

-  Clean water
-  Domestic use
-  Civil use



### INSTALLATION AND USE

**GP2A** is a pre-assembled system designed to connect to water mains or a primary collection tanks. It provides water supply and pressurization and is ideal for residential, commercial, and public buildings. It's also suitable for hotels, park irrigation, as well as industrial water handling and treatment.

**GP2A** is compatible with clean water and aqueous solutions that do not chemically or mechanically harm the materials used and are free from abrasive or fibrous substances.

### PRODUCT DESCRIPTION

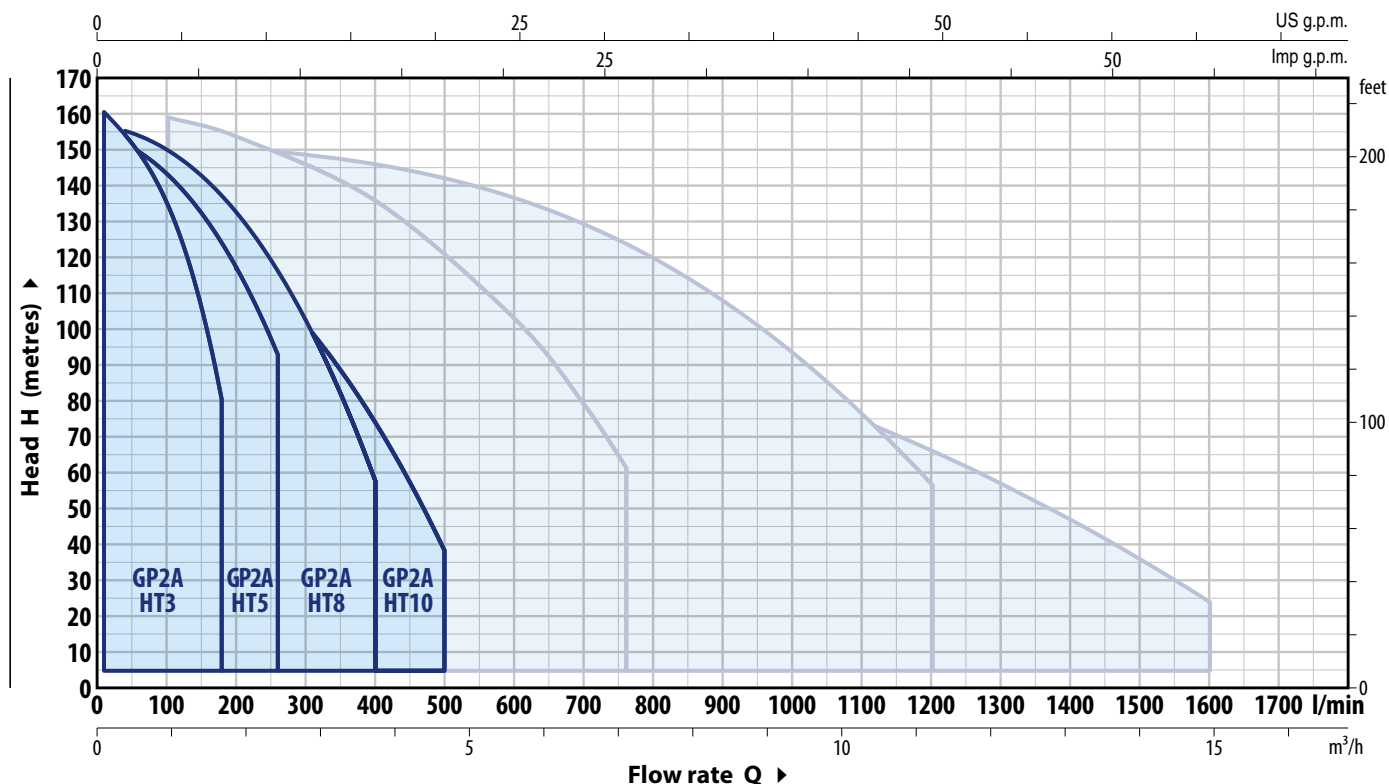
**GP2A** is a variable-speed pressure boosting unit **comprising two electric pumps** connected in parallel and integrated into a single assembly. The system is electronically managed by two interconnected **PRO-DG** controllers, which automatically adjust pump operation to match varying water demand, maintaining a constant system pressure under all operating conditions.

When water withdrawal reduces the system pressure, the first pump activates to meet the required flow rate, maintaining pressure at the set value. As the maximum rotation speed is reached, additional pumps start up in sequence to fulfill the system's water demand.

### CONSTRUCTION FEATURES

- **PUMPS** connected in parallel via suction and discharge manifolds.  
Each unit is equipped with ball valves on the suction side, and with ball valves and non-return valves on the discharge side.
- **BASE FRAME** manufactured from steel profiles and fitted with anti-vibration feet.
- **GP2A** booster sets use inverter technology to maintain constant system pressure. A pressure transducer continuously monitors system pressure and enables automatic speed control of the motors, matching pump performance to the user actual water demand. Each inverter can manage the alternating operation of pumps as needed.
- **GP2A** is designed to protect the system from:
  - dry running
  - overvoltage and undervoltage
- **CONTROL PANEL** equipped with magnetothermal motor protection circuit breakers for three-phase versions, and magnetothermal circuit breakers for single-phase versions.
- **APPLICATION LIMITS**
  - Liquid temperature between **0 °C** up to **+60 °C**
  - Ambient temperature between **-10 °C** up to **+40 °C**
  - Maximum working pressure **16 bar**
  - Continuous running duty **S1**
- **POWER SUPPLY**
  - **GP2Am**: single-phase 230V  $\pm 10\%$  50/60Hz
  - **GP2A**: three-phase 400V  $\pm 10\%$  50/60Hz

## FIELD AND PERFORMANCE DATA (GP2A-HT 3, HT 5, HT 8, HT 10)



| TYPE         |              | POWER (P <sub>2</sub> ) |       | Q   |       |     |     |     |     |     |     |     |      |      |  |
|--------------|--------------|-------------------------|-------|-----|-------|-----|-----|-----|-----|-----|-----|-----|------|------|--|
| Single-phase | Three-phase  | kW                      | HP    |     | m³/h  | 0   | 0.3 | 0.6 | 1.2 | 2.4 | 4.8 | 7.2 | 9.6  | 10.8 |  |
| GP2A-HTm 3/5 | GP2A-HT 3/5  | 2×1.1                   | 2×1.5 | H m | l/min | 0   | 5   | 10  | 20  | 40  | 80  | 120 | 160  | 180  |  |
| GP2A-HTm 3/6 | GP2A-HT 3/6  | 2×1.5                   | 2×2   |     |       | 81  | 80  | 80  | 79  | 77  | 71  | 63  | 49.5 | 41   |  |
| GP2A-HTm 3/7 | GP2A-HT 3/7  | 2×1.8                   | 2×2.5 |     |       | 97  | 96  | 96  | 95  | 92  | 86  | 75  | 59   | 48   |  |
| -            | GP2A-HT 3/8  | 2×2.2                   | 2×3   |     |       | 113 | 112 | 112 | 111 | 108 | 100 | 88  | 69   | 56   |  |
| -            | GP2A-HT 3/9  | 2×3                     | 2×4   |     |       | 130 | 128 | 128 | 126 | 123 | 114 | 100 | 79   | 64   |  |
| -            | GP2A-HT 3/10 | 2×3                     | 2×4   |     |       | 146 | 144 | 144 | 142 | 138 | 129 | 113 | 89   | 72   |  |
| -            |              |                         |       |     |       | -   | 160 | 160 | 158 | 154 | 143 | 126 | 99   | 80   |  |

| TYPE         |             | POWER (P <sub>2</sub> ) |       | Q   |       |      |      |      |     |      |     |      |      |      |     |
|--------------|-------------|-------------------------|-------|-----|-------|------|------|------|-----|------|-----|------|------|------|-----|
| Single-phase | Three-phase | kW                      | HP    |     | m³/h  | 0    | 0.3  | 0.6  | 1.2 | 2.4  | 4.8 | 7.2  | 9.6  | 10.8 | 12  |
| GP2A-HTm 5/3 | GP2A-HT 5/3 | 2×1.1                   | 2×1.5 | H m | l/min | 0    | 5    | 10   | 20  | 40   | 80  | 120  | 160  | 180  | 200 |
| GP2A-HTm 5/4 | GP2A-HT 5/4 | 2×1.5                   | 2×2   |     |       | 51.5 | 51.5 | 51.5 | 51  | 50.5 | 49  | 46.5 | 43   | 41   | 39  |
| GP2A-HTm 5/5 | GP2A-HT 5/5 | 2×1.8                   | 2×2.5 |     |       | 68.5 | 68.5 | 68.5 | 68  | 67   | 65  | 62   | 57.5 | 55   | 52  |
| GP2A-HTm 5/6 | GP2A-HT 5/6 | 2×2.2                   | 2×3   |     |       | 86   | 85   | 85   | 85  | 84   | 81  | 77   | 72   | 68.5 | 65  |
| -            | GP2A-HT 5/7 | 2×3                     | 2×4   |     |       | 103  | 103  | 103  | 102 | 101  | 98  | 93   | 86   | 82   | 78  |
| -            | GP2A-HT 5/8 | 2×3                     | 2×4   |     |       | 120  | 120  | 120  | 119 | 118  | 114 | 108  | 101  | 96   | 91  |
| -            | GP2A-HT 5/9 | 2×4                     | 2×5.5 |     |       | 137  | 137  | 137  | 136 | 134  | 130 | 124  | 115  | 110  | 104 |
| -            |             |                         |       |     |       | 154  | 154  | 154  | 153 | 151  | 146 | 139  | 129  | 124  | 117 |

| TYPE         |              | POWER (P <sub>2</sub> ) |       | Q   |       |      |      |      |      |      |     |      |      |      |      |      |      |
|--------------|--------------|-------------------------|-------|-----|-------|------|------|------|------|------|-----|------|------|------|------|------|------|
| Single-phase | Three-phase  | kW                      | HP    |     | m³/h  | 0    | 1.2  | 2.4  | 4.8  | 7.2  | 9.6 | 12   | 14.4 | 16.8 | 19.2 | 21.6 | 24   |
| GP2A-HTm 8/3 | GP2A-HT 8/3  | 2×1.1                   | 2×1.5 | H m | l/min | 0    | 20   | 40   | 80   | 120  | 160 | 200  | 240  | 280  | 320  | 360  | 400  |
| GP2A-HTm 8/4 | GP2A-HT 8/4  | 2×1.5                   | 2×2   |     |       | 47   | 46.5 | 46.5 | 45.5 | 44   | 42  | 39.5 | 36.5 | 32.5 | 28   | 23.1 | 17   |
| GP2A-HTm 8/5 | GP2A-HT 8/5  | 2×1.8                   | 2×2.5 |     |       | 62.5 | 62   | 62   | 60.5 | 58.5 | 56  | 53   | 48.5 | 43.5 | 37.5 | 31   | 23   |
| GP2A-HTm 8/6 | GP2A-HT 8/6  | 2×2.2                   | 2×3   |     |       | 78   | 77.5 | 77.5 | 76   | 73   | 70  | 66   | 61   | 54.5 | 47   | 38.5 | 28.5 |
| -            | GP2A-HT 8/7  | 2×3                     | 2×4   |     |       | 94   | 93   | 93   | 91   | 88   | 84  | 79   | 73   | 65.5 | 56.5 | 46   | 34.5 |
| -            | GP2A-HT 8/8  | 2×4                     | 2×5.5 |     |       | 109  | 108  | 108  | 106  | 103  | 98  | 92   | 85   | 76   | 66   | 54   | 40   |
| -            | GP2A-HT 8/9  | 2×4                     | 2×5.5 |     |       | 125  | 124  | 124  | 121  | 117  | 112 | 106  | 97   | 87   | 75   | 61.5 | 45.5 |
| -            | GP2A-HT 8/10 | 2×5.5                   | 2×7.5 |     |       | 141  | 139  | 139  | 136  | 132  | 126 | 119  | 109  | 98   | 85   | 69   | 51.5 |
| -            |              |                         |       |     |       | 156  | 155  | 155  | 152  | 147  | 140 | 132  | 122  | 109  | 94   | 77   | 57   |

