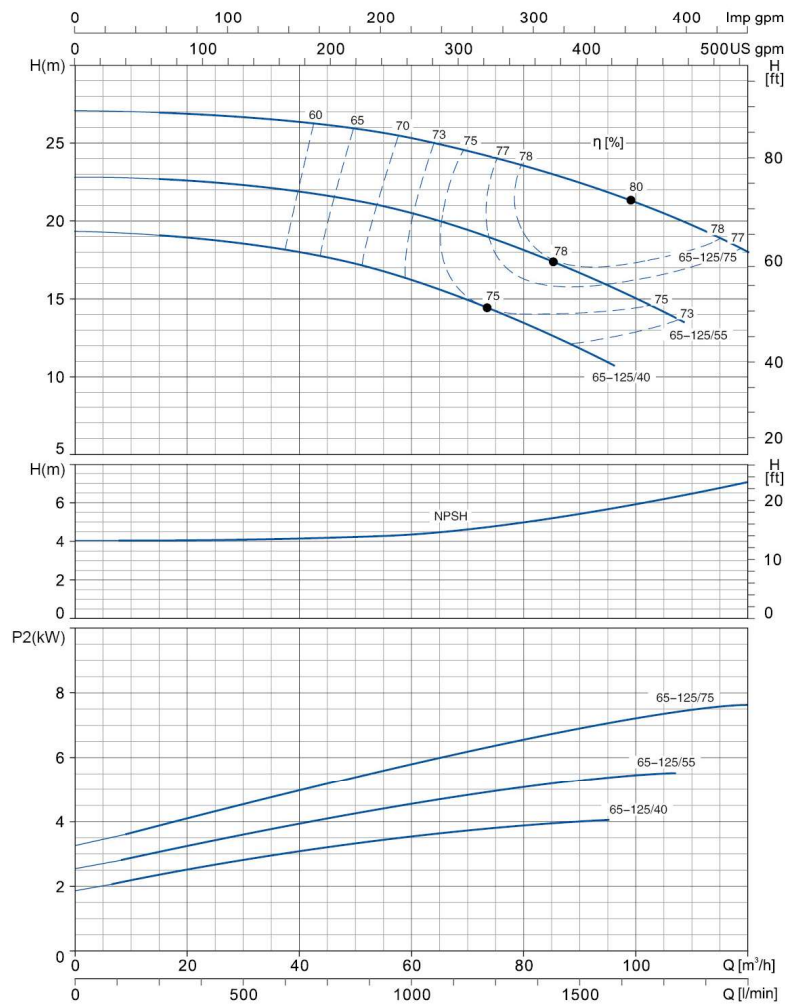
| EST 50-250 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|





