



PV

Vertical multistage centrifugal pump

NEW DESCRIPTION

- ◆ New design noiseless, energy-saving multistage pump
- ◆ Ensuring durability and easy in operation
- ◆ A wide range of products will meet every requirement
- ◆ YE3 high efficient motor, with protection IP55 class F
- ◆ Impeller in techno-polimer
- ◆ Suction and discharge port in cast iron G20 thread
- ◆ Quality NSK bearing, wear resistance mechanical seal
- ◆ Compact and proportional design

APPLICATIONS

- ◆ The high efficiency and noiseless operation which allows these pumps to be used in conditions households, irrigation, car washes, fire protection systems, air conditioning and lifting installations water pressure in the network.

USING LIMITS

- ◆ Liquid temperature between **-10°C** and **+120°C**
- ◆ Ambient temperature between **-10°C** and **+50°C**
- ◆ Max. working pressure **25 bar**
- ◆ Continuous service **S1**



TECHNICAL DATA

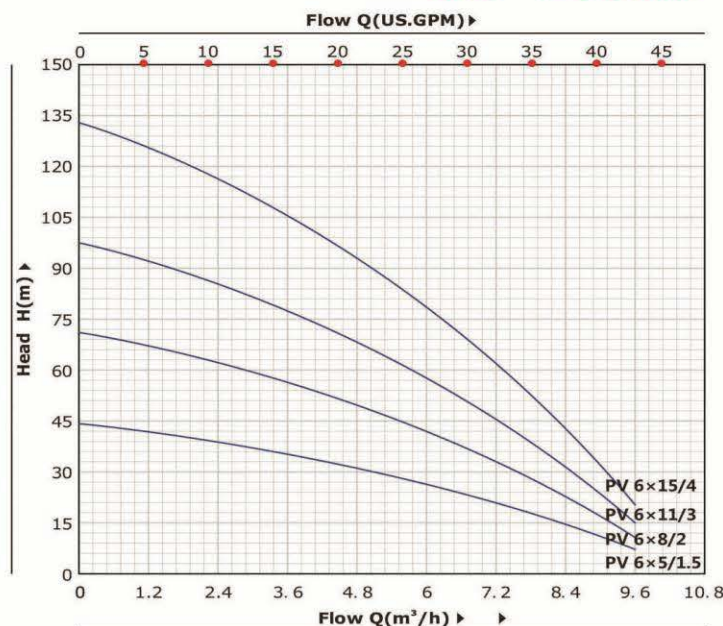
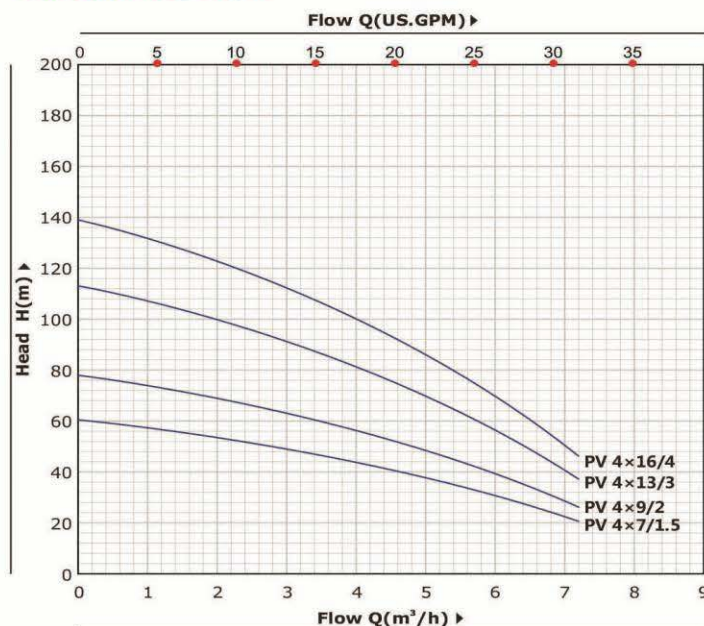
50 Hz n=2900 1/min