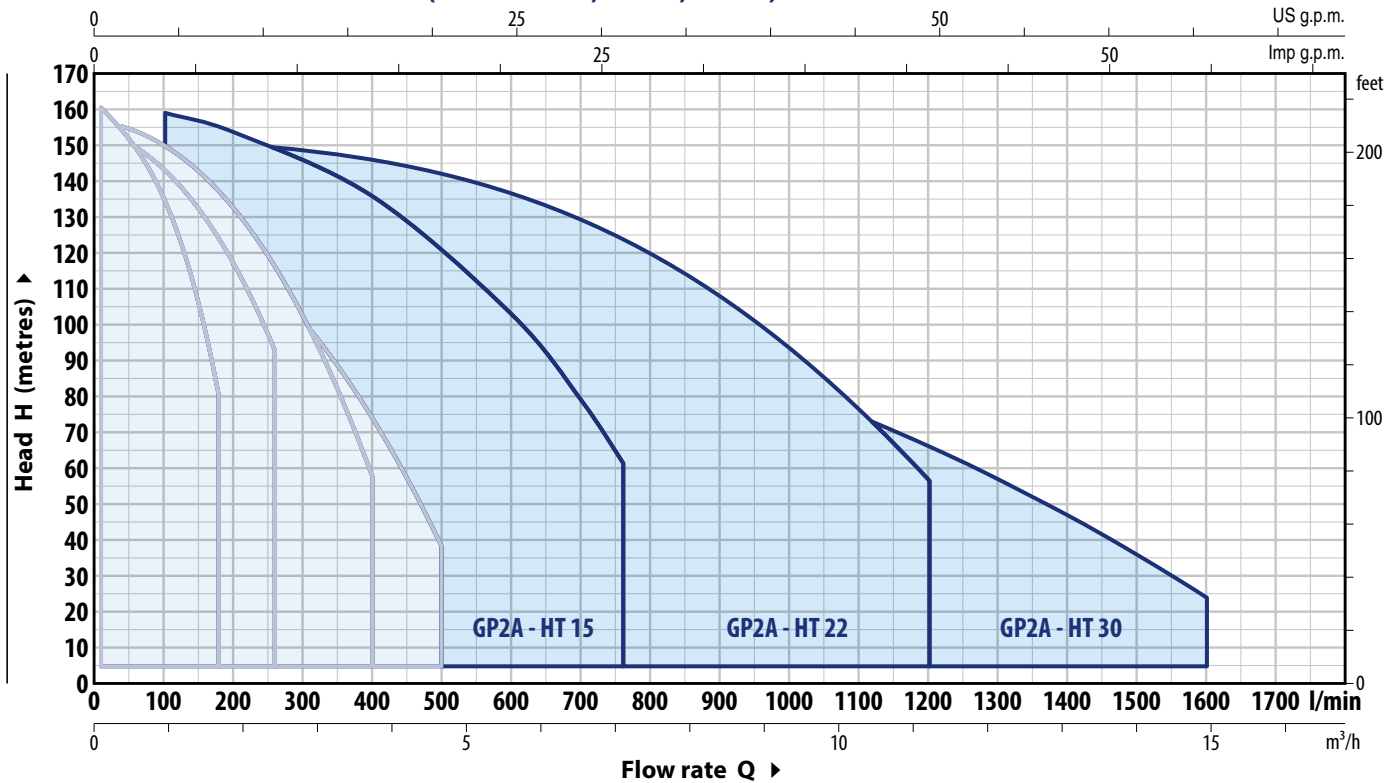
| TYPE          |              | POWER (P <sub>2</sub> ) |       | Q   |       |     |      |      |     |      |     |      |      |      |      |      |      |
|---------------|--------------|-------------------------|-------|-----|-------|-----|------|------|-----|------|-----|------|------|------|------|------|------|
| Single-phase  | Three-phase  | kW                      | HP    |     | m³/h  | 0   | 1.8  | 3.6  | 6   | 7.2  | 9.6 | 14.4 | 18   | 20.4 | 24   | 26.4 | 30   |
| GP2A-HTm 10/3 | GP2A-HT 10/3 | 2×1.5                   | 2×2   | H m | l/min | 0   | 30   | 60   | 100 | 120  | 160 | 240  | 300  | 340  | 400  | 440  | 500  |
| GP2A-HTm 10/4 | GP2A-HT 10/4 | 2×1.8                   | 2×2.5 |     |       | 47  | 45.5 | 45.5 | 44  | 43.5 | 42  | 38   | 33.5 | 30.5 | 24.7 | 20.3 | 13   |
| GP2A-HTm 10/5 | GP2A-HT 10/5 | 2×2.2                   | 2×3   |     |       | 62  | 61   | 61   | 59  | 58   | 56  | 50.5 | 45   | 40.5 | 33   | 27   | 18   |
| -             | GP2A-HT 10/6 | 2×3                     | 2×4   |     |       | 77  | 75.5 | 75.5 | 74  | 73   | 70  | 63   | 56   | 50.5 | 41   | 34   | 21.5 |
| -             | GP2A-HT 10/7 | 2×3                     | 2×4   |     |       | 93  | 91   | 91   | 88  | 87   | 84  | 76   | 67.5 | 61   | 49.5 | 40.5 | 26   |
| -             | GP2A-HT 10/8 | 2×4                     | 2×5.5 |     |       | 108 | 106  | 106  | 103 | 102  | 98  | 88   | 79   | 71   | 57.5 | 47.5 | 30   |
| -             | GP2A-HT 10/9 | 2×4                     | 2×5.5 |     |       | 124 | 121  | 121  | 118 | 116  | 112 | 101  | 90   | 81   | 66   | 54.5 | 34.5 |
| -             |              |                         |       |     |       | 139 | 136  | 136  | 133 | 131  | 126 | 113  | 101  | 91   | 74   | 61   | 38.5 |

Q = Flow rate H = Total manometric head

✳ The data shown in the diagram and tables indicate performance with 2 pumps in operation

# GP2A - HT

## FIELD AND PERFORMANCE DATA (GP2A-HT 15, HT 22, HT 30)



| TYPE          | POWER (P <sub>2</sub> ) |        | Q   |      |      |      |       |      |       |       |      |      |      |
|---------------|-------------------------|--------|-----|------|------|------|-------|------|-------|-------|------|------|------|
| Three-phase   | kW                      | HP     |     | 0    | 3    | 6    | 9     | 12   | 18    | 24    | 36   | 42   | 45.6 |
| GP2A-HT 15/2R | 2×2.2                   | 2×3    | H m | 0    | 50   | 100  | 150   | 200  | 300   | 400   | 600  | 700  | 760  |
| GP2A-HT 15/3R | 2×3                     | 2×4    |     | 44   | 43   | 43   | 42.5  | 41.5 | 39.5  | 36.5  | 27.5 | 20.5 |      |
| GP2A-HT 15/3  | 2×4                     | 2×5.5  |     | 64.5 | 62.5 | 62.5 | 61.5  | 60.5 | 57    | 52    | 37.5 | 27   |      |
| GP2A-HT 15/4  | 2×5.5                   | 2×7.5  |     | 72   | 70   | 70   | 69    | 67.5 | 64.5  | 59.5  | 45   | 34.5 | 27   |
| GP2A-HT 15/5  | 2×7.5                   | 2×10   |     | 96   | 93   | 93   | 92    | 90.5 | 86    | 79.5  | 60.5 | 46   | 36   |
| GP2A-HT 15/6  | 2×9.2                   | 2×12.5 |     | 120  | 117  | 117  | 115   | 113  | 107.5 | 99.5  | 75.5 | 58   | 45   |
| GP2A-HT 15/7  | 2×9.2                   | 2×12.5 |     | 140  | 137  | 137  | 134.5 | 132  | 125.5 | 116.5 | 88   | 67.5 | 53   |
|               |                         |        |     | –    | 160  | 160  | 157   | 154  | 146.5 | 136   | 103  | 79   | 61.5 |

