

# PLUS



PLUS 3



PLUS 5



PLUS 7



PLUS 9



PLUS 18



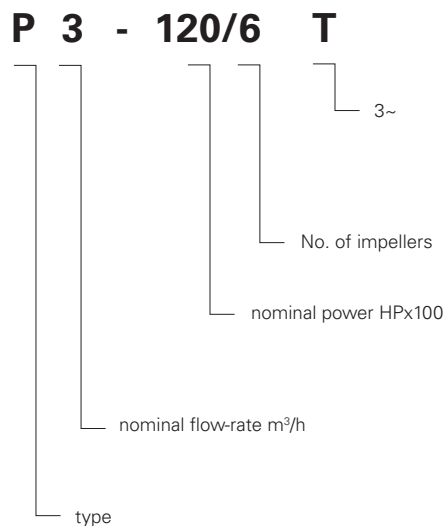
Pompe centrifughe multistadio orizzontali. Adatte alla movimentazione di liquidi non carichi; sistemi di pressurizzazione; irrigazione; acque potabili o con glicole in soluzione; trattamento acque; industria alimentare; riscaldamento e condizionamento; sistemi di lavaggio.

Stainless steel multistage horizontal pumps. Pumping of clean non-loaded fluids; pressurizing system; irrigation; drinking and glycol water; water treatment; heating and air conditioning; washing system.

Bombas centrífugas multietapas horizontales. Bombeo de líquidos químicamente y mecánicamente no agresivos; sistemas de presurización; riegos; agua potable o con glycol; tratamientos del agua; industria alimenticia; calefacción y refrigeración; sistemas de lavado.

Pompes centrifuges multicellulaires horizontales. Pompage d'eaux propres non chargées; groupes de surpression; irrigation; eau potable ou solution de glycol; traitement des eaux; industrie alimentaire; chauffage et climatisation; stations de lavage auto.

| CARATTERISTICHE COSTRUTTIVE / CONSTRUCTION FEATURES<br>CARACTERÍSTICAS CONSTRUCTIVAS / CARACTÉRISTIQUES D'EXÉCUTION  |  |
|--|--|
| <b>Corpo pompa, disco portatenuta meccanica</b><br><b>Pump body, mechanical seal housing</b><br><b>Cuerpo bomba, apoyo sello mecánico</b><br><b>Corps de pompe, plaque garniture mécanique</b> | acciaio cromo-nickel AISI 304<br>stainless steel AISI 304<br>acero cromo-níquel AISI 304<br>acier chrome-nickel AISI 304   |
| <b>Supporto motore</b><br><b>Motor bracket</b><br><b>Soporte motor</b><br><b>Support moteur</b>  | alluminio<br>aluminium<br>aluminio<br>aluminium  |
| <b>Giranti, diffusori</b><br><b>Impellers, diffusers</b><br><b>Rodetes, difusores</b><br><b>Turbines, diffuseurs</b>   | Noryl®   |
| <b>Tenuta meccanica</b><br><b>Mechanical seal</b><br><b>Sello mecánico</b><br><b>Garniture mécanique</b>   | ceramica-grafite ≤ 6 giranti<br>grafite-carburo di silicio ≥ 7 giranti<br>ceramic-graphite ≤ 6 impellers<br>graphite-silicon carbide ≥ 7 impellers<br>cerámica-grafito ≤ 6 rodetes<br>grafito-carburo de silicio ≥ 7 rodetes<br>céramique-graphite ≤ 6 turbines<br>graphite-carbure de silicium ≥ 7 turbines |
| <b>Albero motore</b><br><b>Motor shaft</b><br><b>Eje motor</b><br><b>Arbre moteur</b>  | acciaio cromo-nickel AISI 303<br>stainless steel AISI 303<br>acero cromo-níquel AISI 303<br>acier chrome-nickel AISI 303   |
| <b>Temperatura del liquido</b><br><b>Liquid temperature</b><br><b>Temperatura del líquido</b><br><b>Température du liquide</b>   | -5 ÷ +35 °C  |
| <b>Pressione di esercizio</b><br><b>Operating pressure</b><br><b>Presión de trabajo</b><br><b>Pression de fonctionnement</b>   | max 8,5 bar  |
| MOTORE / MOTOR / MOTOR / MOTEUR  |  |
| <b>Motore 2 poli a induzione</b><br><b>2 pole induction motor</b><br><b>Motor de 2 polos a inducción</b><br><b>Moteur à induction à 2 pôles</b>  | 3~ 230/400V-50Hz<br>1~ 230V-50Hz<br>(con termoprotettore fino a 1,85kW<br>with thermal protection up to 1,85 kW<br>con protección térmica hasta 1,85 kW<br>avec protection thermique jusqu'à 1,85 kW)  |
| <b>Classe di isolamento</b><br><b>Insulation class</b><br><b>Clase de aislamiento</b><br><b>Classe d'isolation</b>   | F  |
| <b>Grado di protezione</b><br><b>Protection degree</b><br><b>Grado de protección</b><br><b>Protection</b>  | IP44   |