| MODEL | Power | | us gpm | Q=DELIVERY | | | | | | | | | | | | | | | | | DN | | | | |
|--------------|-------|-----|-----------|------------|------|------|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | | | | 0 | 5 | 11 | 13 | 16 | 19 | 21 | 24 | 26 | 29 | 32 | 37 | 42 | 48 | 53 | 58 | 63 | | 69 | 74 | 79 | |
| | l/min | 0 | 20 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | | 300 | | | |
| | | kw | hp | m³/h | 0 | 1.2 | 2.4 | 3 | 3.6 | 4.2 | 4.8 | 5.4 | 6 | 6.6 | 7.2 | 8.4 | 9.6 | 10.8 | 12 | 13.2 | | 14.4 | 15.6 | 16.8 | 18 |
| PV 4×7/1.5 | 1.1 | 1.5 | H(m) | 60.7 | 56.8 | 52.1 | 49 | 45.9 | 42.8 | 38.9 | 35 | 30.3 | 25.7 | 20.2 | | | | | | | | | | | 25x25 |
| PV 4×9/2 | 1.5 | 2 | | 78 | 73 | 67 | 63 | 59 | 55 | 50 | 45 | 39 | 33 | 26 | | | | | | | | | | | 25x25 |
| PV 4×13/3 | 2.2 | 3 | | 113 | 105 | 96.8 | 91 | 85.2 | 79.4 | 72.2 | 65 | 56.3 | 47.7 | 37.5 | | | | | | | | | | | 25x25 |
| PV 4×16/4 | 3 | 4 | | 139 | 130 | 119 | 112 | 105 | 97.8 | 88.9 | 80 | 69.3 | 58.7 | 46.2 | | | | | | | | | | | 25x25 |
| PV 6×5/1.5 | 1.1 | 1.5 | | 44.4 | | | | 135.5 | 33.3 | 30.9 | 28.4 | 26.1 | 23.4 | 20.2 | 14.3 | 6.8 | | | | | | | | | 32x32 |
| PV 6×8/2 | 1.5 | 2 | | 71.1 | | | | 56.7 | 53.2 | 49.5 | 45.5 | 41.8 | 37.5 | 32.4 | 22.9 | 10.9 | | | | | | | | | 32x32 |
| PV 6×11/3 | 2.2 | 3 | | 97.7 | | | | 78 | 73.2 | 68 | 62.5 | 57.5 | 51.5 | 44.5 | 31.5 | 15 | | | | | | | | | 32x32 |
| PV 6×15/4 | 3 | 4 | | 133 | | | | 106 | 99.8 | 92.7 | 85.2 | 78.4 | 70.2 | 60.7 | 43 | 20.5 | | | | | | | | | 32x32 |
| PV 8×4/1.5 | 1.1 | 1.5 | | 36.8 | | | | | | | 30 | 28.4 | 27.2 | 26 | 24.4 | 21.2 | 17.6 | 13.2 | 9.2 | 4.8 | | | | | 40x40 |
| PV 8×7/2 | 1.5 | 2 | | 64.4 | | | | | | | 52.5 | 49.7 | 47.6 | 45.5 | 42.7 | 37.1 | 30.8 | 23.1 | 16.1 | 8.4 | | | | | 40x40 |
| PV 8×9/3 | 2.2 | 3 | | 82.8 | | | | | | | 67.5 | 63.9 | 61.2 | 58.5 | 54.9 | 47.7 | 39.6 | 29.7 | 20.7 | 10.8 | | | | | 40x40 |
| PV 8×12/4 | 3 | 4 | | 110 | | | | | | | 90 | 85.2 | 81.6 | 78 | 73.2 | 63.6 | 52.8 | 39.6 | 27.6 | 14.4 | | | | | 40x40 |
| PV 8×16/5.5 | 4 | 5.5 | | 147 | | | | | | | 120 | 114 | 109 | 104 | 97.6 | 84.8 | 70.4 | 52.8 | 36.8 | 19.2 | | | | | 40x40 |
| PV 12×3/1.5 | 1.1 | 1.5 | | 31 | | | | | | | | | 25.4 | 24.7 | 24 | 22.4 | 20.6 | 18.4 | 16.2 | 13.3 | 10.9 | 8.3 | 5.1 | 2 | 50x50 |
| PV 12×5/2 | 1.5 | 2 | | 51.7 | | | | | | | | | 42.4 | 41.2 | 40 | 37.3 | 34.3 | 30.7 | 27 | 22.2 | 18.2 | 13.8 | 8.5 | 3.3 | 50x50 |
| PV 12×7/3 | 2.2 | 3 | | 72.3 | | | | | | | | | 59.3 | 57.6 | 56 | 52.3 | 48.1 | 43 | 37.8 | 31 | 25.5 | 19.4 | 11.9 | 4.7 | 50x50 |
| PV 12×9/4 | 3 | 4 | | 93 | | | | | | | | | 76.2 | 74.1 | 72 | 67.2 | 61.8 | 55.2 | 48.6 | 39.9 | 32.8 | 24.9 | 15.4 | 6 | 50x50 |
| PV 12×12/5.5 | 4 | 5.5 | | 122 | | | | | | | | | 102 | 98.8 | 96 | 89.6 | 82.4 | 73.6 | 64.8 | 53.2 | 43.8 | 33.2 | 20.5 | 8 | 50x50 |
| PV 12×17/7.5 | 5.5 | 7.5 | | 176 | | | | | | | | | 144 | 140 | 136 | 127 | 117 | 104 | 91.8 | 75.4 | 62 | 47 | 29 | 11.3 | 50x50 |