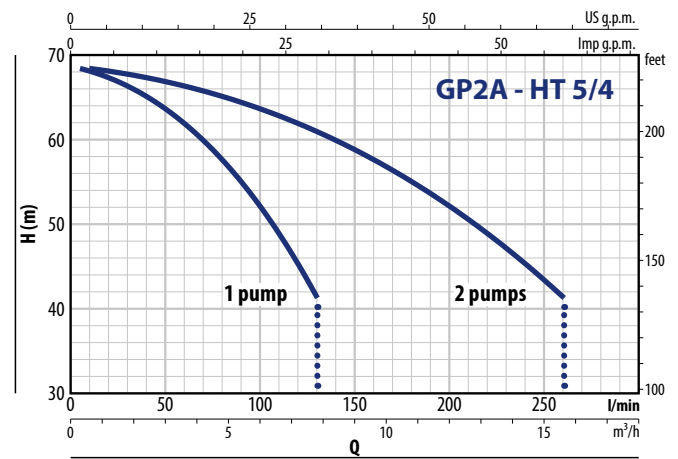
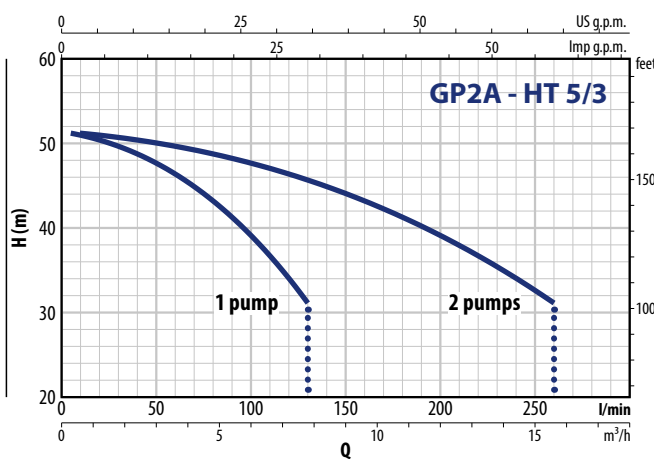
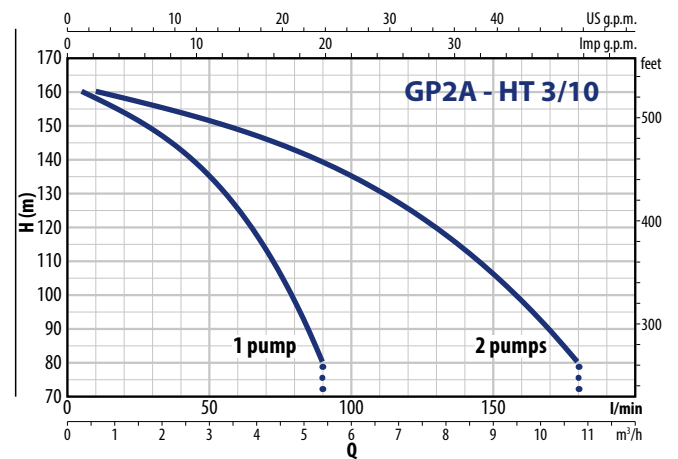
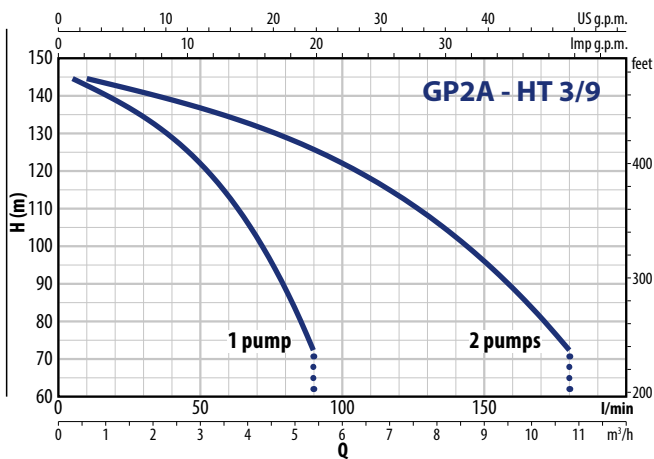
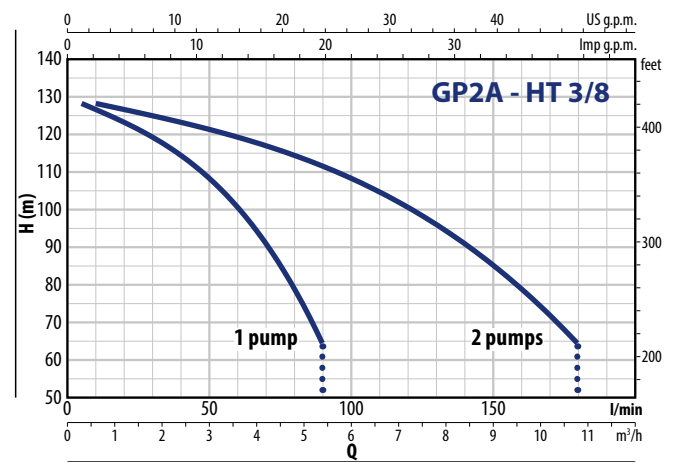
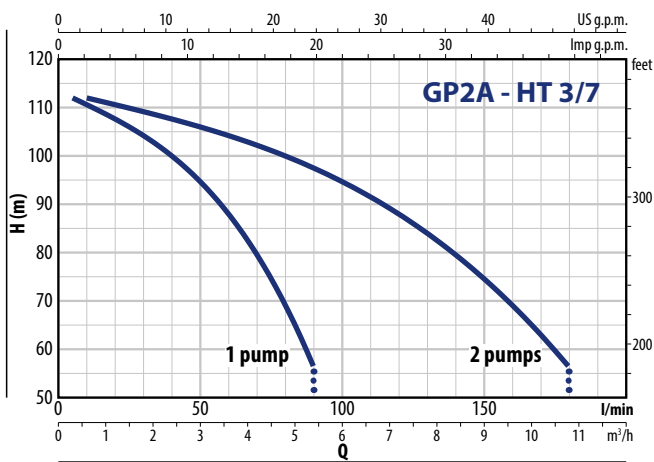
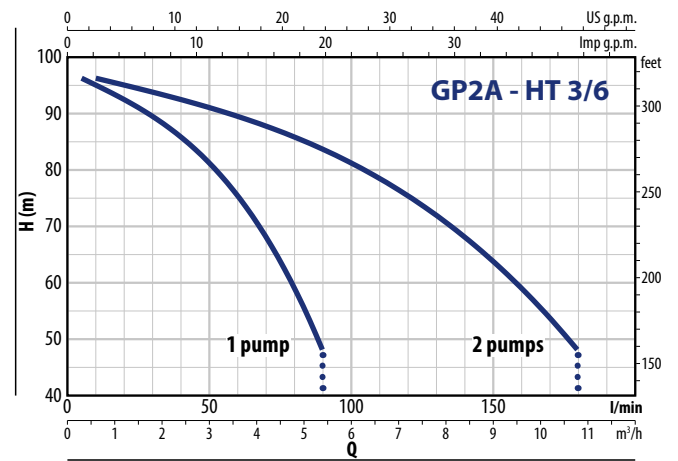
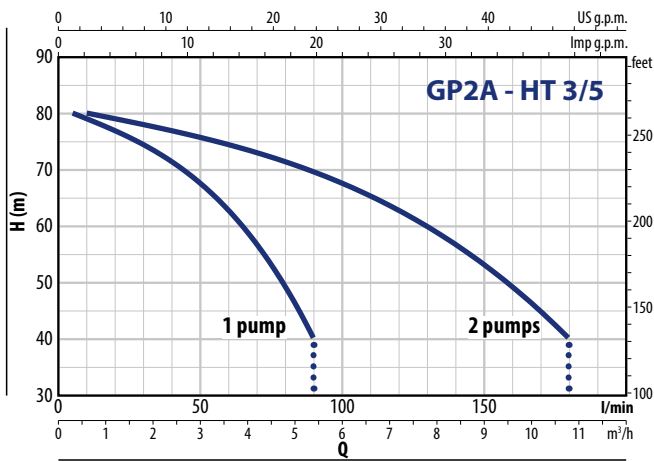
| TYPE         | POWER (P <sub>2</sub> ) |        | Q   |     |      |      |      |      |      |      |      |      |
|--------------|-------------------------|--------|-----|-----|------|------|------|------|------|------|------|------|
| Three-phase  | kW                      | HP     |     | 0   | 6    | 12   | 24   | 36   | 42   | 48   | 60   | 72   |
| GP2A-HT 22/2 | 2×3                     | 2×4    | H m | 0   | 100  | 200  | 400  | 600  | 700  | 800  | 1000 | 1200 |
| GP2A-HT 22/3 | 2×4                     | 2×5.5  |     | 39  | 39   | 39   | 38   | 35.5 | 33.5 | 31.5 | 25.4 | 17.5 |
| GP2A-HT 22/4 | 2×5.5                   | 2×7.5  |     | 59  | 58.5 | 58.5 | 56.5 | 53   | 50.5 | 47   | 38   | 26   |
| GP2A-HT 22/5 | 2×7.5                   | 2×10   |     | 78  | 78   | 78   | 76   | 71   | 67   | 62.5 | 51   | 34.5 |
| GP2A-HT 22/6 | 2×9.2                   | 2×12.5 |     | 98  | 97   | 97   | 95   | 88   | 84   | 78   | 63.5 | 43   |
| GP2A-HT 22/7 | 2×11                    | 2×15   |     | 118 | 117  | 117  | 113  | 106  | 101  | 94   | 76   | 52   |
| GP2A-HT 22/8 | 2×15                    | 2×20   |     | 137 | 136  | 136  | 132  | 124  | 118  | 110  | 89   | 60.5 |
|              |                         |        |     | 157 | 156  | 156  | 151  | 142  | 134  | 125  | 102  | 69   |

| TYPE          | POWER (P <sub>2</sub> ) |        | Q <sup>m³/h</sup><br>l/min | 0   | 6    | 12   | 24    | 36   | 48   | 60   | 72   | 84   | 90   |
|---------------|-------------------------|--------|----------------------------|-----|------|------|-------|------|------|------|------|------|------|
| Three-phase   | kW                      | HP     |                            | 0   | 100  | 200  | 400   | 600  | 800  | 1000 | 1200 | 1400 | 1500 |
| GP2A-HT 30/2R | 2×3                     | 2×4    | H m                        | 35  | 34   | 34   | 33    | 31   | 28   | 23.5 | 17.5 | 10   |      |
| GP2A-HT 30/2  | 2×4                     | 2×5.5  |                            | 40  | 38.5 | 38.5 | 37    | 35.5 | 32.5 | 28   | 22   | 13.5 | 8    |
| GP2A-HT 30/3  | 2×5.5                   | 2×7.5  |                            | 60  | 58   | 58   | 56    | 53   | 48.5 | 42   | 33   | 20   | 12   |
| GP2A-HT 30/4  | 2×7.5                   | 2×10   |                            | 80  | 77   | 77   | 74.5  | 70.5 | 64.5 | 56   | 44   | 26.5 | 16   |
| GP2A-HT 30/5  | 2×9.2                   | 2×12.5 |                            | 100 | 96.5 | 96.5 | 93    | 88   | 81   | 70   | 54.5 | 33.5 | 20   |
| GP2A-HT 30/6  | 2×11                    | 2×15   |                            | 120 | 116  | 116  | 111.5 | 106  | 97   | 84   | 65.5 | 40   | 24.5 |