| TYPE      |            | P2   |      | P1 (kW) |      | AMPERE           |                  | Q (m³/h - l/min) |      |      |      |      |      |      |
|-----------|------------|------|------|---------|------|------------------|------------------|------------------|------|------|------|------|------|------|
| 1~        | 3~         |      |      |         |      | 1~               | 3~               | 0                | 0,6  | 1,2  | 1,8  | 2,4  | 3,6  | 4,8  |
|           |            |      |      |         |      | 1x230 V<br>50 Hz | 3x400 V<br>50 Hz | 0                | 10   | 20   | 30   | 40   | 60   | 80   |
|           |            | (HP) | (kW) | 1~      | 3~   | H (m)            |                  |                  |      |      |      |      |      |      |
| P 3-50/2  | P 3-50/2T  | 0,5  | 0,37 | 0,45    | 0,46 | 2                | 0,9              | 20,2             | 18,8 | 17,3 | 15,3 | 13,7 | 9,5  | 4,9  |
| P 3-70/3  | P 3-70/3T  | 0,7  | 0,51 | 0,65    | 0,63 | 2,9              | 1,2              | 30,0             | 27,9 | 25,4 | 23,0 | 20,3 | 14,0 | 6,7  |
| P 3-90/4  | P 3-90/4T  | 0,9  | 0,66 | 0,9     | 0,88 | 4                | 1,8              | 40,8             | 38,3 | 35,1 | 31,8 | 27,9 | 19,8 | 10,4 |
| P 3-100/5 | P 3-100/5T | 1    | 0,75 | 1,06    | 1,01 | 4,8              | 1,9              | 52,2             | 48,9 | 45,1 | 40,8 | 36,0 | 25,4 | 14,0 |
| P 3-120/6 | P 3-120/6T | 1,2  | 0,9  | 1,23    | 1,23 | 5,6              | 2,6              | 62,8             | 58,7 | 54,5 | 49,6 | 43,9 | 32,1 | 18,3 |
| P 3-150/7 | P 3-150/7T | 1,5  | 1,1  | 1,54    | 1,45 | 7,1              | 2,9              | 75,5             | 71,3 | 66,6 | 61,2 | 54,8 | 41,1 | 24,9 |

