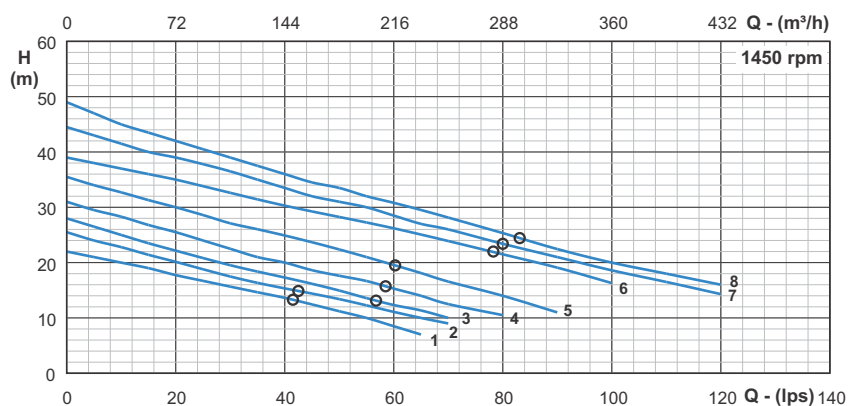




## PERFORMANCE TABLE

| No | Model - Type         | P1<br>kW | P2<br>kW | Volt | Amp | rpm  | Delivery size<br>(mm) | Max.Solid size<br>(mm) | l/sec<br>m³/h | 0    | 10   | 20   | 30    | 40    | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120  |
|----|----------------------|----------|----------|------|-----|------|-----------------------|------------------------|---------------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|
|    |                      |          |          |      |     |      |                       |                        |               | 0    | 36   | 72   | 108   | 144   | 180  | 216  | 252  | 288  | 324  | 360  | 396  | 432  |
| 1  | FMc 150.9-4/263*#    | 11       | 9        | 400  | 20  | 1450 | 150                   | 90                     | Head<br>in m  | 22   | 20   | 17.7 | 15.6  | 13.63 | 11.2 | 8.5  | -    | -    | -    | -    | -    | -    |
| 2  | FMc 150.12-4/280*#   | 14       | 12       | 400  | 24  | 1450 | 150                   | 90                     |               | 28   | 25   | 22.1 | 19.5  | 17.3  | 14.9 | 12.3 | 10   | -    | -    | -    | -    | -    |
| 3  | FMc 150.14-4/298*#   | 17       | 14       | 400  | 30  | 1450 | 150                   | 90                     |               | 25.5 | 22.8 | 20.1 | 17.5  | 15.3  | 13.4 | 11   | 9    | -    | -    | -    | -    | -    |
| 4  | FMc 150.17.5-4/313*# | 20       | 17.5     | 400  | 36  | 1450 | 150                   | 90                     |               | 31   | 28.3 | 25.5 | 22.5  | 20    | 17.6 | 15.3 | 12.5 | 10.5 | -    | -    | -    | -    |
| 5  | FMc 150.22-4/345*#   | 25       | 22       | 400  | 45  | 1450 | 150                   | 90                     |               | 35.5 | 32.7 | 30   | 27.1  | 24.9  | 22.3 | 19.5 | 16.5 | 14   | 11   | -    | -    | -    |
| 6  | FMc 150.26-4/357*#   | 29       | 26       | 400  | 48  | 1450 | 150                   | 90                     |               | 39   | 37   | 35   | 32.62 | 30.3  | 28.2 | 26.2 | 23.9 | 21.5 | 19   | 16.3 | -    | -    |
| 7  | FMc 150.30-4/367*#   | 33       | 30       | 400  | 60  | 1450 | 150                   | 90                     |               | 44.5 | 41.5 | 39   | 36.5  | 33.5  | 31   | 28.5 | 26   | 23.4 | 21   | 18.6 | 16.5 | 14.3 |
| 8  | FMc 150.34-4/372*#   | 39       | 34       | 400  | 68  | 1450 | 150                   | 90                     |               | 49   | 45   | 42   | 39    | 36    | 33.5 | 30.8 | 28.1 | 25.3 | 22.4 | 20   | 18   | 16   |