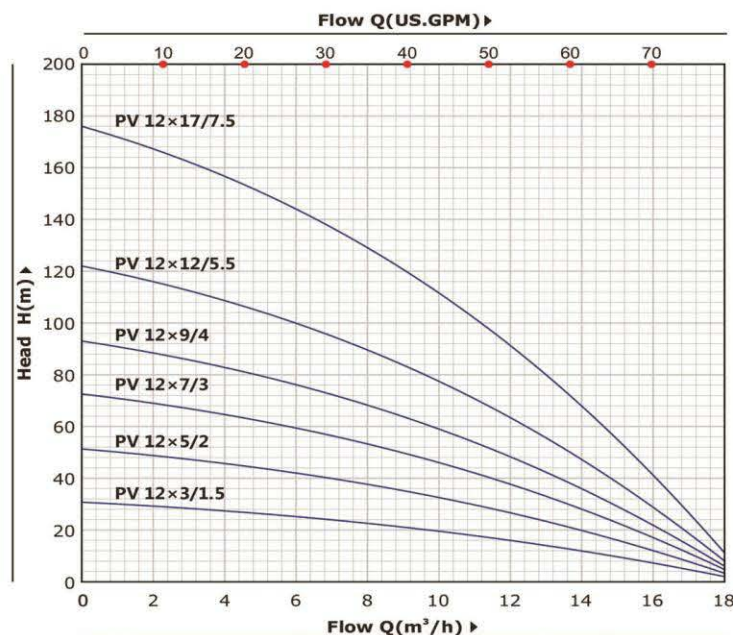
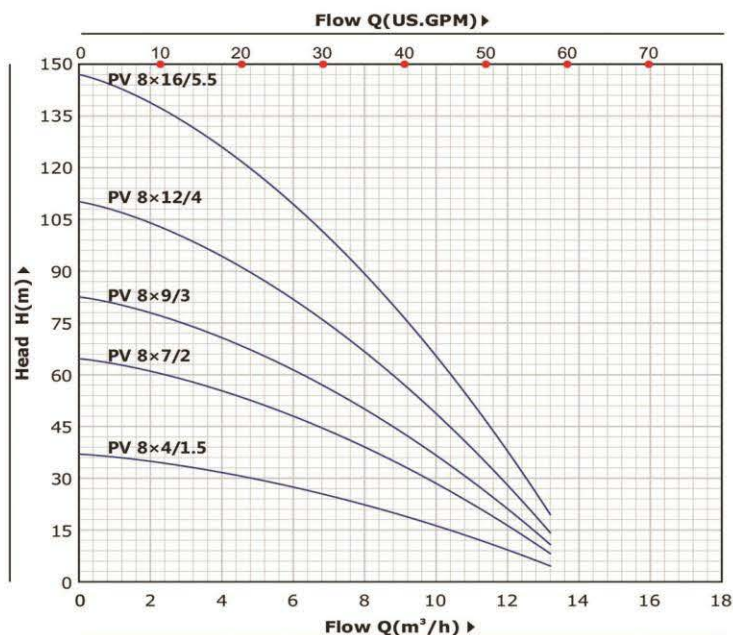
| MODEL | Power | | us gpm | Q=DELIVERY | | | | | | | | DN | |
|-------------|-------|------|-----------|------------|-----|-----|-----|-----|-----|-----|-----|----|----------------|
| | | | | 0 | 26 | 53 | 79 | 106 | 132 | 159 | 185 | | 211 |
| | l/min | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | | | |
| | | kw | hp | m³/h | 0 | 6 | 12 | 18 | 24 | 30 | 36 | | 42 |
| PV 30×7/10 | 7.5 | 10 | H(m) | 104 | 100 | 93 | 83 | 74 | 64 | 49 | 31 | 4 | 50x50 65x65 |
| PV 30×9/12 | 9.2 | 12.5 | | 133 | 128 | 119 | 108 | 96 | 82 | 63 | 40 | 5 | |
| PV 30×11/15 | 11 | 15 | | 163 | 156 | 145 | 132 | 116 | 99 | 77 | 48 | 6 | |