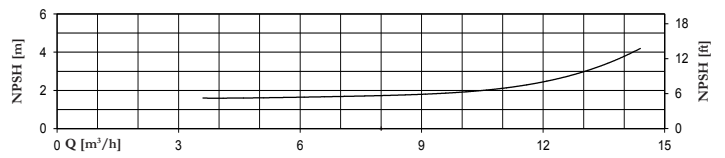
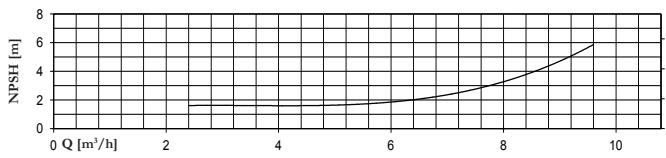
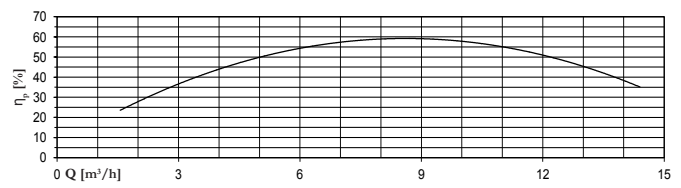
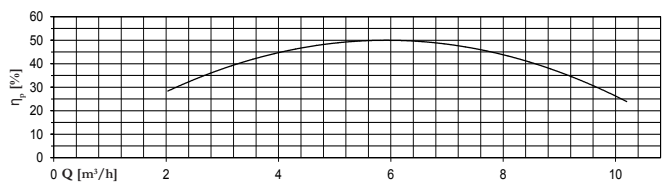
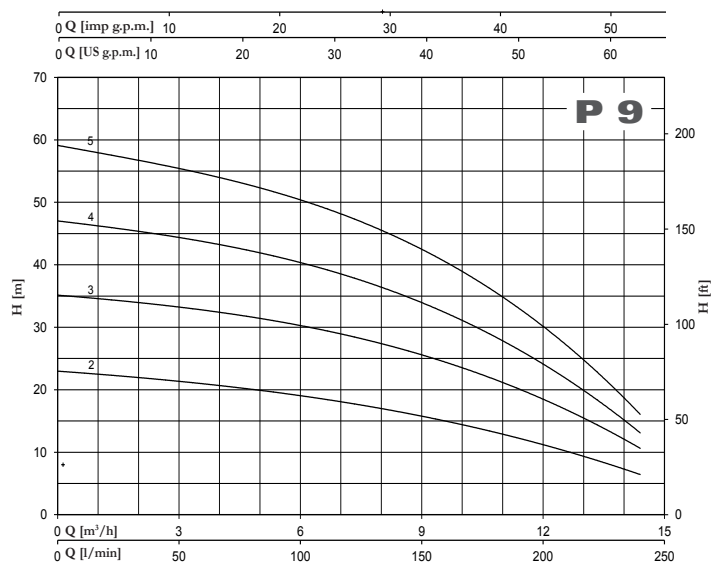
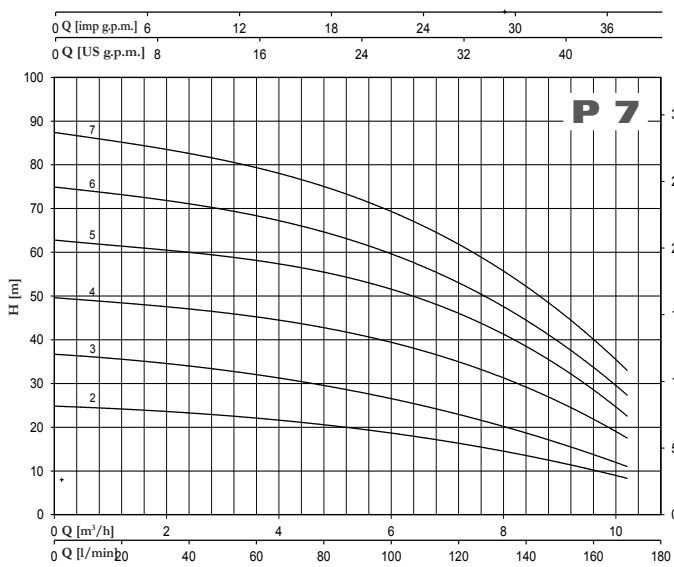
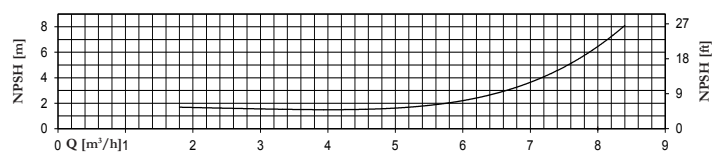
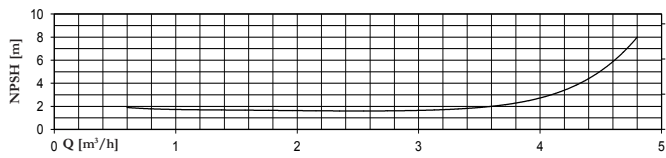
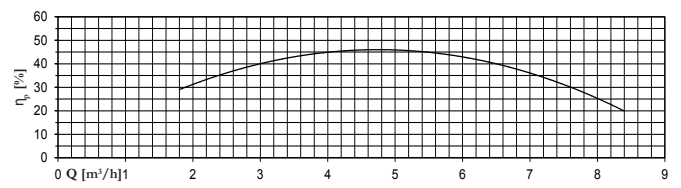
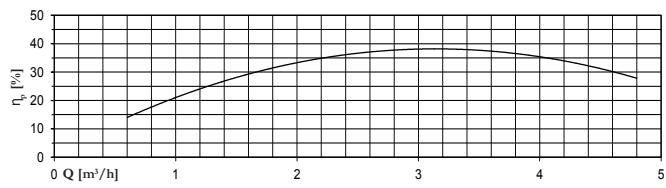
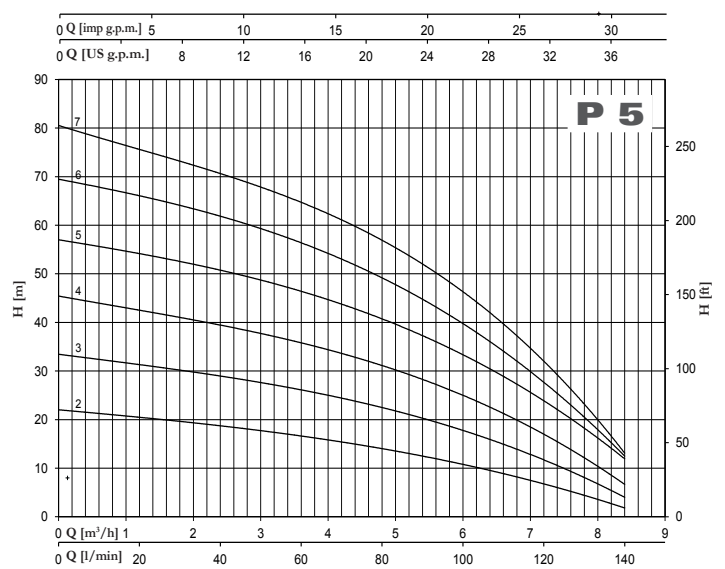
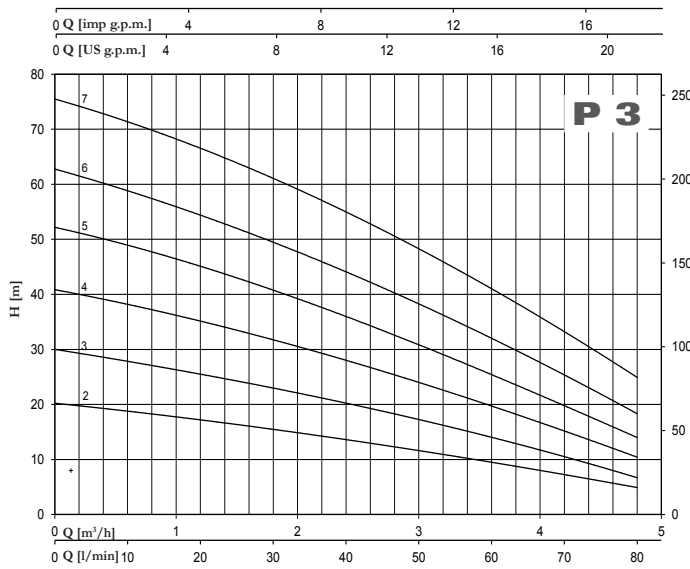
| TYPE      |            | P2   |      | P1 (kW) |      | AMPERE           |                  | Q (m³/h - l/min) |      |      |      |      |      |      |      |
|-----------|------------|------|------|---------|------|------------------|------------------|------------------|------|------|------|------|------|------|------|
| 1~        | 3~         |      |      |         |      | 1~               | 3~               | 0                | 1,8  | 2,4  | 3,6  | 4,8  | 6    | 7,2  | 8,4  |
|           |            |      |      |         |      | 1x230 V<br>50 Hz | 3x400 V<br>50 Hz | 0                | 30   | 40   | 60   | 80   | 100  | 120  | 140  |
|           |            | (HP) | (kW) | 1~      | 3~   | H (m)            |                  |                  |      |      |      |      |      |      |      |
| P 5-70/2  | P 5-70/2T  | 0,7  | 0,51 | 0,61    | 0,58 | 2,7              | 1,1              | 22,0             | 19,7 | 18,7 | 16,6 | 14,0 | 10,8 | 6,8  | 1,8  |
| P 5-80/3  | P 5-80/3T  | 0,8  | 0,6  | 0,86    | 0,79 | 3,9              | 1,5              | 33,4             | 30,3 | 29,0 | 26,0 | 22,5 | 17,6 | 12,0 | 3,9  |
| P 5-120/4 | P 5-120/4T | 1,2  | 0,9  | 1,13    | 1,13 | 5,2              | 2,5              | 45,3             | 41,3 | 39,6 | 35,6 | 30,8 | 24,9 | 17,6 | 6,4  |
| P 5-150/5 | P 5-150/5T | 1,5  | 1,1  | 1,47    | 1,39 | 6,8              | 2,8              | 56,8             | 53,0 | 51,0 | 46,1 | 40,1 | 33,3 | 24,8 | 11,5 |
| P 5-180/6 | P 5-180/6T | 1,8  | 1,3  | 1,7     | 1,62 | 7,7              | 3                | 69,3             | 64,4 | 62,0 | 55,6 | 48,2 | 39,6 | 28,8 | 12,0 |
| P 5-200/7 | P 5-200/7T | 2    | 1,5  | 2       | 1,86 | 9                | 3,4              | 80,3             | 73,6 | 71,0 | 64,5 | 56,1 | 46,0 | 33,4 | 12,5 |