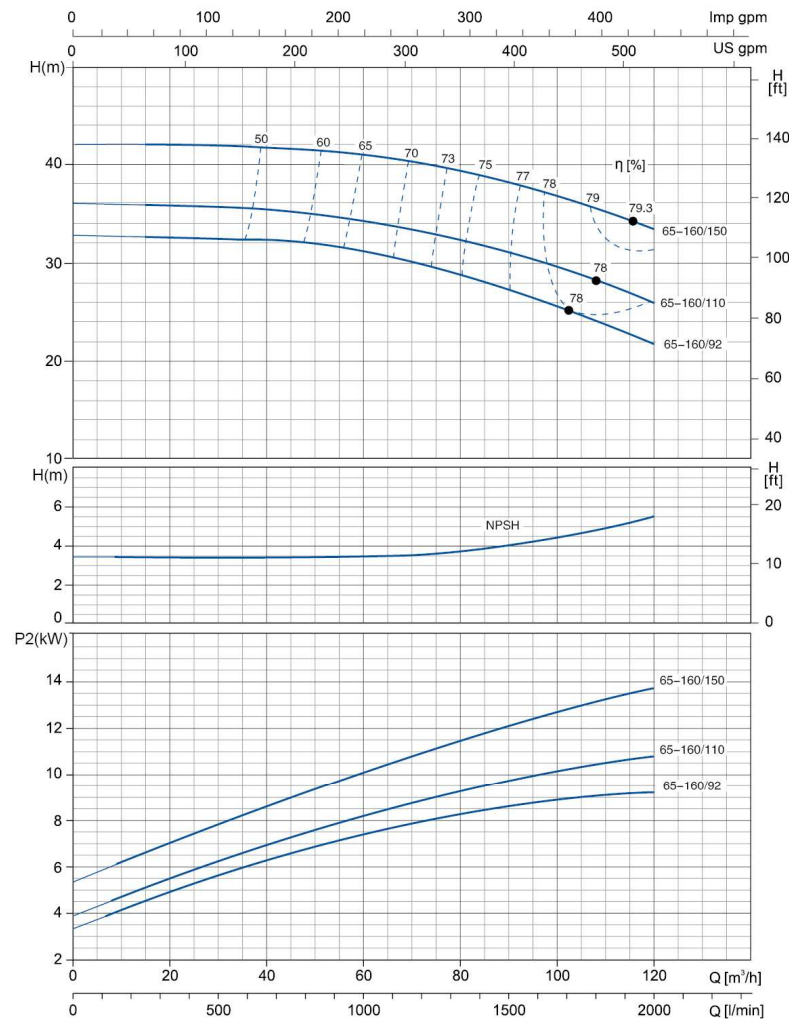
### Hydraulic Performance Curves

| EST 65-125 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



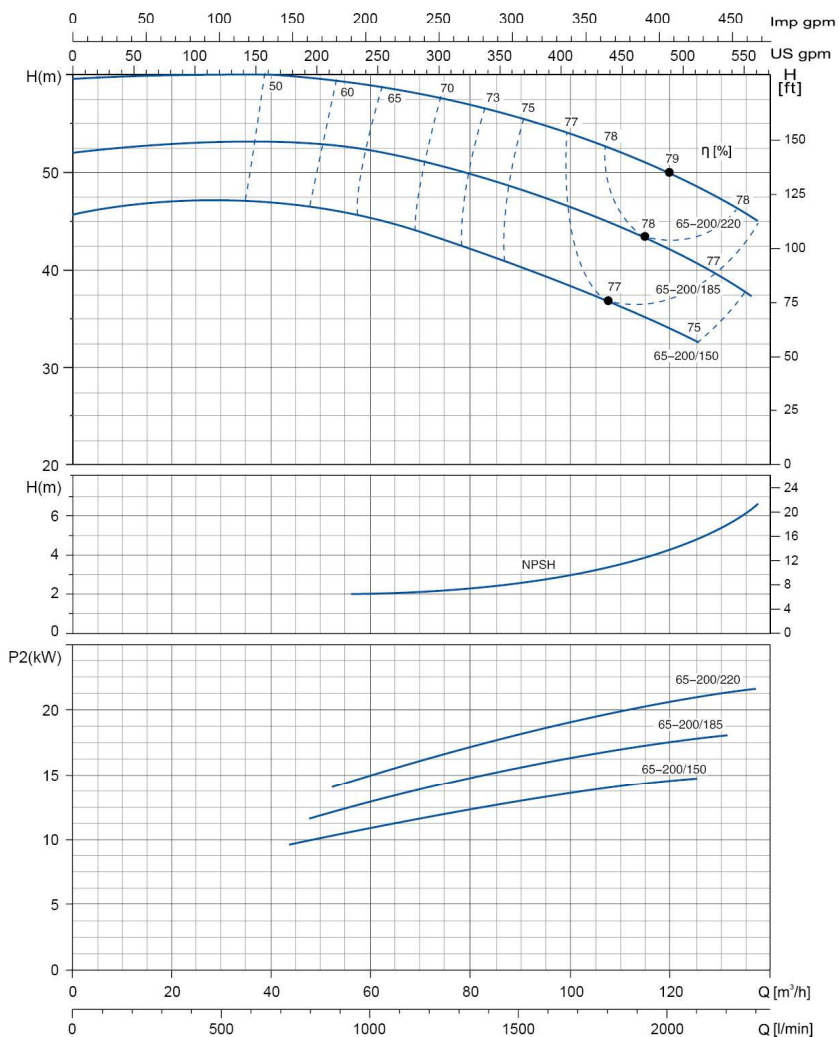