PERFORMANCE CURVE

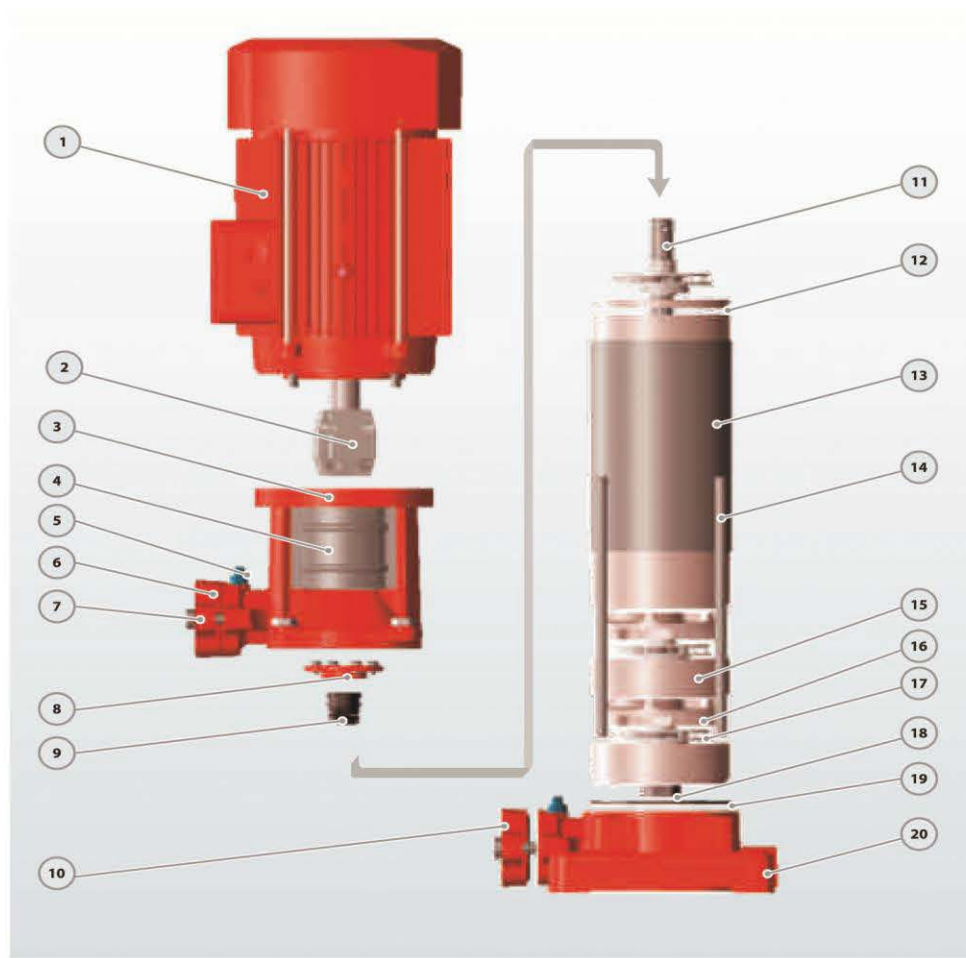
50 Hz n=2900 1/min



PERFORMANCE CURVE

50 Hz $n=2900$ 1/min


MATERIAL DESCRIPTION

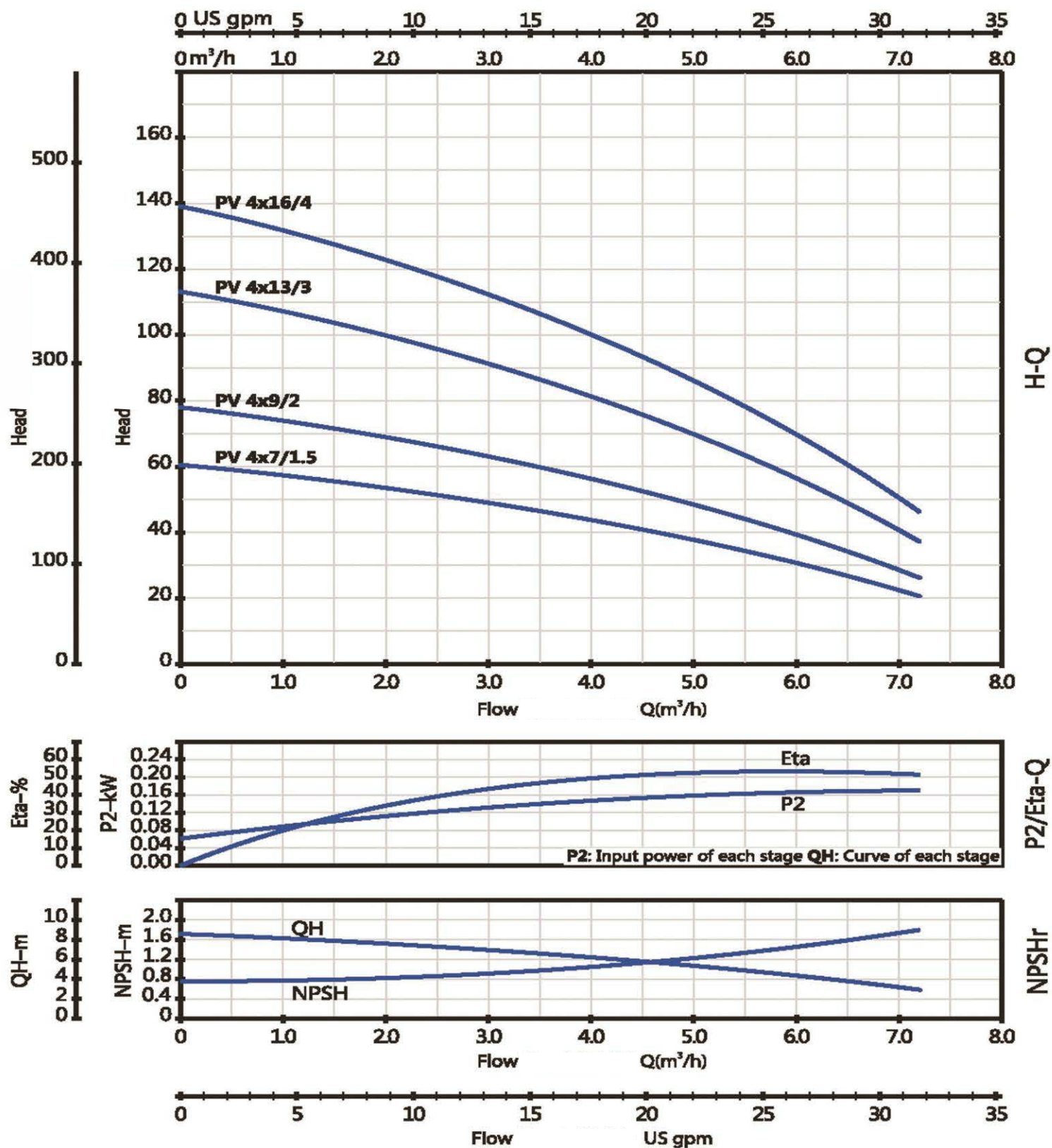


| No. | Description | Material |
|-----|--------------------|-------------------------------|
| 1 | Motor | IP55 Class F |
| 2 | Coupling | Iron |
| 3 | Discharge Body | Cast iron |
| 4 | Cover | SS304 |
| 5 | Release Valve | Brass |
| 6 | Discharge | Cast iron |
| 7 | Bolt | Steel |
| 8 | Seal Cover | Cast iron |
| 9 | Mechanical Seal | SiC/Carbon/SS304 |
| 10 | Suction | Cast iron |
| 11 | Pump Shaft | SS304/45# Iron |
| 12 | Diffuser Top Cover | Technopolimer |
| 13 | Pump Cover | SS304 |
| 14 | Through Bolt | Steel |
| 15 | Diffuser Cover | Technopolimer with SS304 ring |
| 16 | Diffuser | Technopolimer with SS304 ring |
| 17 | Impeller | Technopolimer |
| 18 | Impeller Nut | Galvanized Steel |
| 19 | O-ring | Rubber |
| 20 | Suction Body | Cast iron |