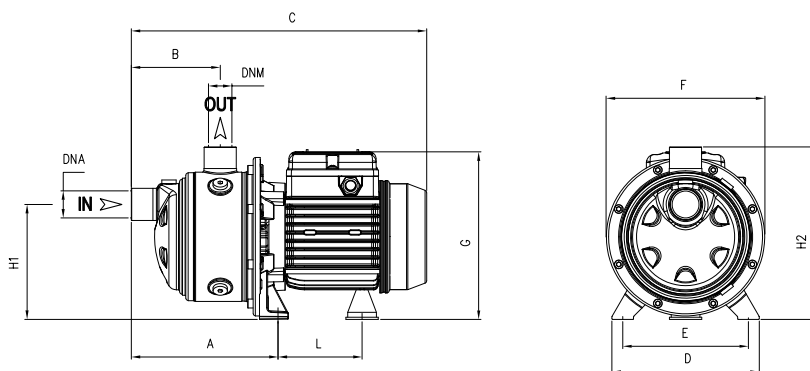
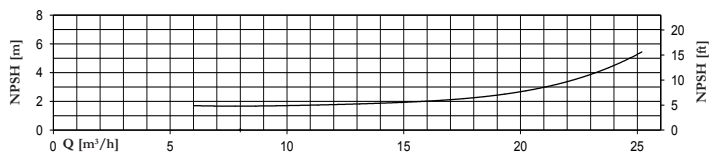
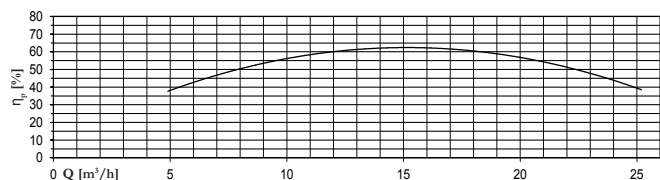
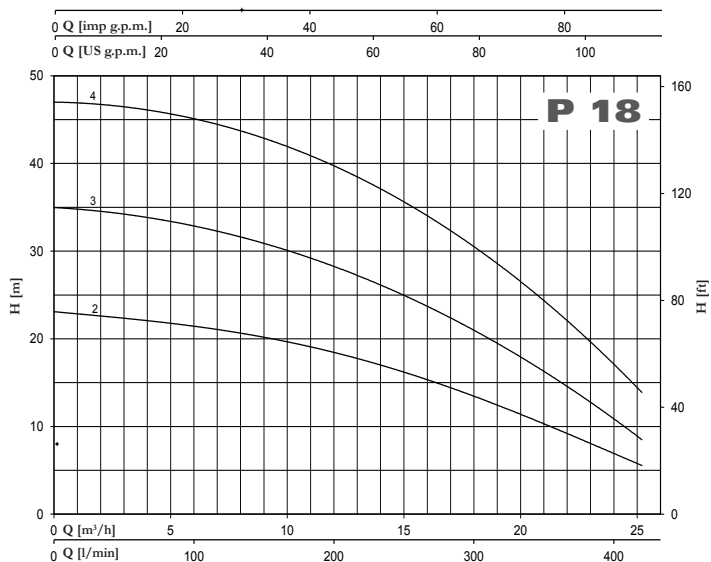
| TYPE      |            | P2   |      | P1 (kW) |      | AMPERE           |                  | Q (m³/h - l/min) |      |      |      |      |      |      |      |      |
|-----------|------------|------|------|---------|------|------------------|------------------|------------------|------|------|------|------|------|------|------|------|
| 1~        | 3~         |      |      |         |      | 1~               | 3~               | 0                | 2,4  | 3,6  | 4,8  | 6    | 7,2  | 8,4  | 9,6  | 10,2 |
|           |            |      |      |         |      | 1x230 V<br>50 Hz | 3x400 V<br>50 Hz | 0                | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 170  |
|           |            | (HP) | (kW) | 1~      | 3~   | H (m)            |                  |                  |      |      |      |      |      |      |      |      |
| P 7-100/2 | P 7-100/2T | 1    | 0,75 | 0,97    | 0,9  | 4,4              | 1,7              | 24,8             | 23,4 | 22,0 | 20,5 | 18,7 | 16,3 | 13,6 | 10,2 | 8,3  |
| P 7-120/3 | P 7-120/3T | 1,2  | 0,9  | 1,32    | 1,3  | 5,9              | 2,6              | 36,7             | 34,0 | 32,0 | 29,6 | 26,5 | 23,0 | 18,6 | 13,8 | 11,0 |
| P 7-180/4 | P 7-180/4T | 1,8  | 1,3  | 1,83    | 1,71 | 8,3              | 3,2              | 49,5             | 47,4 | 45,3 | 42,5 | 39,2 | 34,8 | 29,4 | 22,6 | 16,9 |
| P 7-250/5 | P 7-250/5T | 2,5  | 1,85 | 2,39    | 2,15 | 10,9             | 4,2              | 62,6             | 60,6 | 58,2 | 55,1 | 51,1 | 45,8 | 39,0 | 29,8 | 21,5 |
| P 7-300/6 | P 7-300/6T | 3    | 2,2  | 2,68    | 2,63 | 12,2             | 5                | 74,8             | 71,5 | 68,3 | 64,5 | 59,3 | 53,0 | 44,6 | 34,5 | 26,7 |
| -         | P 7-350/7T | 3,5  | 2,57 | -       | 3,04 | -                | 5,5              | 87,2             | 83,3 | 79,3 | 74,6 | 68,9 | 61,9 | 52,5 | 41,0 | 32,2 |