\* Inbuilt with TOP / # Moisture sensor available

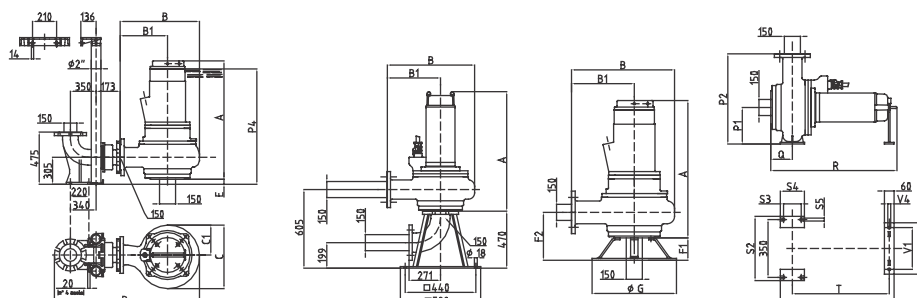
### DIMENSION & WEIGHT DATA

| No | Model - Type       | A <sub>max</sub> | B   | B1  | C   | C1  | D    | E   | F1  | F2  | G   | P2  | P4   | P1  | Q   | S1  | S2  | S3  | S4  | S5 | T    | U    | V1  | V2  | Auto coupling V | Weight (kg) |
|----|--------------------|------------------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|----|------|------|-----|-----|-----------------|-------------|
| 1  | FMc 150.9-4/263    | 742              | 583 | 333 | 490 | 220 | 1257 | 171 | 125 | 303 | 450 | 583 | 863  | 250 | 135 | 350 | 410 | 120 | 160 | 18 | 902  | 1012 | 310 | 370 | 150N            | 190         |
| 2  | FMc 150.12-4/280   | 818              | 592 | 333 | 490 | 220 | 1266 | 171 | 125 | 303 | 450 | 583 | 939  | 250 | 135 | 350 | 410 | 120 | 160 | 18 | 902  | 1012 | 310 | 370 | 150N            | 192         |
| 3  | FMc 150.14-4/298   | 818              | 592 | 333 | 490 | 220 | 1266 | 171 | 125 | 303 | 450 | 583 | 939  | 250 | 135 | 350 | 410 | 120 | 160 | 18 | 902  | 1012 | 310 | 370 | 150N            | 218         |
| 4  | FMc 150.17,5-4/313 | 818              | 592 | 333 | 490 | 220 | 1266 | 171 | 125 | 303 | 450 | 583 | 939  | 250 | 135 | 350 | 410 | 120 | 160 | 18 | 902  | 1012 | 310 | 370 | 150N            | 222         |
| 5  | FMc 150.22-4/345   | 884              | 691 | 420 | 549 | 244 | 1365 | 166 | 174 | 306 | 600 | 770 | 994  | 310 | 140 | 350 | 450 | 90  | 140 | 20 | 1125 | 1225 | 360 | 420 | 150N            | 320         |
| 6  | FMc 150.26-4/357   | 884              | 691 | 420 | 549 | 244 | 1365 | 166 | 174 | 306 | 600 | 770 | 994  | 310 | 140 | 350 | 450 | 90  | 140 | 20 | 1125 | 1225 | 360 | 420 | 150N            | 410         |
| 7  | FMc 150.30-4/367   | 1082             | 691 | 420 | 549 | 244 | 1365 | 166 | 174 | 306 | 600 | 770 | 1143 | 310 | 140 | 350 | 450 | 90  | 140 | 20 | 1125 | 1225 | 360 | 420 | 150N            | 420         |
| 8  | FMc 150.34-4/372   | 1082             | 691 | 420 | 549 | 244 | 1365 | 166 | 174 | 306 | 600 | 770 | 1143 | 310 | 140 | 350 | 450 | 90  | 140 | 20 | 1125 | 1225 | 360 | 420 | 150N            | 430         |

### ACCESSORIES DETAILS & IDENTIFICATION CODE

| No | Model - Type       | Power Cable |               | Control Cable |               | Auto coupling Model | Auto coupling Code | Base Frame Model | Base Frame Code | Pump Outlet flange type (inch) |
|----|--------------------|-------------|---------------|---------------|---------------|---------------------|--------------------|------------------|-----------------|--------------------------------|
|    |                    | No. of Core | Size in Sq.mm | No. of Core   | Size in Sq.mm |                     |                    |                  |                 |                                |
| 1  | FMc 150.9-4/263    | 7           | 1.5           | 4             | 1.5           | V150N               | 121063             | BAP150-1         | 117186          | ROUND FLANGE 5"                |
| 2  | FMc 150.12-4/280   | 4           | 4             | 4             | 1.5           | V150N               | 121063             | BAP150-1         | 117186          | ROUND FLANGE 5"                |
| 3  | FMc 150.14-4/298   | 4           | 4             | 4             | 1.5           | V150N               | 121063             | BAP150-1         | 117186          | ROUND FLANGE 5"                |
| 4  | FMc 150.17,5-4/313 | 4           | 4             | 4             | 1.5           | V150N               | 121063             | BAP150-1         | 117186          | ROUND FLANGE 5"                |
| 5  | FMc 150.22-4/345   | 4           | 6             | 4             | 1.5           | V150N               | 121063             | BAP150-2         | 117185          | ROUND FLANGE 6"                |
| 6  | FMc 150.26-4/357   | 4           | 6             | 4             | 1.5           | V150N               | 121063             | BAP150-2         | 117185          | ROUND FLANGE 6"                |
| 7  | FMc 150.30-4/367   | 4           | 10            | 4             | 1.5           | V150N               | 121063             | BAP150-2         | 117185          | ROUND FLANGE 6"                |
| 8  | FMc 150.34-4/372   | 4           | 10            | 4             | 1.5           | V150N               | 121063             | BAP150-2         | 117185          | ROUND FLANGE 6"                |

### DIMENSION DRAWING



\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



# FKc Series



## FKc Series

The FKc Series submersible sewage pumps are multi vane design used to improve performance with larger solid passage upto 6½" in diameter. The closed multi-vane impeller for solids-laden and muddy fluids offers the highest efficiency for waste water. These pumps are suitable for pumping municipal waste water, Industrial waste water, Land fill waste water, Rain water and Activated sludge etc.