Q = Flow rate H = Total manometric head

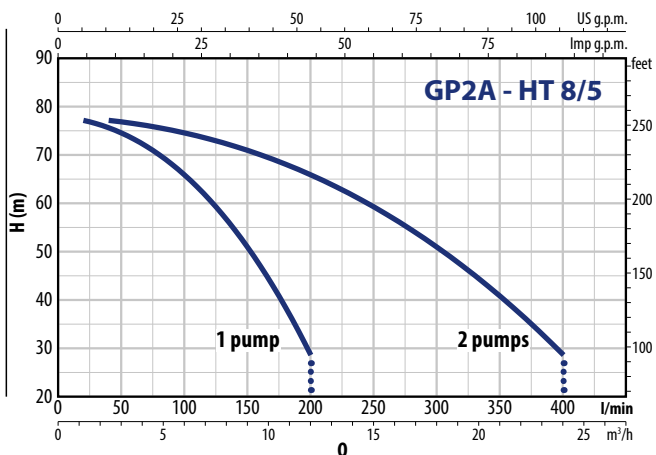
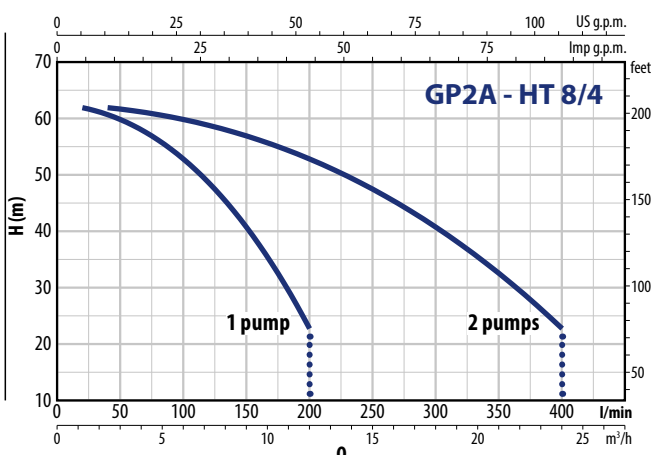
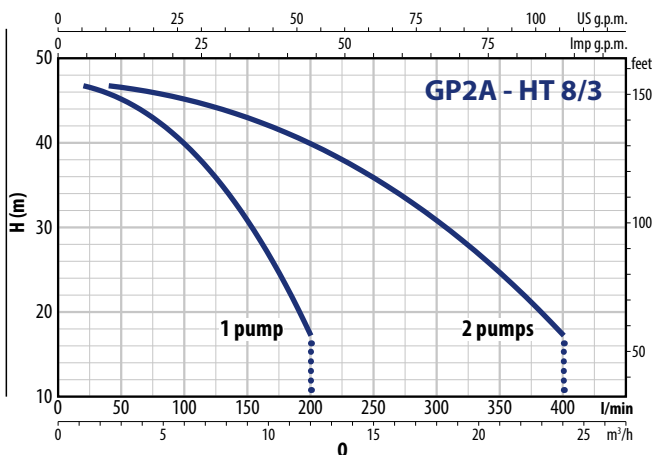
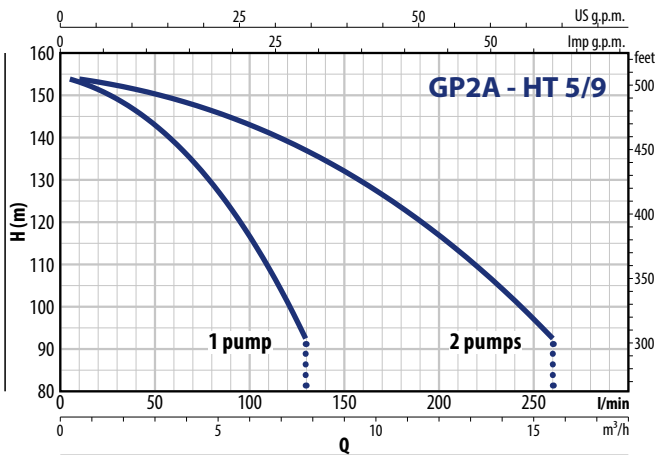
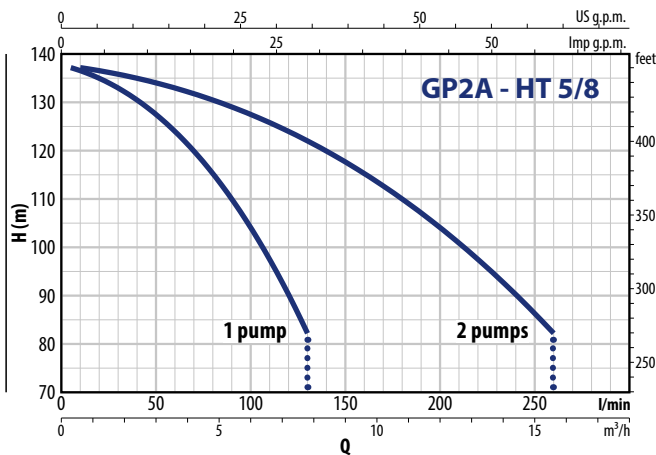
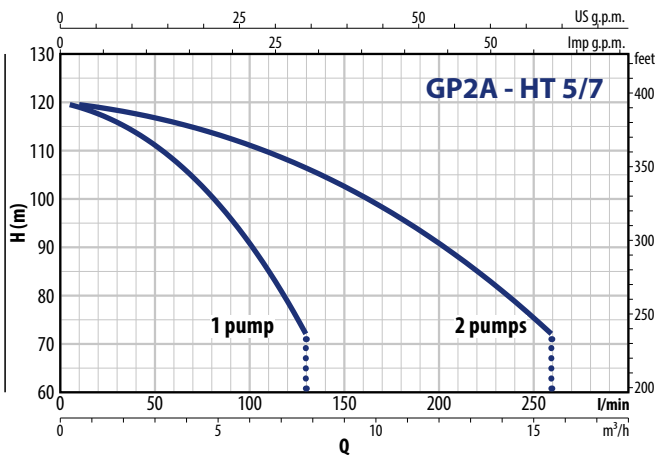
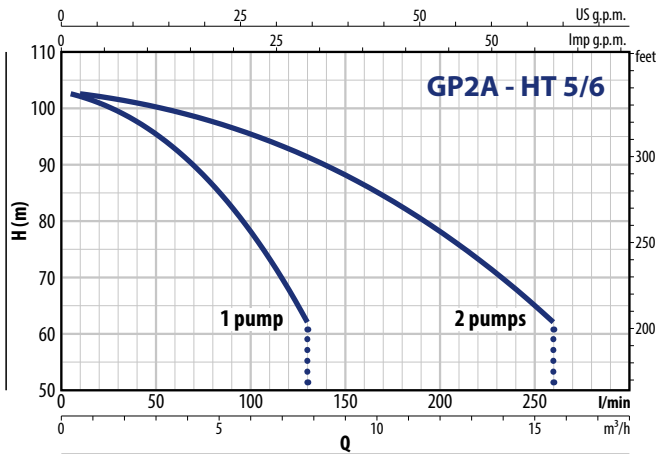
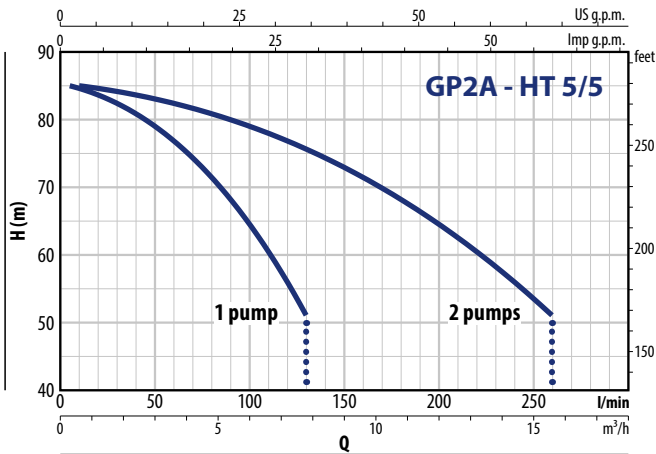
✖ The data shown in the diagram and tables indicate performance with 2 pumps in operation

## PERFORMANCE CURVES

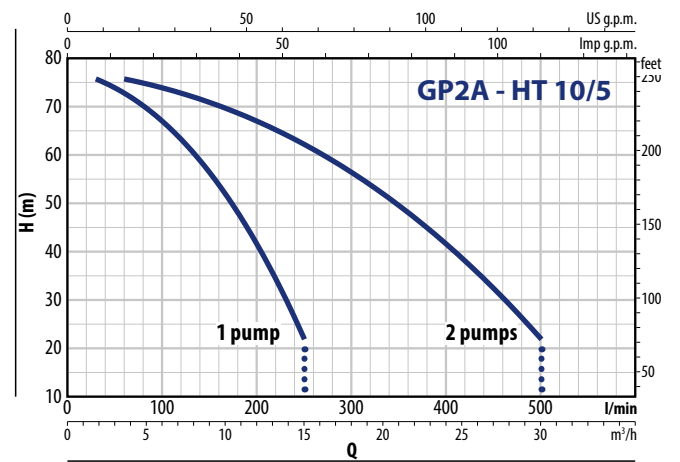
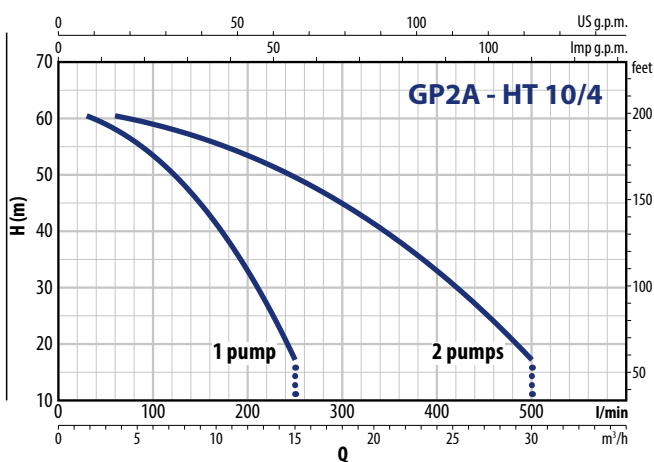
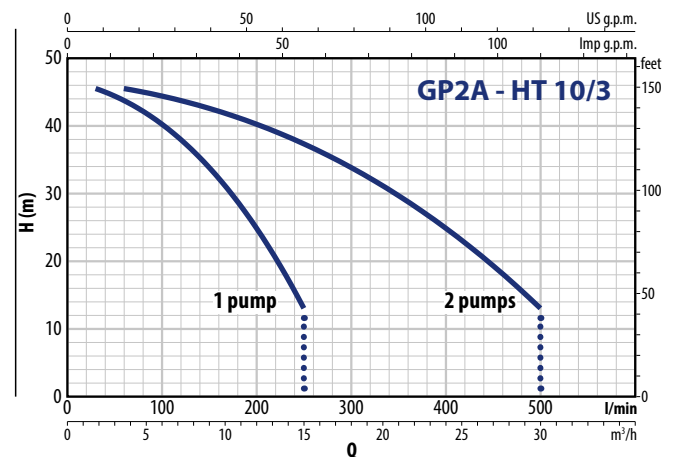
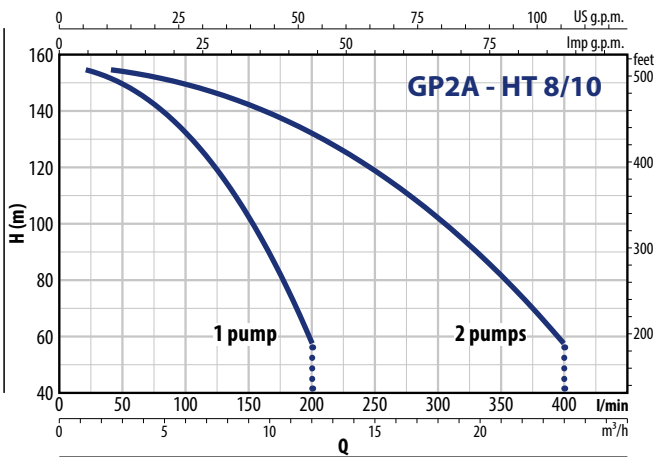
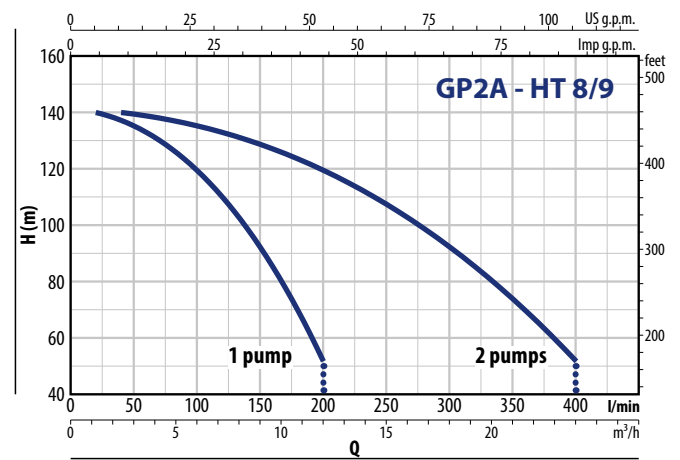
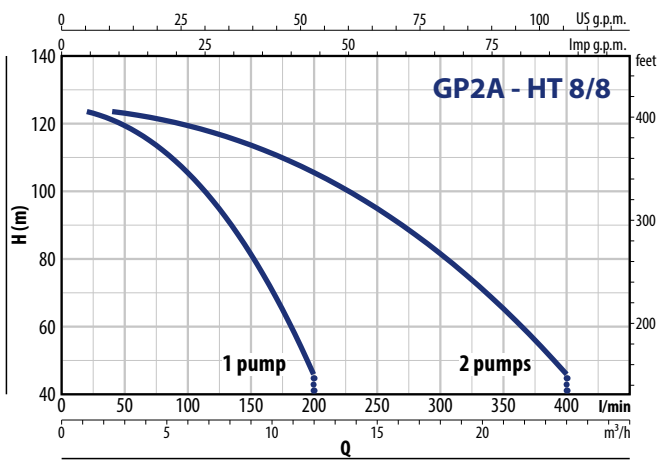
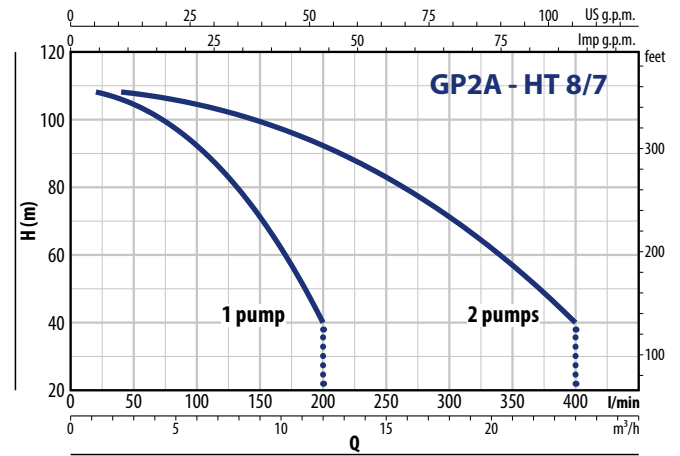
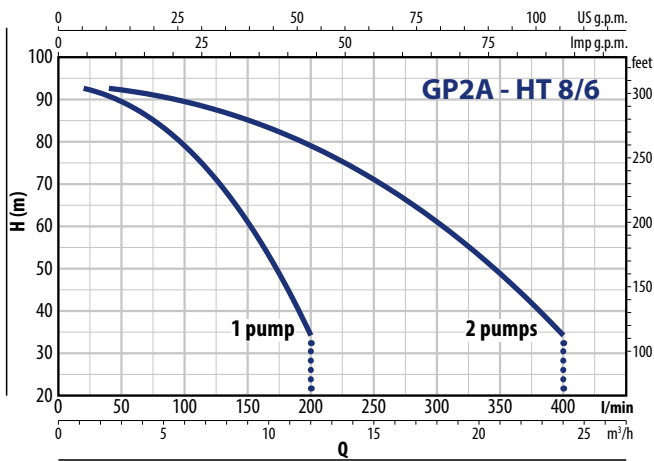