| TYPE      |            | P2   |      | P1 (kW) |      | AMPERE           |                  | Q (m³/h - l/min) |      |      |      |      |      |      |      |      |      |      |
|-----------|------------|------|------|---------|------|------------------|------------------|------------------|------|------|------|------|------|------|------|------|------|------|
| 1~        | 3~         |      |      |         |      | 1~               | 3~               | 0                | 3,6  | 4,8  | 6    | 7,2  | 8,4  | 9,6  | 10,8 | 12   | 13,2 | 14,4 |
|           |            |      |      |         |      | 1x230 V<br>50 Hz | 3x400 V<br>50 Hz | 0                | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  | 220  | 240  |
|           |            | (HP) | (kW) | 1~      | 3~   | H (m)            |                  |                  |      |      |      |      |      |      |      |      |      |      |
| P 9-100/2 | P 9-100/2T | 1    | 0,75 | 0,98    | 0,92 | 4,4              | 1,7              | 23,0             | 20,9 | 20,0 | 19,1 | 17,9 | 16,6 | 15,0 | 13,2 | 11,1 | 8,9  | 6,5  |
| P 9-150/3 | P 9-150/3T | 1,5  | 1,1  | 1,43    | 1,38 | 6,7              | 2,8              | 35,2             | 32,6 | 31,5 | 30,3 | 28,8 | 26,9 | 24,5 | 21,5 | 18,3 | 14,7 | 10,8 |
| P 9-200/4 | P 9-200/4T | 2    | 1,5  | 1,88    | 1,77 | 8,4              | 3,3              | 47,1             | 43,5 | 42,0 | 40,5 | 38,3 | 35,7 | 32,4 | 28,4 | 23,8 | 18,9 | 13,3 |
| P 9-250/5 | P 9-250/5T | 2,5  | 1,85 | 2,32    | 2,18 | 10,6             | 4,3              | 59,2             | 54,4 | 52,4 | 50,4 | 47,9 | 44,8 | 40,5 | 35,5 | 29,8 | 23,5 | 16,3 |