### Hydraulic Performance Curves

| EST 65-160 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



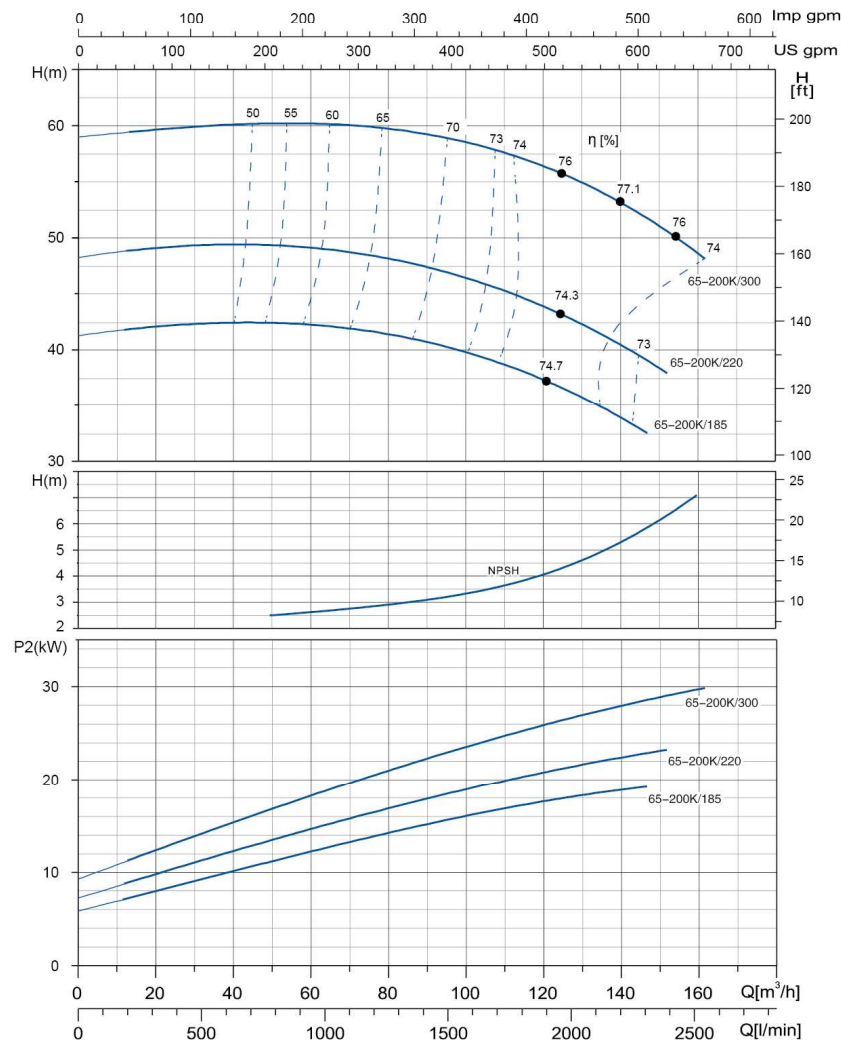
### Hydraulic Performance Curves

| EST 65-200 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