# GP2A - HT

## PERFORMANCE CURVES

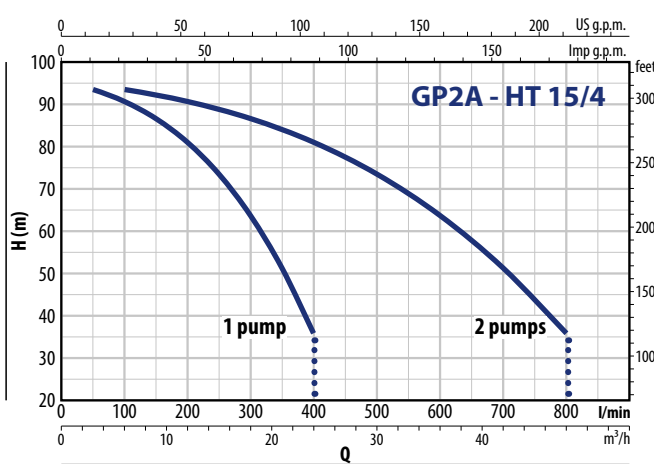
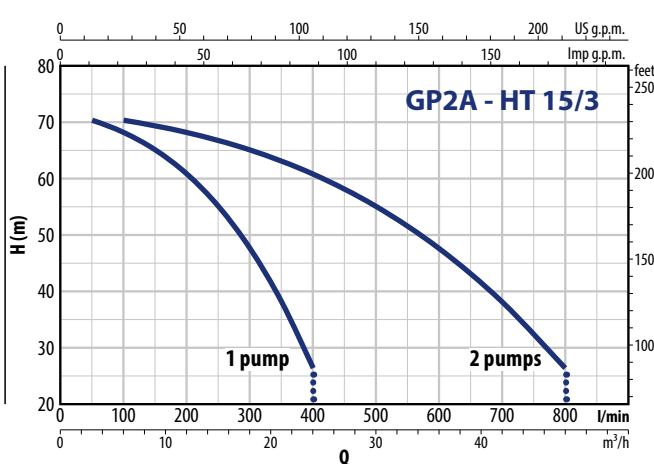
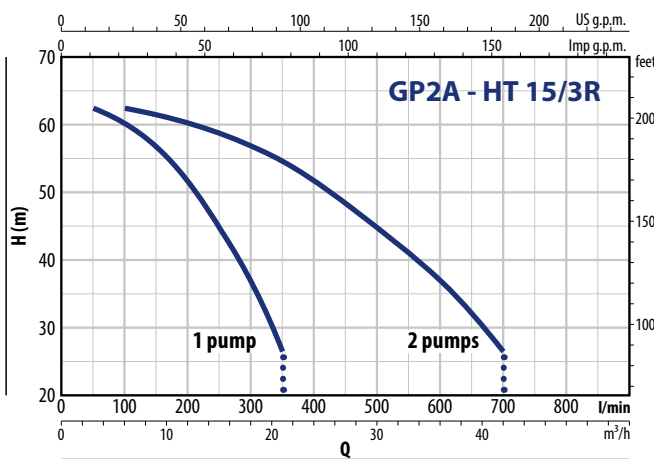
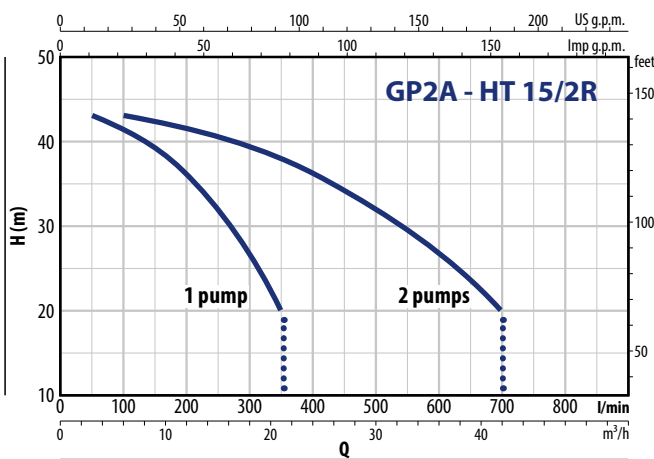
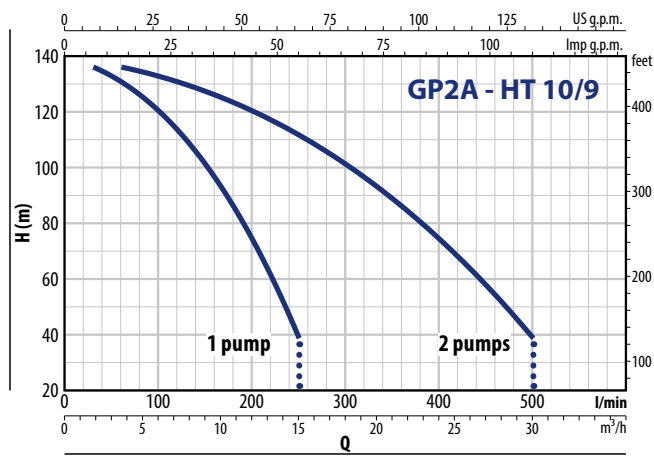
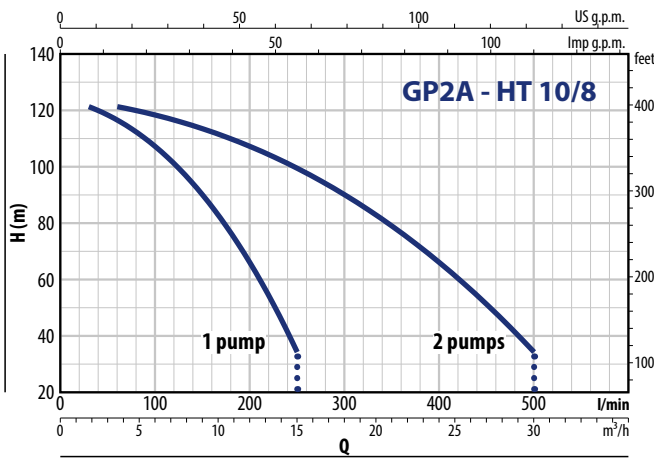
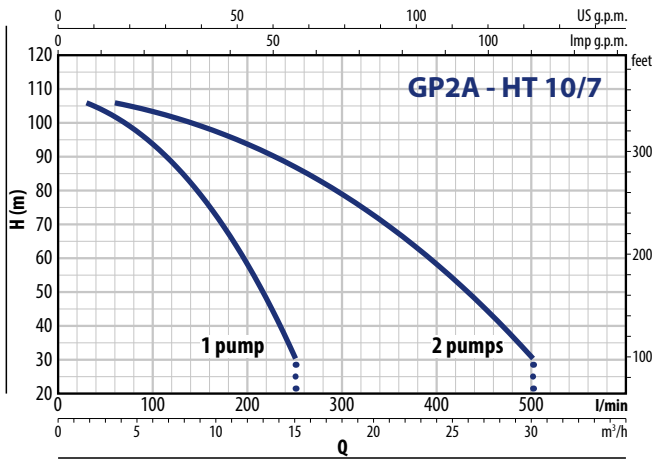
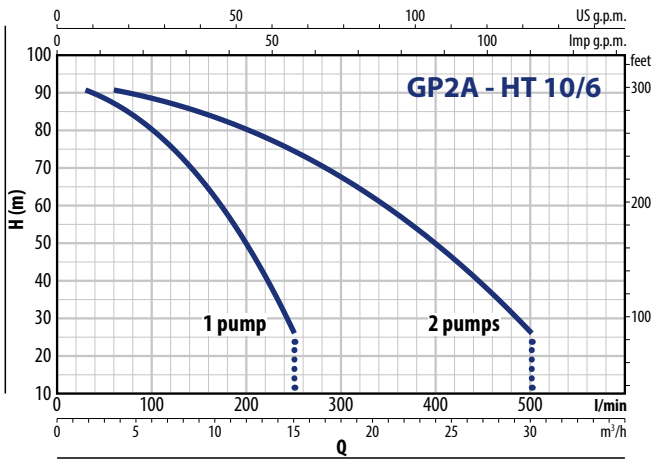