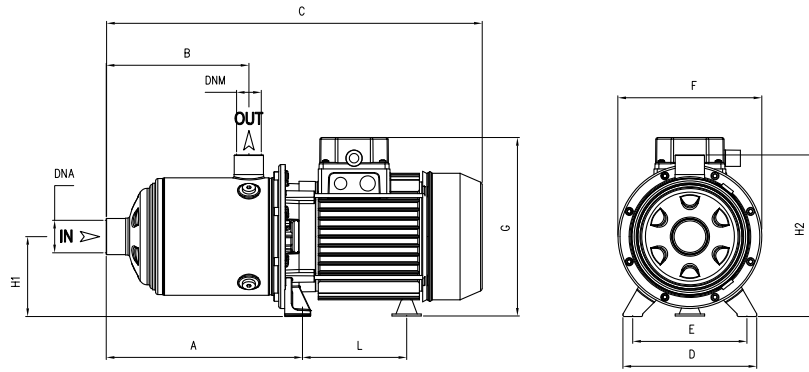
| TYPE        |  | P2   |      | P1 (kW) | A     | Q (m³/h - l/min) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--|------|------|---------|-------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 3~          |  |      |      |         |       | 3~               | 0    | 6    | 7,2  | 8,4  | 9,6  | 10,8 | 12   | 13,2 | 14,4 | 15,6 | 16,8 | 18   | 19,2 | 20,4 | 21,6 | 22,8 | 24   | 25,2 |
|             |  |      |      |         |       | 3x400 V<br>50 Hz | 0    | 100  | 120  | 140  | 160  | 180  | 200  | 220  | 240  | 260  | 280  | 300  | 320  | 340  | 360  | 380  | 400  | 420  |
|             |  | (HP) | (kW) | 3~      | H (m) |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| P 18-180/2T |  | 1,8  | 1,3  | 1,52    | 3     | 23,1             | 21,4 | 21,0 | 20,5 | 19,9 | 19,2 | 18,4 | 17,6 | 16,7 | 15,7 | 14,7 | 13,5 | 12,1 | 10,9 | 9,7  | 8,3  | 7,0  | 5,5  |      |
| P 18-250/3T |  | 2,5  | 1,85 | 2,19    | 4,3   | 35,0             | 32,7 | 32,2 | 31,4 | 30,5 | 29,5 | 28,3 | 26,7 | 25,5 | 24,3 | 22,8 | 21,2 | 19,3 | 17,3 | 15,1 | 12,9 | 10,8 | 8,7  |      |
| P 18-400/4T |  | 4    | 3    | 2,99    | 5,5   | 47,2             | 44,6 | 44,1 | 43,3 | 42,4 | 41,2 | 40,0 | 38,5 | 36,7 | 34,9 | 32,9 | 30,5 | 27,9 | 25,3 | 22,7 | 20,0 | 17,1 | 14,3 |      |