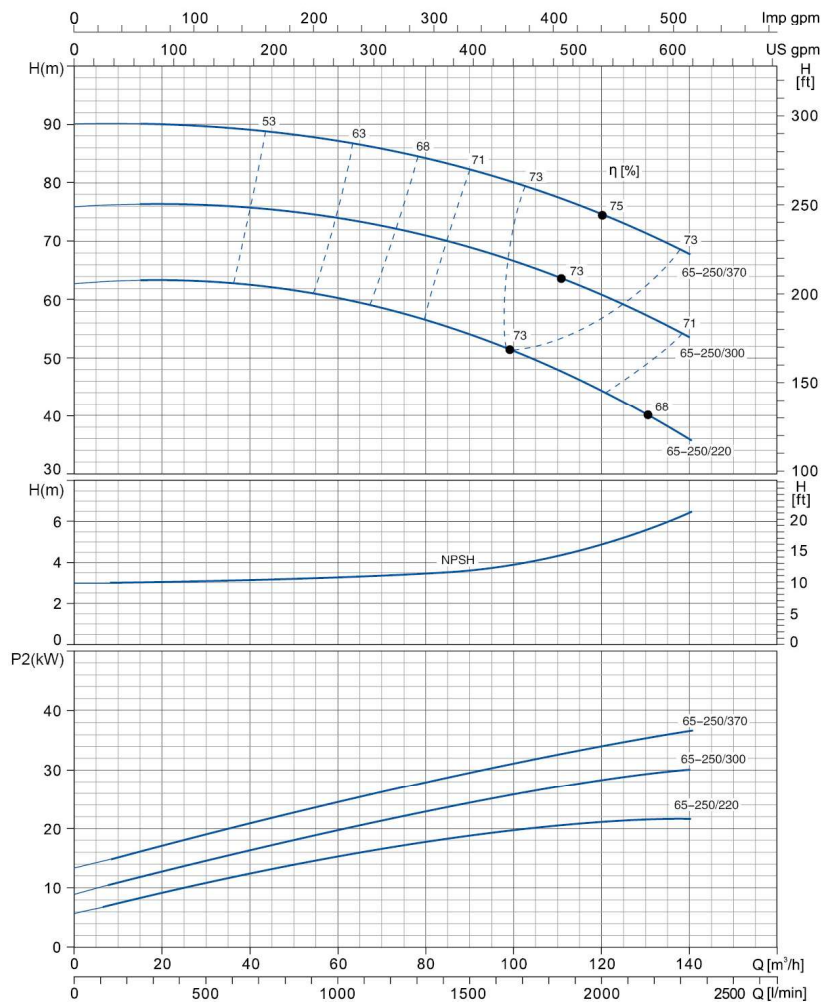
### Hydraulic Performance Curves

| EST 65-200K | ~2900 rpm | ISO 9906 Annex A |
|-------------|-----------|------------------|
|-------------|-----------|------------------|