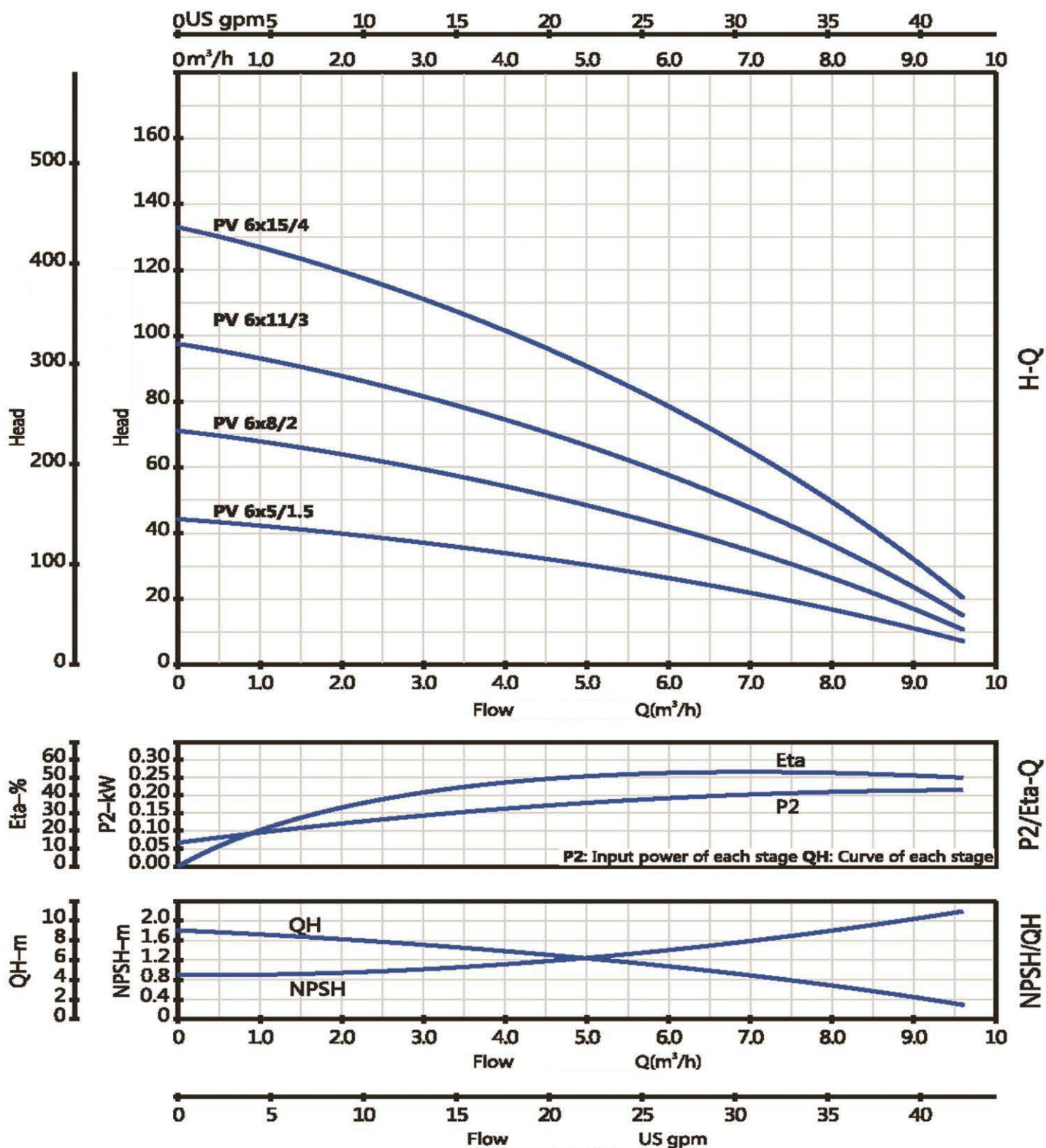
PV 4

2900rpm



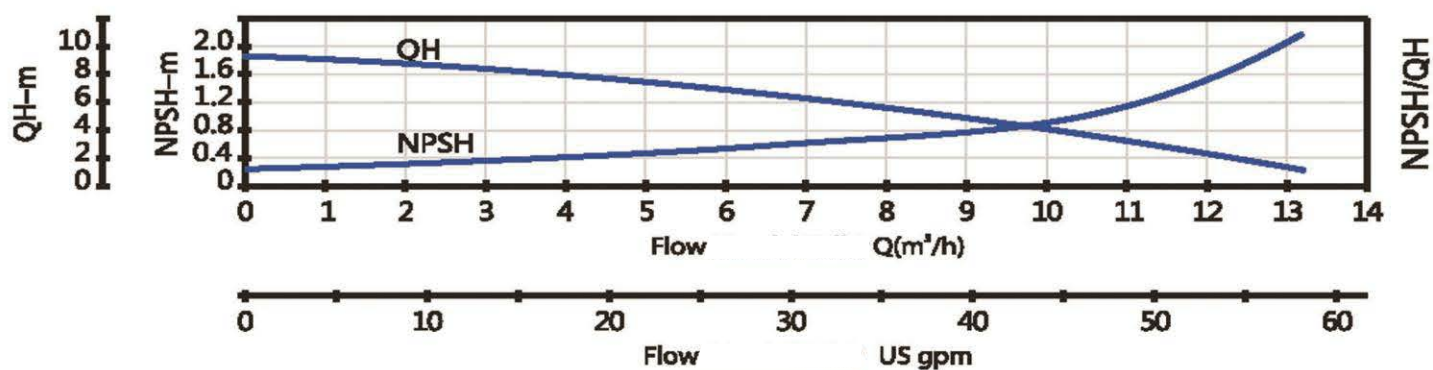