# PLUS





| TYPE      | DIMENSIONS (mm) |     |     |     |     |     |     |       |     |     | Kg   |        | DNA  | DNM  |
|-----------|-----------------|-----|-----|-----|-----|-----|-----|-------|-----|-----|------|--------|------|------|
|           | A               | B   | C   | D   | E   | F   | G   | L     | H1  | H2  |      |        |      |      |
| P 3-50/2  | 166.8           | 103 | 333 | 164 | 140 | 178 | 190 | 93.7  | 128 | 192 | 6,5  | T 6    | 1" G | 1" G |
| P 3-70/3  | 166.8           | 103 | 333 | 164 | 140 | 178 | 190 | 93.7  | 128 | 192 | 7    |        |      |      |
| P 3-90/4  | 190.8           | 127 | 357 | 164 | 140 | 178 | 190 | 93.7  | 128 | 192 | 8,5  |        |      |      |
| P 3-100/5 | 214.8           | 151 | 404 | 164 | 140 | 178 | 203 | 104.7 | 128 | 192 | 10,5 |        |      |      |
| P 3-120/6 | 238.8           | 175 | 428 | 164 | 140 | 178 | 203 | 104.7 | 128 | 192 | 11,5 |        |      |      |
| P 3-150/7 | 262.8           | 199 | 513 | 164 | 140 | 201 | 211 | 128.2 | 134 | 198 | 14,5 | T 14   |      |      |
| P 5-70/2  | 166.8           | 103 | 333 | 164 | 140 | 178 | 195 | 93.7  | 128 | 192 | 7    |        | 1" G | 1" G |
| P 5-80/3  | 166.8           | 103 | 357 | 164 | 140 | 178 | 203 | 93.7  | 128 | 192 | 9,5  | T 10,5 |      |      |
| P 5-120/4 | 190.8           | 127 | 380 | 164 | 140 | 178 | 203 | 104.7 | 128 | 192 | 11   |        |      |      |
| P 5-150/5 | 214.8           | 151 | 466 | 164 | 140 | 201 | 211 | 128.2 | 134 | 198 | 13,5 |        |      |      |
| P 5-180/6 | 238.8           | 175 | 489 | 164 | 140 | 201 | 211 | 128.2 | 134 | 198 | 15   | T 14   |      |      |
| P 5-200/7 | 262.8           | 199 | 513 | 164 | 140 | 201 | 211 | 128.2 | 134 | 198 | 15,5 | T 15   |      |      |