## PERFORMANCE CURVES

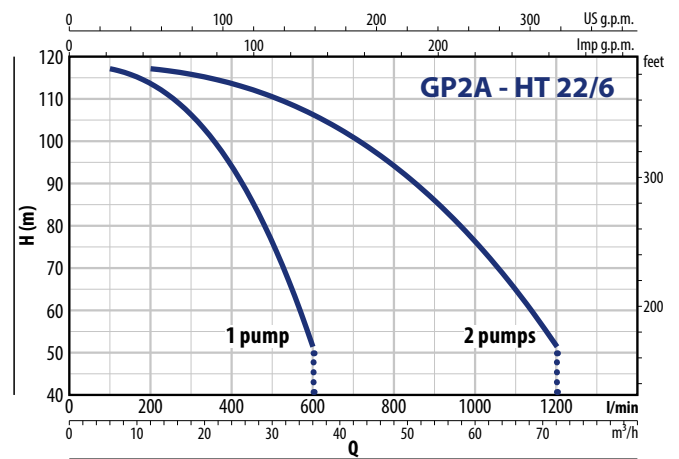
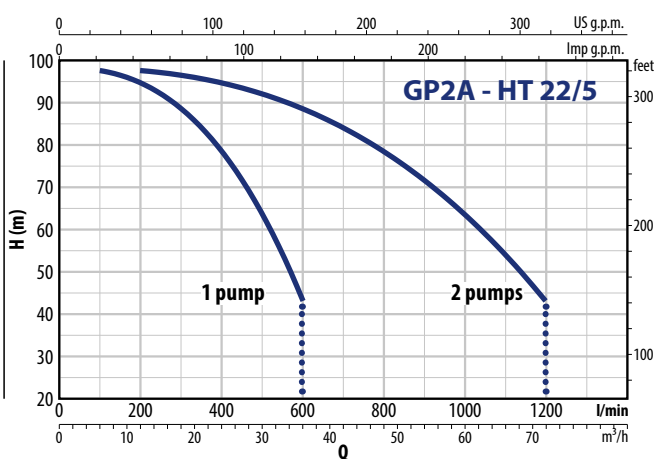
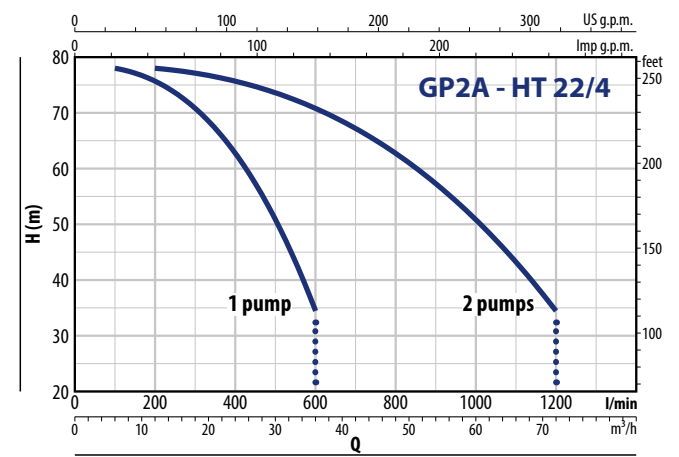
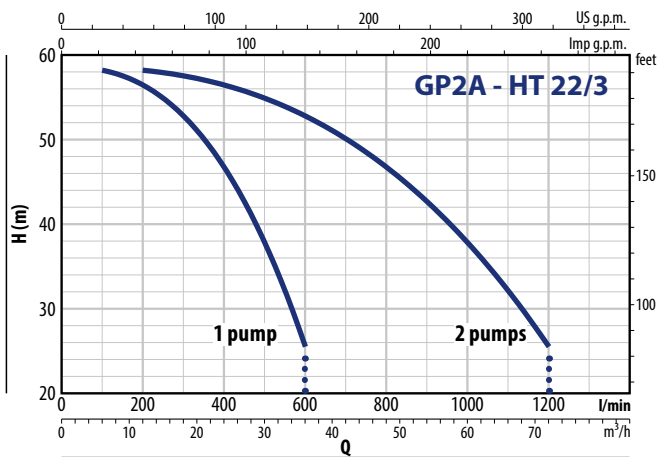
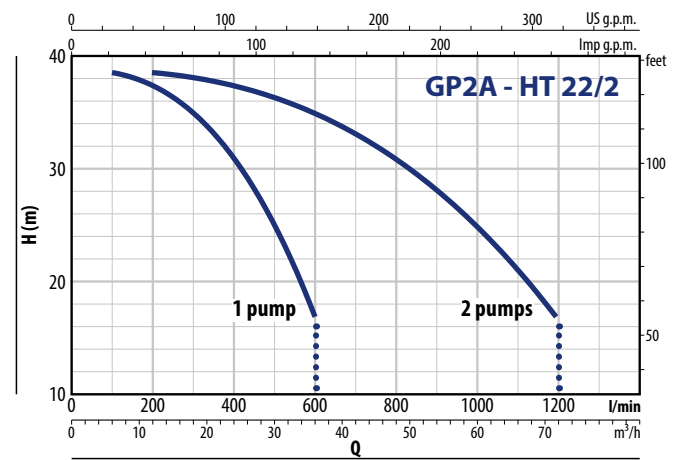
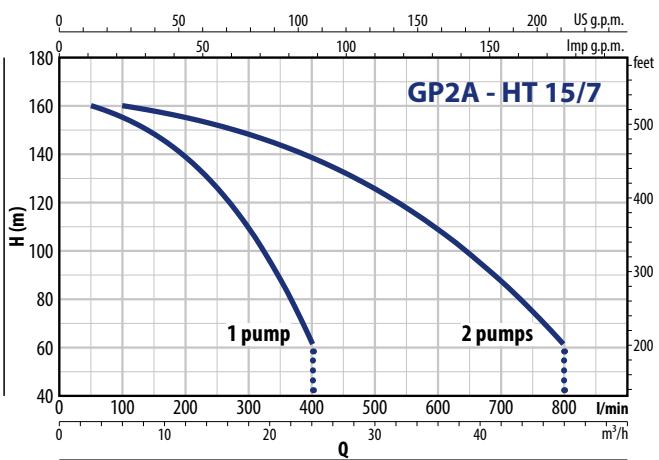
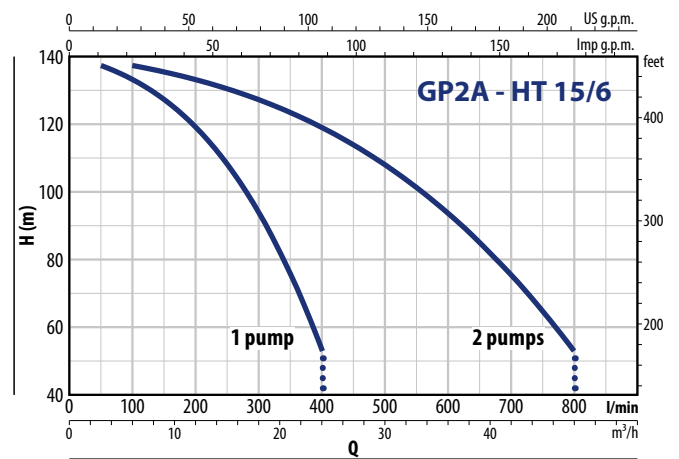
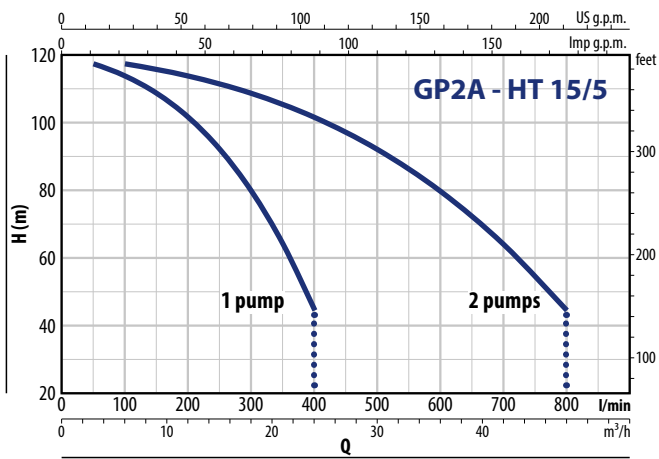