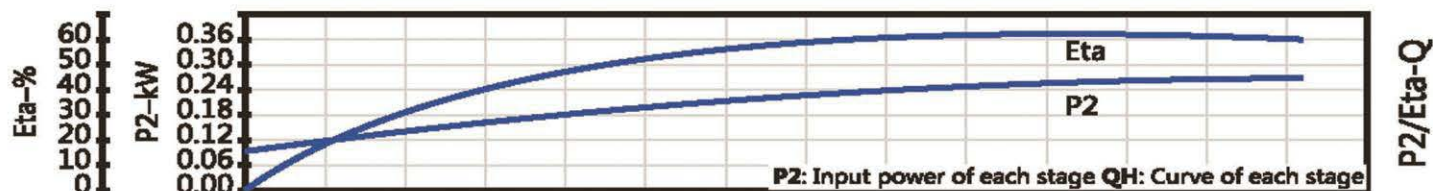
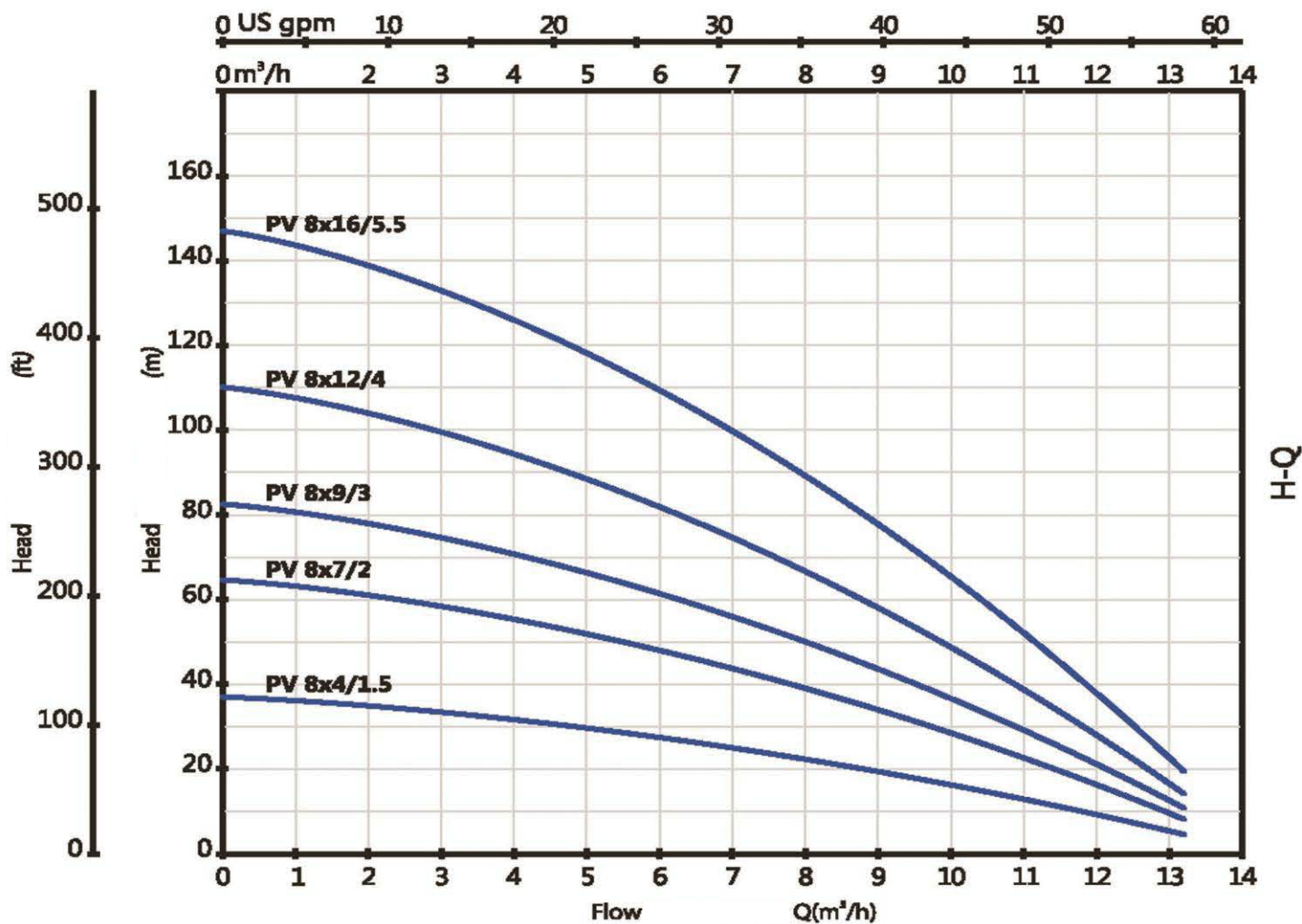
PV 6