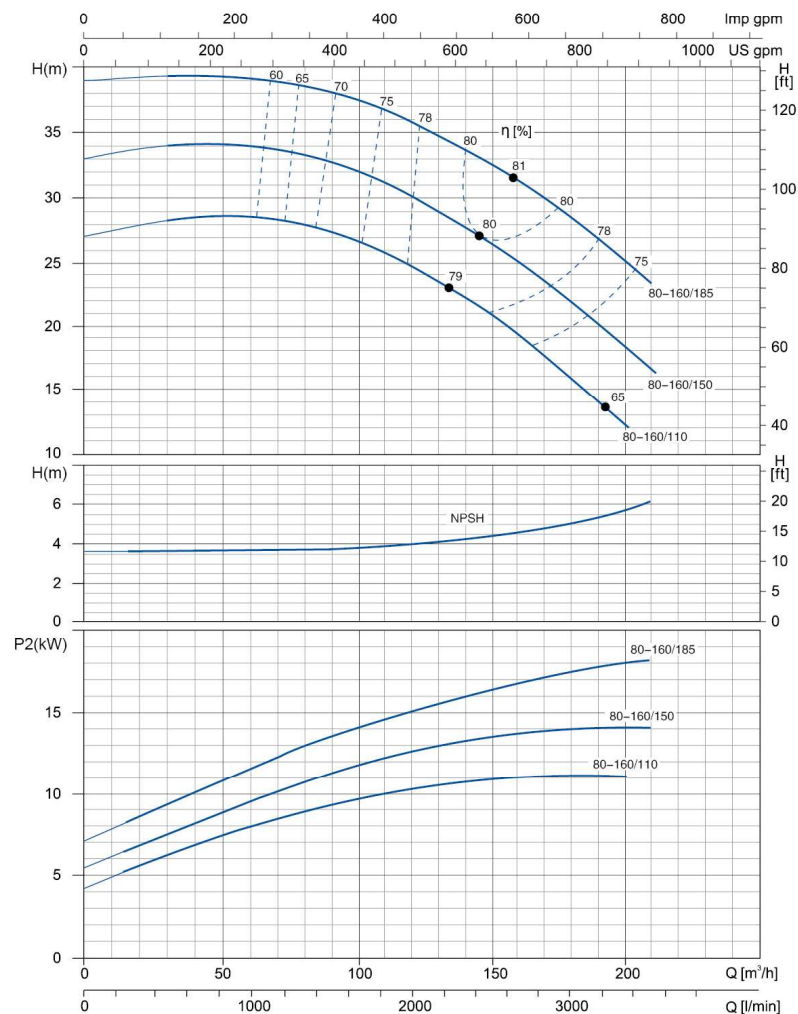
### Hydraulic Performance Curves

| EST 65-250 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



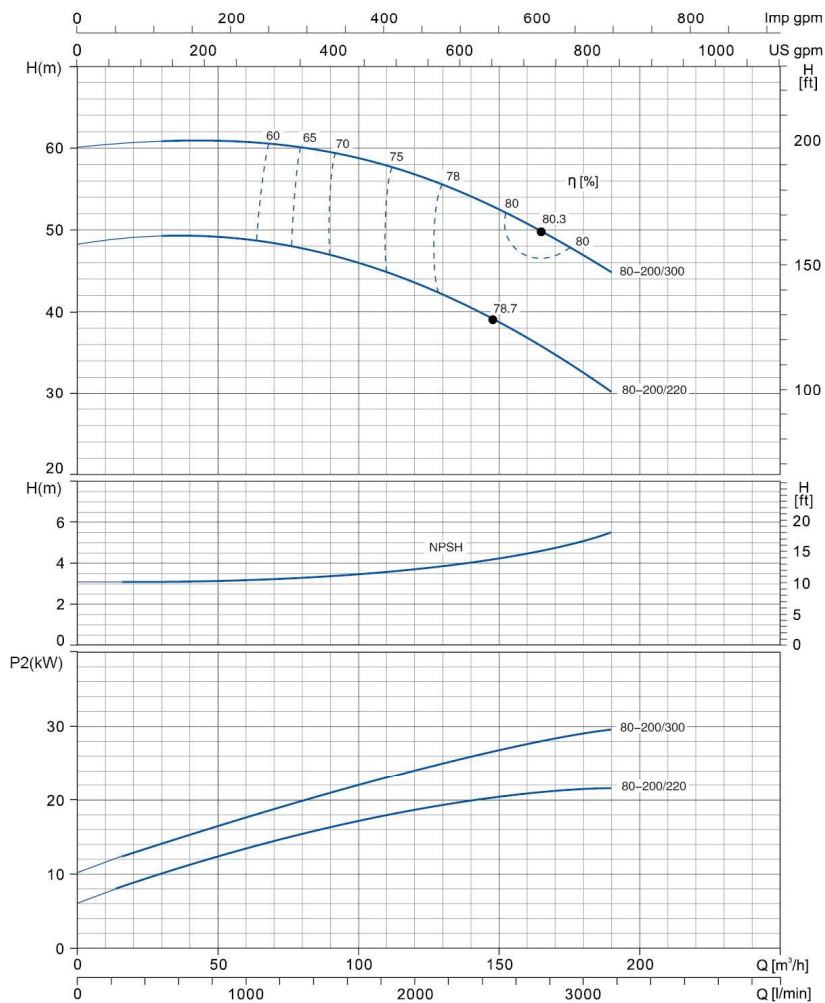
### Hydraulic Performance Curves

| EST 80-160 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



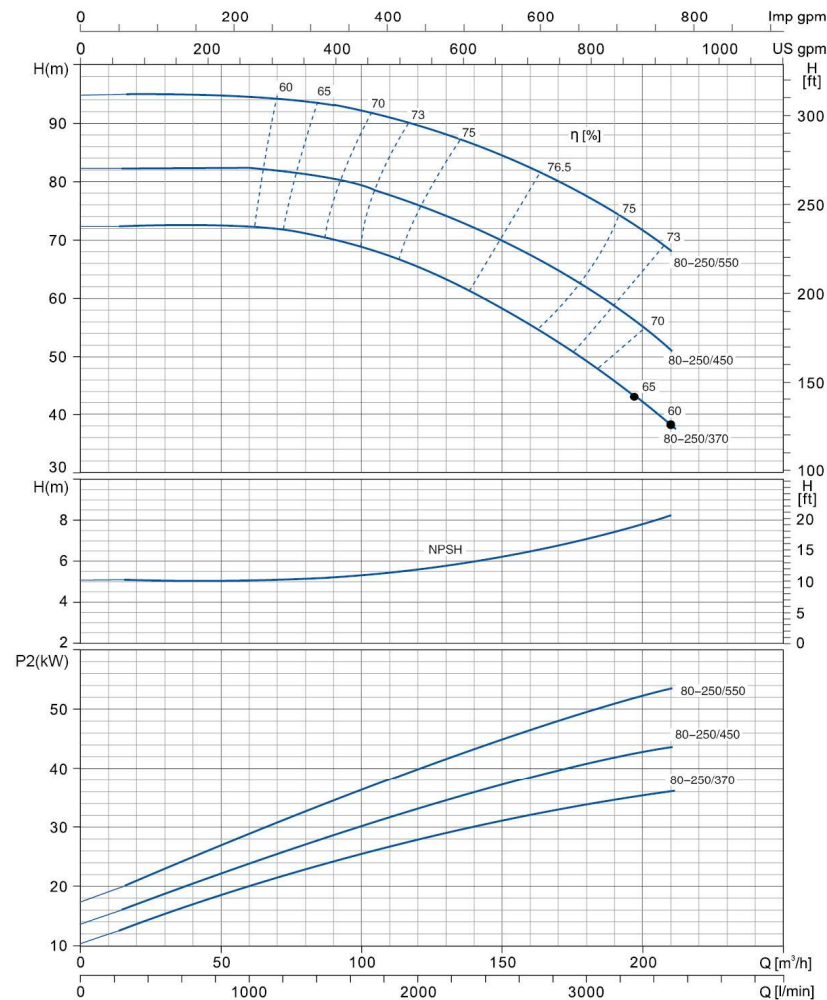
### Hydraulic Performance Curves

| EST 80-200 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|



### Hydraulic Performance Curves

| EST 80-250 | ~2900 rpm | ISO 9906 Annex A |
|------------|-----------|------------------|
|------------|-----------|------------------|

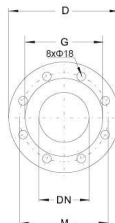




## Flange Size



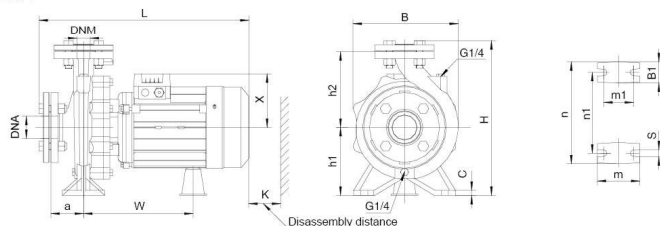
| DN | D   | M   | G   | Max. thickness |
|----|-----|-----|-----|----------------|
| 32 | 140 | 100 | 78  | 18             |
| 40 | 150 | 110 | 88  | 18             |
| 50 | 165 | 125 | 102 | 20             |
| 65 | 185 | 145 | 122 | 20             |



| DN  | D   | M   | G   | Max. thickness |
|-----|-----|-----|-----|----------------|
| 80  | 200 | 160 | 138 | 22             |
| 100 | 220 | 180 | 158 | 24             |