# GP2A - HT

## PERFORMANCE CURVES

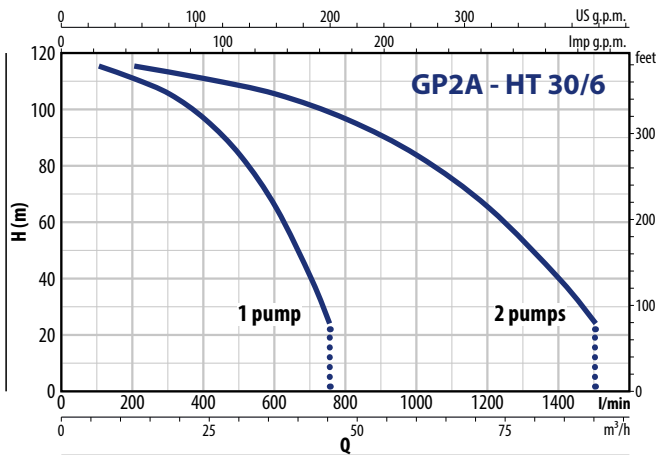
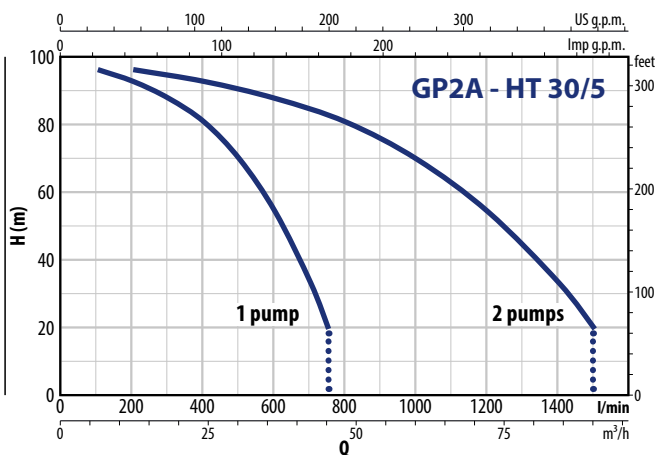
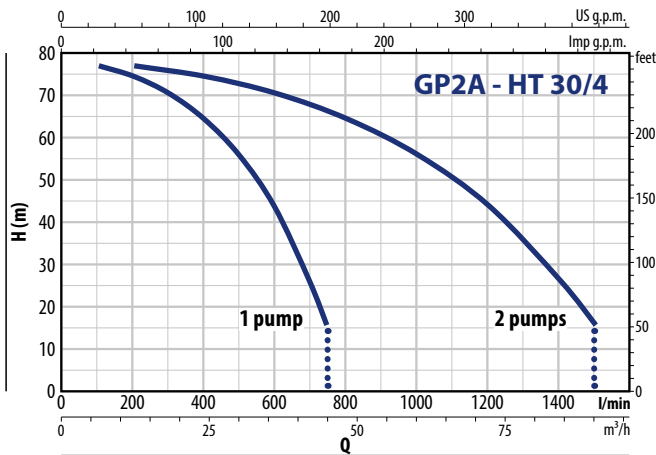
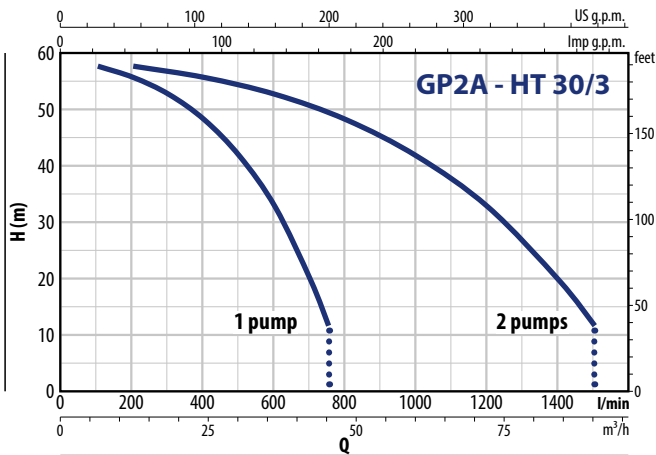
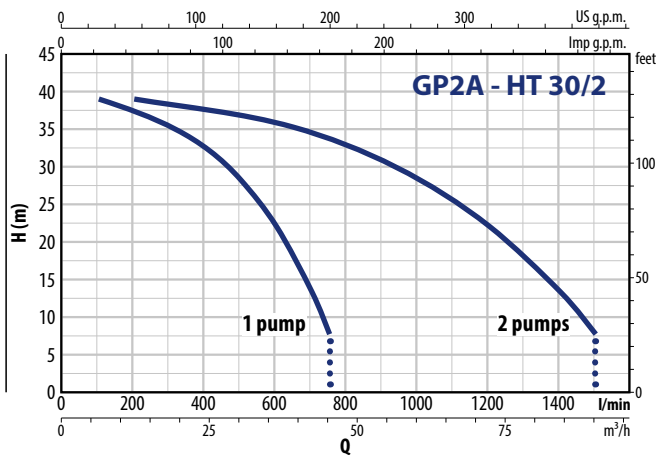
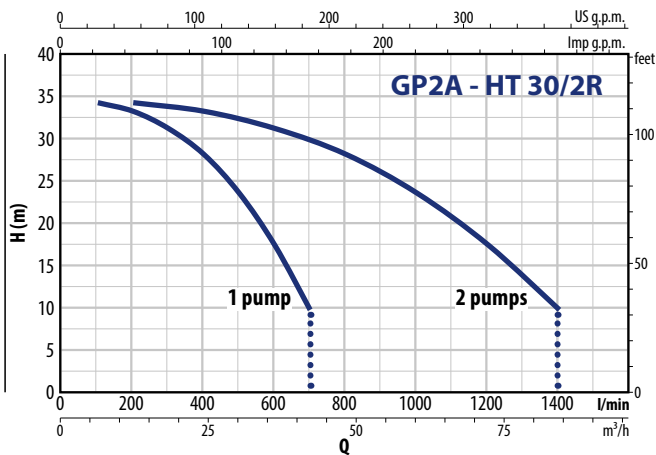
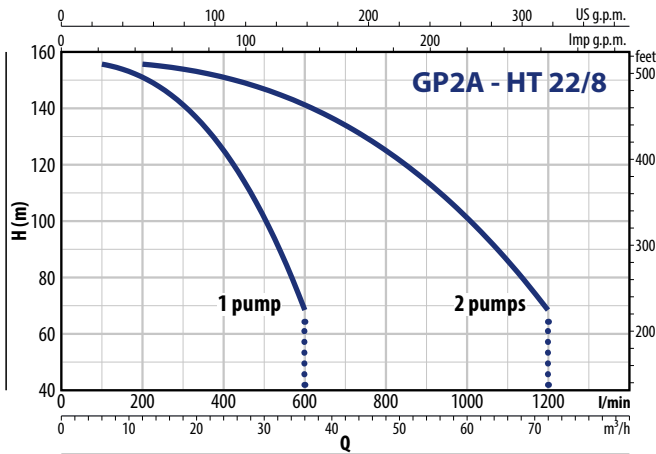
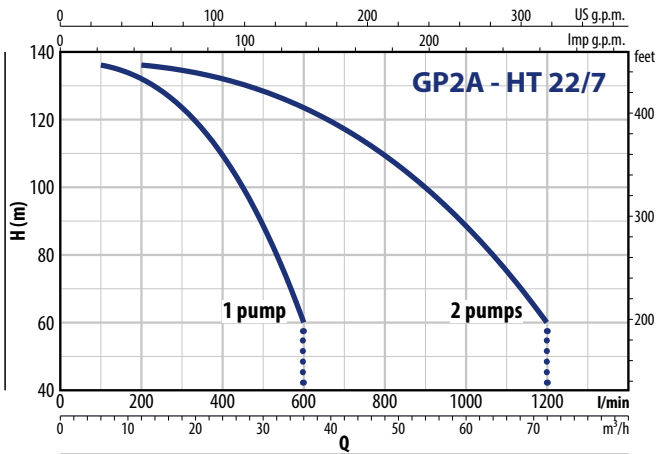


## PERFORMANCE CURVES



# GP2A - HT

## PERFORMANCE CURVES



## ABSORPTION

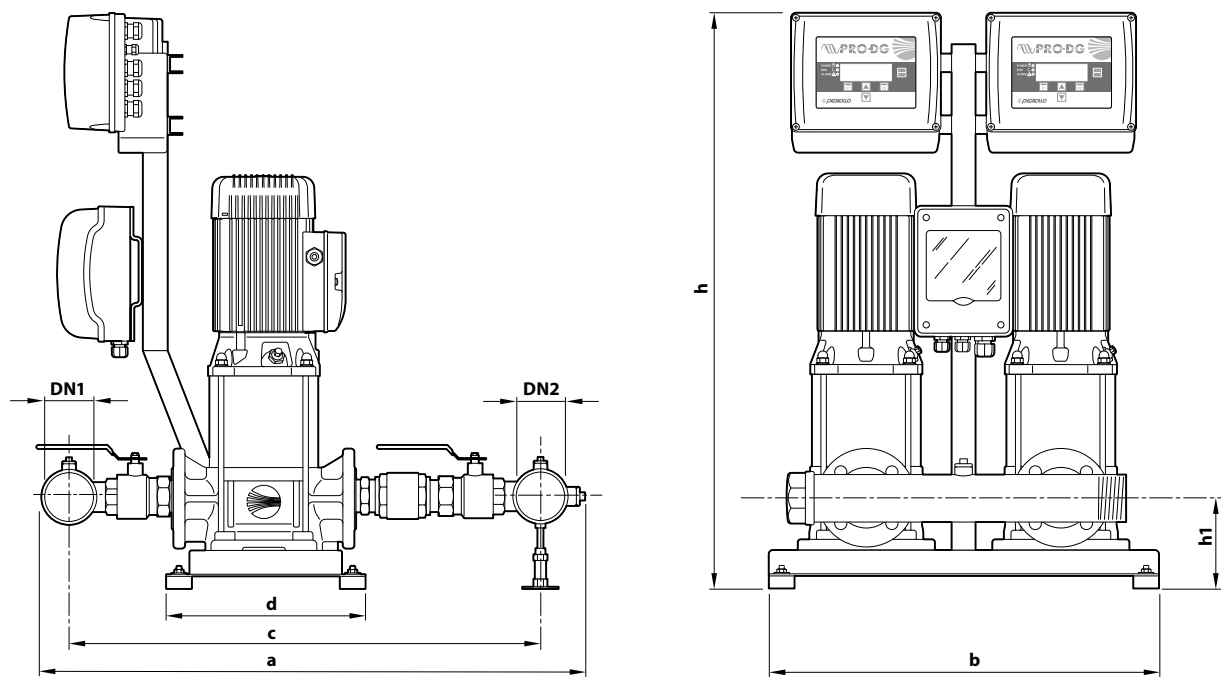
| TYPE            | VOLTAGE  |
|-----------------|----------|
| Single-phase    | 230 V    |
| GP2Am - HT 3/5  | –        |
| GP2Am - HT 3/6  | –        |
| GP2Am - HT 3/7  | –        |
| GP2Am - HT 5/3  | –        |
| GP2Am - HT 5/4  | –        |
| GP2Am - HT 5/5  | –        |
| GP2Am - HT 5/6  | –        |
| GP2Am - HT 8/3  | –        |
| GP2Am - HT 8/4  | –        |
| GP2Am - HT 8/5  | –        |
| GP2Am - HT 8/6  | 2×19.5 A |
| GP2Am - HT 10/3 | 2×12.2 A |
| GP2Am - HT 10/4 | –        |
| GP2Am - HT 10/5 | 2×18.0 A |

| TYPE            | VOLTAGE   |
|-----------------|-----------|
| Three-phase     | 400 V - Δ |
| GP2A - HT 3/5   | –         |
| GP2A - HT 3/6   | –         |
| GP2A - HT 3/7   | –         |
| GP2A - HT 3/8   | –         |
| GP2A - HT 3/9   | –         |
| GP2A - HT 3/10  | –         |
| GP2A - HT 5/3   | –         |
| GP2A - HT 5/4   | –         |
| GP2A - HT 5/5   | –         |
| GP2A - HT 5/6   | –         |
| GP2A - HT 5/7   | –         |
| GP2A - HT 5/8   | –         |
| GP2A - HT 5/9   | –         |
| GP2A - HT 8/3   | –         |
| GP2A - HT 8/4   | –         |
| GP2A - HT 8/5   | 2×6.8 A   |
| GP2A - HT 8/6   | –         |
| GP2A - HT 8/7   | –         |
| GP2A - HT 8/8   | 2×10.5 A  |
| GP2A - HT 8/9   | –         |
| GP2A - HT 8/10  | –         |
| GP2A - HT 10/3  | 2×4.5 A   |
| GP2A - HT 10/4  | –         |
| GP2A - HT 10/5  | 2×6.5 A   |
| GP2A - HT 10/6  | –         |
| GP2A - HT 10/7  | 2×9.5 A   |
| GP2A - HT 10/8  | –         |
| GP2A - HT 10/9  | 2×10.5 A  |
| GP2A - HT 15/2R | –         |
| GP2A - HT 15/3R | 2×8.8 A   |
| GP2A - HT 15/3  | 2×10.0 A  |
| GP2A - HT 15/4  | 2×12.3 A  |
| GP2A - HT 15/5  | –         |
| GP2A - HT 15/6  | –         |
| GP2A - HT 15/7  | –         |
| GP2A - HT 22/2  | –         |
| GP2A - HT 22/3  | –         |
| GP2A - HT 22/4  | –         |
| GP2A - HT 22/5  | –         |
| GP2A - HT 22/6  | –         |
| GP2A - HT 22/7  | 2×26.0 A  |
| GP2A - HT 22/8  | –         |
| GP2A - HT 30/2R | –         |
| GP2A - HT 30/2  | 2×10.5 A  |
| GP2A - HT 30/3  | –         |
| GP2A - HT 30/4  | 2×15.5 A  |
| GP2A - HT 30/5  | 2×22.0 A  |
| GP2A - HT 30/6  | 2×25.0 A  |