2900rpm



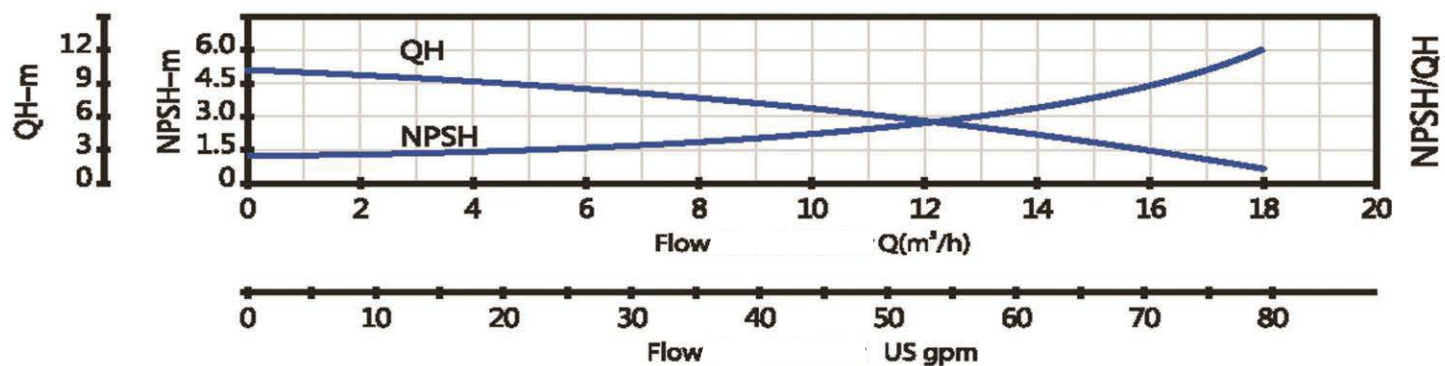
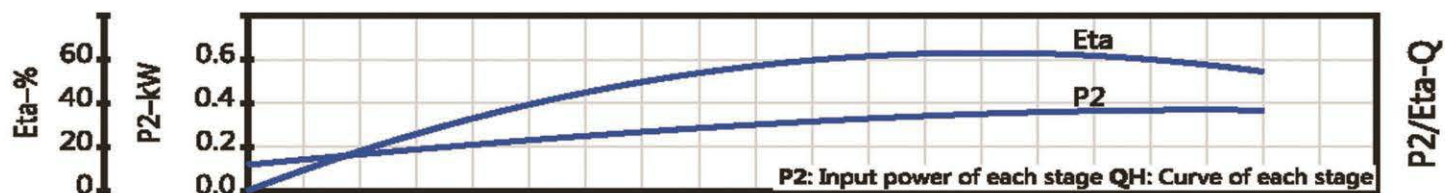
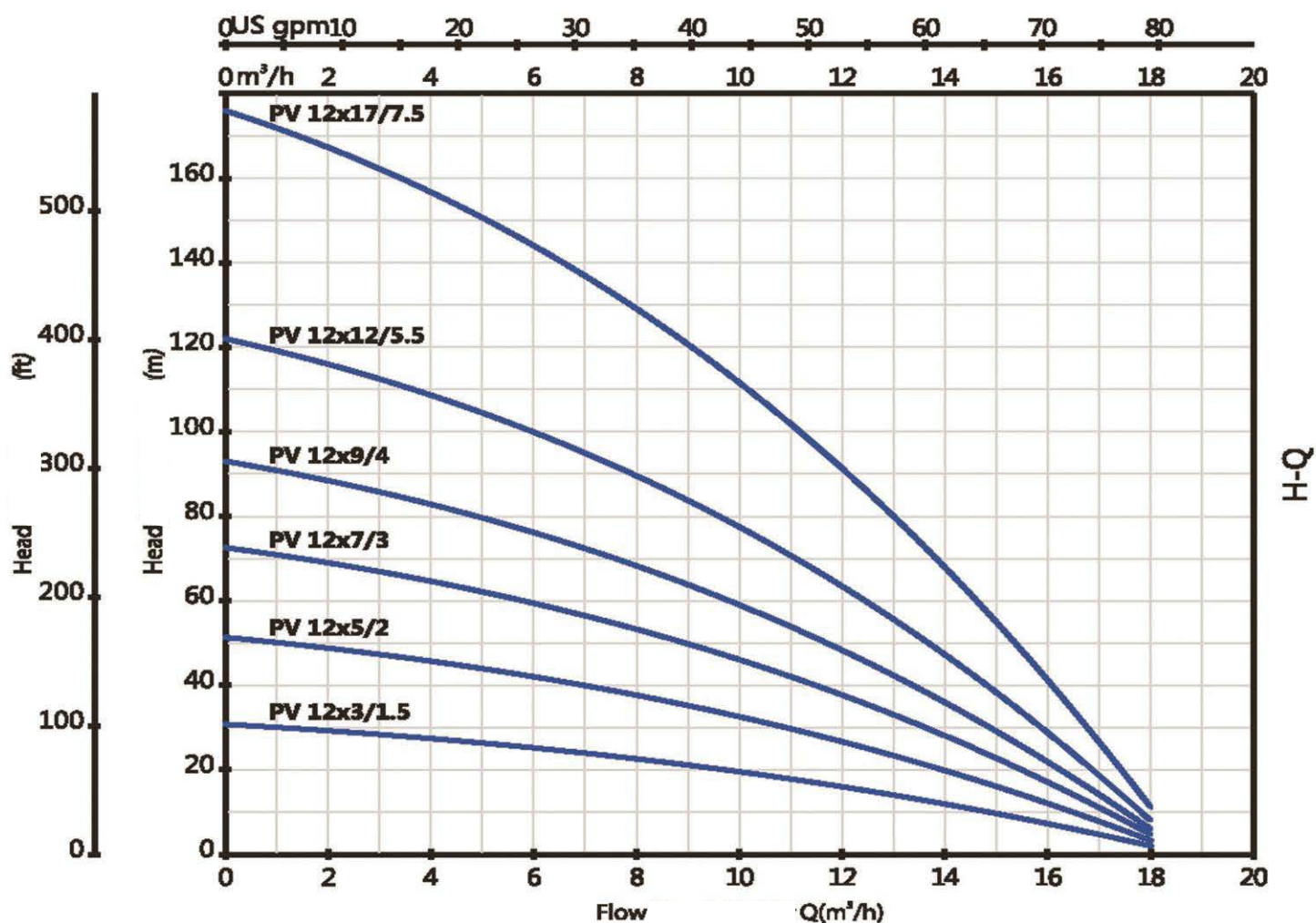
PV 8

2900rpm



PV 12

2900rpm



PV 30

2900rpm