## Outline Drawing and Outline Size

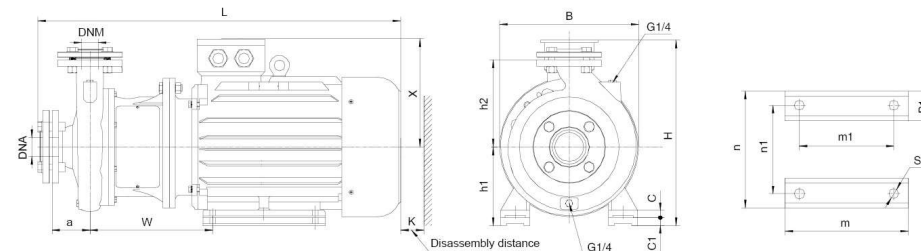
Less than or equal to 7.5 kW



| Model         | DNM | DNA | a   | h2  | w   | x   | B1 | c   | h1  | m   | m1  | n   | n1  | s   | B   | H   | L   | K   |     |     |     |     |     |     |     |  |  |  |  |
|---------------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|
| EST32-125/7   | 32  | 50  | 80  | 140 | 223 | 113 | 50 | 12  | 112 | 100 | 70  | 190 | 140 | 15  | 197 | 278 | 427 | 85  |     |     |     |     |     |     |     |  |  |  |  |
| ESTm32-125/7  |     |     |     |     |     | 123 |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| EST32-125/11  |     |     |     |     |     | 113 |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| ESTm32-125/11 |     |     |     |     |     | 123 |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| EST32-160/15  |     |     |     | 160 | 231 | 116 |    | 16  | 132 |     |     | 240 | 190 | 14  | 242 | 318 | 428 | 95  |     |     |     |     |     |     |     |  |  |  |  |
| ESTm32-160/15 |     |     |     |     |     | 123 |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| EST32-160/22  |     |     |     |     |     | 116 |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| ESTm32-160/22 |     |     |     |     |     | 141 |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| EST32-160/30  |     |     |     | 266 | 130 | 141 |    | 498 | 95  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| ESTm32-160/30 |     |     |     |     |     |     |    |     |     |     |     | 141 |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| EST32-200/30  |     |     |     | 180 | 258 | 127 |    | 12  | 160 |     |     | 272 | 212 | 308 | 384 | 614 | 60  |     |     |     |     |     |     |     |     |  |  |  |  |
| EST32-200/40  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     | 127 |     |     |     |     |     |     |     |  |  |  |  |
| EST32-250/55  |     |     |     | 154 | 198 | 263 |    | 179 | 60  |     |     | 15  | 240 | 190 | 15  | 218 | 279 | 483 | 95  |     |     |     |     |     |     |  |  |  |  |
| EST32-250/75  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | 127 |     |     |     |     |     |  |  |  |  |
| EST40-125/11  | 40  | 65  | 80  | 140 | 203 | 120 | 50 | 12  | 112 | 240 | 190 | 240 | 190 | 15  | 249 | 327 | 491 | 105 |     |     |     |     |     |     |     |  |  |  |  |
| ESTm40-125/11 |     |     |     |     |     | 128 |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| EST40-125/15  |     |     |     |     |     | 120 |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| ESTm40-125/15 |     |     |     |     |     | 128 |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| EST40-125/22  |     |     |     | 255 | 141 | 130 |    |     |     |     |     |     |     |     |     |     | 491 | 95  |     |     |     |     |     |     |     |  |  |  |  |
| ESTm40-125/22 |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     | 141 |     |     |     |     |     |     |  |  |  |  |
| EST40-160/30  |     |     |     | 168 | 127 | 132 |    |     |     |     |     |     |     |     |     |     | 240 | 190 | 15  | 249 | 327 | 491 | 105 |     |     |  |  |  |  |
| EST40-160/40  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 127 |     |  |  |  |  |
| EST40-200/55  |     |     |     | 100 | 180 | 179 |    |     |     |     |     |     |     |     |     |     | 264 | 212 | 15  | 275 | 367 | 559 | 581 |     |     |  |  |  |  |
| EST40-200/75  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 179 |     |  |  |  |  |
| EST50-125/22  |     |     |     | 50  | 65  | 80  |    | 170 | 262 | 127 | 52  | 12  | 132 | 100 | 70  | 240 | 190 | 15  | 245 | 329 | 517 | 110 |     |     |     |  |  |  |  |
| ESTm50-125/22 |     |     |     |     |     |     |    |     |     | 141 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| EST50-125/30  |     |     |     |     |     |     |    |     |     | 127 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| EST50-125/40  |     |     |     |     |     |     |    |     |     | 127 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| EGT50-160/55  | 180 | 266 | 179 |     |     |     |    |     |     |     |     |     |     |     |     | 262 | 190 |     | 15  | 271 | 367 |     | 507 | 589 |     |  |  |  |  |
| EST50-160/75  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 141 |  |  |  |  |
| EST65-125/40  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 127 |  |  |  |  |
| EST65-125/55  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 127 |  |  |  |  |
| EST65-125/75  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 127 |  |  |  |  |
| EST65-125/75  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 127 |  |  |  |  |