| TYPE         | DIMENSIONS (mm) |       |              |     |     |     |     |       |     |     | Kg   | DNA     | DNM     |        |
|--------------|-----------------|-------|--------------|-----|-----|-----|-----|-------|-----|-----|------|---------|---------|--------|
|              | A               | B     | C            | D   | E   | F   | G   | L     | H1  | H2  |      |         |         |        |
| P 7-100/2    | 166.8           | 103   | 356          | 164 | 140 | 178 | 203 | 104.7 | 92  | 192 | 10   | 1"1/4 G | 1" G    |        |
| P 7-120/3    | 166.8           | 103   | 356          | 164 | 140 | 178 | 203 | 104.7 | 92  | 192 | 10,5 |         |         |        |
| P 7-180/4    | 190.8           | 127   | 441          | 164 | 140 | 201 | 211 | 128.2 | 98  | 198 | 14   |         |         | T 13   |
| P 7-250/5    | 214.8           | 151   | 466          | 164 | 140 | 201 | 211 | 128.2 | 98  | 198 | 16   |         |         | T 15   |
| P 7-300/6    | 238.8           | 175   | 543<br>T 489 | 164 | 140 | 201 | 229 | 148.2 | 103 | 203 | 18   |         |         | T 16   |
| P 7-350/7    | 262.8           | 199   | 567          | 164 | 140 | 201 | 229 | 148.2 | 103 | 203 | 21,5 |         |         |        |
| P 9-100/2    | 185.8           | 118   | 375          | 164 | 140 | 178 | 203 | 104.7 | 98  | 192 | 10   | 1"1/2 G | 1"1/4 G |        |
| P 9-150/3    | 185.8           | 118   | 405          | 164 | 140 | 201 | 211 | 128.2 | 98  | 198 | 13   |         |         |        |
| P 9-200/4    | 215.8           | 148   | 466          | 164 | 140 | 201 | 211 | 128.2 | 98  | 198 | 15   |         |         | T 14   |
| P 9-250/5    | 245.8           | 178   | 494          | 164 | 140 | 201 | 211 | 128.2 | 98  | 198 | 16   |         |         | T 15,5 |
| P 18-180/2 T | 201             | 141   | 462          | 164 | 140 | 201 | 211 | 128.2 | 98  | 198 | 13   | 2" G    | 1"1/2 G |        |
| P 18-250/3 T | 238.5           | 141   | 462          | 164 | 140 | 201 | 211 | 128.2 | 98  | 198 | 15   |         |         |        |
| P 18-400/4 T | 276             | 178.5 | 554          | 164 | 140 | 201 | 229 | 148,2 | 103 | 203 | 24   |         |         |        |

| TYPE                | TRUCK       |          | CONTAINER   |          |
|---------------------|-------------|----------|-------------|----------|
|                     | PALLET (cm) | N° pumps | PALLET (cm) | N° pumps |
| P 3-50/2-90/4       | 80X120X150  | 84       | 80X120X175  | 96       |
| P 3-100/5-120/6     | 85X110X160  | 70       | 85X110X185  | 80       |
| P 3-150/7           | 80X120X150  | 42       | 80X120X175  | 49       |
| P 5-70/2            | 80X120X150  | 84       | 80X120X175  | 96       |
| P 5-80/3-120/4      | 85X110X160  | 70       | 85X110X185  | 80       |
| P 5-150/5           | 90X110X150  | 54       | 90X110X170  | 63       |
| P 5-180/6-200/7     | 80X120X150  | 42       | 80X120X175  | 49       |
| P 7-100/2-120/3     | 85X110X160  | 70       | 85X110X185  | 80       |
| P 7-180/4-250/5     | 90X110X150  | 54       | 90X110X170  | 63       |
| P 7-300/6 T         | 80X120X150  | 42       | 80X120X175  | 49       |
| P 7-300/6 M-350/7 T | 80X120X145  | 35       | 80X120X170  | 42       |
| P 9-100/2           | 85X110X160  | 70       | 85X110X185  | 80       |
| P 9-150/3-200/4     | 90X110X150  | 54       | 90X110X170  | 63       |
| P 9-250/5           | 80X120X150  | 42       | 80X120X175  | 49       |
| P 18-180/2-250/3    | 90X110X150  | 54       | 90X110X170  | 63       |
| P 18-400/4          | 80X120X145  | 35       | 80X120X170  | 42       |