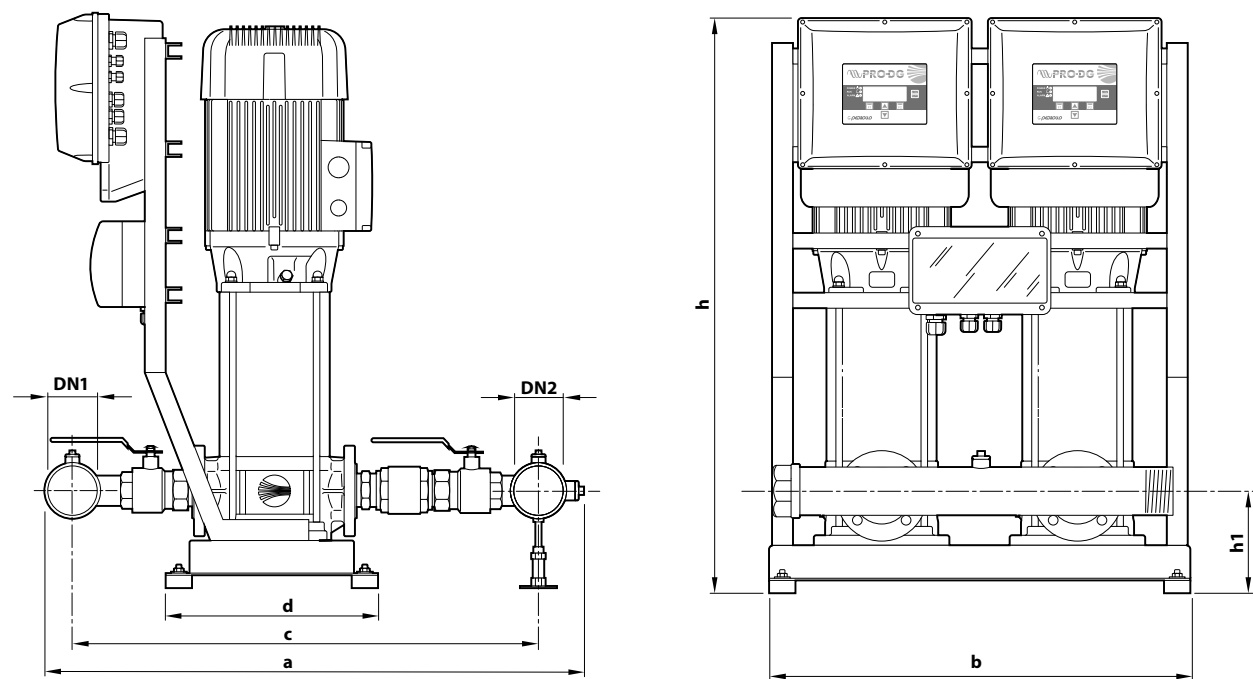
# GP2A - HT

## DIMENSIONS AND WEIGHT

### Type A



### Type B



## DIMENSIONS AND WEIGHT

| TYPE            |                 | TYPE | PORTS |       | DIMENSIONS mm |     |      |     |      |     | kg    |       |       |
|-----------------|-----------------|------|-------|-------|---------------|-----|------|-----|------|-----|-------|-------|-------|
| Single-phase    | Three-phase     |      | DN1   | DN2   | a             | b   | c    | d   | h    | h1  | 1~    | 3~    |       |
| GP2Am - HT 3/5  | GP2A - HT 3/5   | A    | 2"    | 2"    | 732           | 600 | 614  | 310 | 882  | 138 | 111.0 | 111.0 |       |
| GP2Am - HT 3/6  | GP2A - HT 3/6   | A    |       |       |               |     |      |     |      |     | 113.6 | 113.6 |       |
| GP2Am - HT 3/7  | GP2A - HT 3/7   | A    |       |       |               |     |      |     |      |     | 123.4 | 123.4 |       |
| —               | GP2A - HT 3/8   | A    |       |       |               |     |      |     |      |     | —     | 138.0 |       |
| —               | GP2A - HT 3/9   | A    |       |       |               |     |      |     |      |     | —     | 140.0 |       |
| —               | GP2A - HT 3/10  | A    |       |       |               |     |      |     |      |     | —     | 141.8 |       |
| GP2Am - HT 5/3  | GP2A - HT 5/3   | A    | 2"    | 2"    | 777           | 600 | 659  | 310 | 882  | 138 | 112.0 | 112.0 |       |
| GP2Am - HT 5/4  | GP2A - HT 5/4   | A    |       |       |               |     |      |     |      |     | 116.0 | 116.0 |       |
| GP2Am - HT 5/5  | GP2A - HT 5/5   | A    |       |       |               |     |      |     |      |     | 120.6 | 120.6 |       |
| GP2Am - HT 5/6  | GP2A - HT 5/6   | A    |       |       |               |     |      |     |      |     | 122.6 | 122.6 |       |
| —               | GP2A - HT 5/7   | A    |       |       |               |     |      |     |      |     | —     | 140.2 |       |
| —               | GP2A - HT 5/8   | A    |       |       |               |     |      |     |      |     | —     | 142.2 |       |
| —               | GP2A - HT 5/9   | A    |       |       |               |     |      |     |      |     | —     | 150.6 |       |
| GP2Am - HT 8/3  | GP2A - HT 8/3   | A    | 2½"   | 2½"   | 873           | 600 | 739  | 310 | 882  | 143 | 119.0 | 119.0 |       |
| GP2Am - HT 8/4  | GP2A - HT 8/4   | A    |       |       |               |     |      |     |      |     | 123.0 | 123.0 |       |
| GP2Am - HT 8/5  | GP2A - HT 8/5   | A    |       |       |               |     |      |     |      |     | 130.0 | 130.0 |       |
| GP2Am - HT 8/6  | GP2A - HT 8/6   | A    |       |       |               |     |      |     |      |     | 131.6 | 131.6 |       |
| —               | GP2A - HT 8/7   | A    |       |       |               |     |      |     |      |     | —     | 147.0 |       |
| —               | GP2A - HT 8/8   | A    |       |       |               |     |      |     |      |     | —     | 155.2 |       |
| —               | GP2A - HT 8/9   | A    |       |       |               |     |      |     |      |     | —     | 157.2 |       |
| —               | GP2A - HT 8/10  | A    | —     | 167.2 |               |     |      |     |      |     |       |       |       |
| GP2Am - HT 10/3 | GP2A - HT 10/3  | A    | 2½"   | 2½"   | 873           | 600 | 739  | 310 | 882  | 143 | 120.0 | 120.0 |       |
| GP2Am - HT 10/4 | GP2A - HT 10/4  | A    |       |       |               |     |      |     |      |     | 124.0 | 124.0 |       |
| GP2Am - HT 10/5 | GP2A - HT 10/5  | A    |       |       |               |     |      |     |      |     | 131.0 | 131.0 |       |
| —               | GP2A - HT 10/6  | A    |       |       |               |     |      |     |      |     | —     | 147.6 |       |
| —               | GP2A - HT 10/7  | A    |       |       |               |     |      |     |      |     | —     | 148.0 |       |
| —               | GP2A - HT 10/8  | A    |       |       |               |     |      |     |      |     | —     | 156.2 |       |
| —               | GP2A - HT 10/9  | A    |       |       |               |     |      |     |      |     | —     | 158.2 |       |
| —               | GP2A - HT 15/2R | A    | 3"    | 3"    | 995           | 770 | 847  | 388 | 912  | 183 | —     | 173.0 |       |
| —               | GP2A - HT 15/3R | A    |       |       |               |     |      |     |      |     | —     | 174.0 |       |
| —               | GP2A - HT 15/3  | A    |       |       |               |     |      |     | 1044 |     | —     | 183.0 |       |
| —               | GP2A - HT 15/4  | B    |       |       |               |     |      |     |      |     | —     | 213.0 |       |
| —               | GP2A - HT 15/5  | B    |       |       |               |     |      |     |      |     | —     | 229.0 |       |
| —               | GP2A - HT 15/6  | B    |       |       |               |     |      |     |      |     | —     | 318.0 |       |
| —               | GP2A - HT 15/7  | B    |       |       |               |     |      |     |      |     | —     | 319.0 |       |
| —               | GP2A - HT 22/2  | A    | DN100 | DN100 | 1292          | 770 | 1068 | 388 | 912  | 183 | —     | 233.0 |       |
| —               | GP2A - HT 22/3  | A    |       |       |               |     |      |     |      |     | —     | 242.0 |       |
| —               | GP2A - HT 22/4  | B    |       |       |               |     |      |     | 1044 |     | —     | 267.0 |       |
| —               | GP2A - HT 22/5  | B    |       |       |               |     |      |     |      |     | —     | 283.0 |       |
| —               | GP2A - HT 22/6  | B    |       |       |               |     |      |     |      |     | —     | 372.0 |       |
| —               | GP2A - HT 22/7  | B    |       |       |               |     |      |     |      |     | —     | 389.0 |       |
| —               | GP2A - HT 22/8  | B    |       |       |               |     |      |     |      |     | 1083  | —     | 414.0 |
| —               | GP2A - HT 30/2R | A    | DN100 | DN100 | 1243          | 770 | 1019 | 388 | 912  | 198 | —     | 238.0 |       |
| —               | GP2A - HT 30/2  | A    |       |       |               |     |      |     |      |     | —     | 244.0 |       |
| —               | GP2A - HT 30/3  | B    |       |       |               |     |      |     | 1044 |     | —     | 273.0 |       |
| —               | GP2A - HT 30/4  | B    |       |       |               |     |      |     |      |     | —     | 290.0 |       |
| —               | GP2A - HT 30/5  | B    |       |       |               |     |      |     |      |     | —     | 397.0 |       |
| —               | GP2A - HT 30/6  | B    |       |       |               |     |      |     |      |     | —     | 398.0 |       |