## Outline Drawing and Outline Size

Greater than 7.5 kW



| Model          | DNM | DNA | a   | h2  | w   | x   | B1  | C   | C1  | h1  | m   | m1  | n   | n1  | s    | B   | H    | L   | K   |     |      |     |      |     |      |      |     |     |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|-----|-----|------|-----|------|-----|------|------|-----|-----|
| EST40-250/92   | 40  | 65  | 100 | 225 | 312 | 255 | 65  | 20  | 20  | 180 | 260 | 210 | 314 | 254 | 14.5 | 350 | 445  | 840 | 110 |     |      |     |      |     |      |      |     |     |
| EST40-250/110  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST40-250/150  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST50-200/92   | 50  | 65  | 100 | 220 | 310 | 255 | 65  | 20  | -   | 160 | 260 | 210 | 314 | 254 | 14.5 | 350 | 425  | 838 | 120 |     |      |     |      |     |      |      |     |     |
| EST50-200/110  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST50-250/150  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST50-250/185  |     |     |     | 180 |     |     |     |     |     |     |     |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST50-250/220  |     |     |     |     | 304 | 254 | 349 | 279 | 465 | 923 | 110 |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST65-160/92   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST65-160/110  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST65-160/150  | 65  | 80  | 100 | 200 | 312 | 255 | 65  | 20  | -   | 160 | 260 | 210 | 314 | 254 | 14.5 | 350 | 425  | 840 | 125 |     |      |     |      |     |      |      |     |     |
| EST65-200/150  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST65-200/185  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |      |     |     | 180 |      |     |      |     |      |      |     |     |
| EST65-200/220  |     |     |     | 304 | 254 | 349 | 279 | 445 |     | 882 | 110 |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST65-200K/185 |     |     |     | 311 | 241 |     |     |     | 349 |     |     | 279 | 355 | 465 |      |     |      |     |     |     | 923  |     |      |     |      |      |     |     |
| EST65-200K/220 |     |     |     | 337 | 255 |     |     |     | 65  |     |     | 20  |     |     |      |     |      |     |     | 20  |      | 304 | 254  | 314 | 254  | 350  | 445 | 909 |
| EST65-250/220  |     |     |     | 350 | 280 | 70  | 22  | -   | 311 | 241 | 349 | 279 |     |     |      |     |      |     |     | 465 |      | 950 |      |     |      |      |     |     |
| EST65-250/300  |     |     |     | 362 | 305 | 25  | 22  |     | -   | 200 | 368 | 305 | 388 | 318 |      |     |      |     |     |     | 18.5 |     | 400  | 505 | 1027 |      |     |     |
| EST65-250/370  |     |     |     | 353 | 280 |     |     |     |     | 25  | 200 | 368 | 305 | 388 |      |     |      |     |     |     | 318  |     | 18.5 | 400 | 505  | 1030 |     |     |
| EST80-160/110  |     |     |     | 365 | 305 |     |     | 25  |     |     |     |     |     |     |      |     |      |     |     | 200 |      | 368 |      |     |      |      | 305 | 388 |
| EST80-160/150  | 225 | 315 | 255 | 65  | 20  | 160 | 260 |     | 210 |     |     |     |     |     | 314  | 254 | 350  | 425 | 869 |     |      |     |      |     |      |      |     |     |
| EST80-160/185  |     |     |     |     |     |     |     |     |     | 250 | 352 | 250 | 70  | 22  |      |     |      |     |     |     | -    |     | 180  | 311 | 241  | 349  |     |     |
| EST80-200/220  |     |     |     |     |     |     |     | 364 |     |     |     |     |     |     |      |     |      |     |     | 306 |      | 70  |      |     |      |      | 26  | 200 |
| EST80-200/300  | 370 | 386 | 335 | 75  | 28  | 225 | 393 |     | 311 |     |     |     |     |     | 431  | 356 | 18.5 | 450 | 560 |     |      |     |      |     |      |      |     |     |
| EST80-250/370  |     |     |     |     |     |     |     |     |     | 438 | 370 | 80  | 30  | 30  |      |     |      |     |     |     | 280  |     | 445  | 349 | 484  | 406  |     |     |
| EST80-250/450  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |
| EST80-250/550  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |      |     |     |     |      |     |      |     |      |      |     |     |