### Operating parameters

|                            |                        |
|----------------------------|------------------------|
| Max Flow                   | upto 2520m³/hr         |
| Max Head                   | upto 66.5m             |
| Impeller Type              | Multi-Channel Impeller |
| Outlet Size                | 150 - 400 mm           |
| Max Solid Size             | upto 165mm             |
| Maximum Liquid Temperature | upto 40°C              |
| Service                    | S1 Duty                |
| No. of Starts / Per Hour   | 20                     |
| Max. immersion depth       | 20m                    |
| pH range                   | 6 to 12                |
| Liquid Viscosity           | 1 mm²/s                |
| Liquid Density             | 1kg/dm³                |
| Max. Noise level           | ≤ 70dB                 |

### Specifications

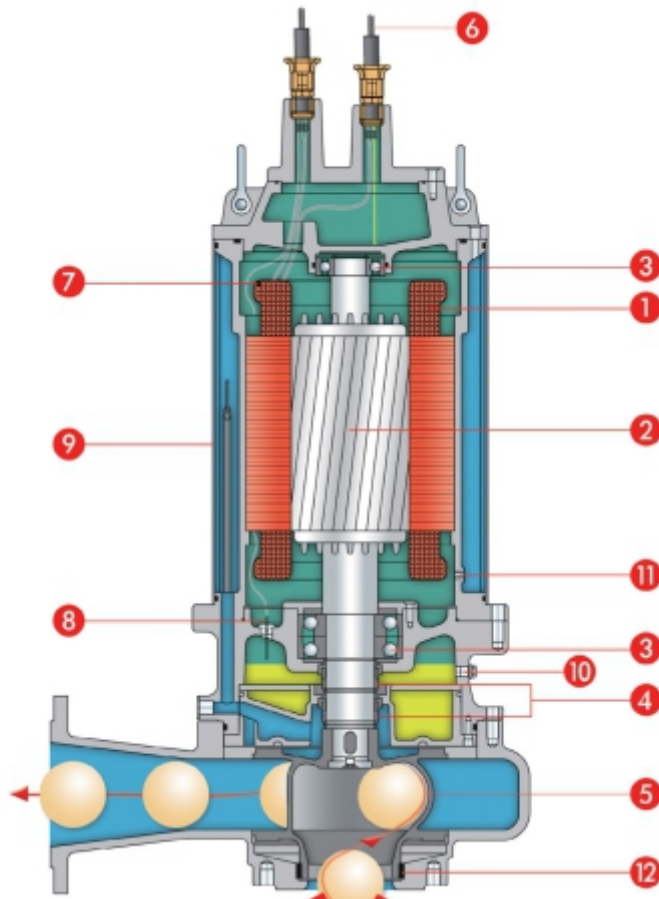
|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| Power Range                      | 10.5 to 185kW                                                       |
| Power Supply                     | 380-415V - Three Phase, 50Hz, AC.                                   |
| Ingress Protection               | IP68                                                                |
| Motor                            | Dry Type Induction motor                                            |
| Speed                            | 1450 / 960 / 720 rpm                                                |
| Class of Insulation              | H                                                                   |
| Moisture sensor                  | # Available                                                         |
| Thermal Overload Protector       | * Available                                                         |
| Starting Method                  | Three Phase - DOL & SD                                              |
| Shaft Seal                       | Single / Double Mechanical seal                                     |
| Mechanical Seal Face Combination | Silicon Carbide / Silicon Carbide Silicon Carbide / Silicon Carbide |
| Bearing Type                     | Shielded prelubricated bearing                                      |
| Cable Type                       | HO7RNF                                                              |
| Standard Cable Length            | 10m                                                                 |

### Material of Construction

|               |                                     |
|---------------|-------------------------------------|
| Casing        | Cast iron EN-GJL-260                |
| Impeller      | Cast iron EN-GJL-260                |
| Motor Housing | Cast iron EN-GJL-260                |
| Shaft         | Stainless Steel X30 Cr13 (AISI 420) |
| Fasteners     | Stainless Steel A2 (AISI 304)       |



## Cross Section Drawing



- |                                                    |                                                         |
|----------------------------------------------------|---------------------------------------------------------|
| 1. Fully submersible pressure tight electric motor | 7. Thermal over load protector                          |
| 2. Rotor Shaft                                     | 8. Oil chamber probe                                    |
| 3. Bearing                                         | 9. Cooling jacket (optional)                            |
| 4. Mechanical seal                                 | 10. Oil inspection plug                                 |
| 5. Closed multi-channel impeller                   | 11. Air plug hole for the motor water tightness control |
| 6. Cable                                           | 12. Bronze wear ring                                    |

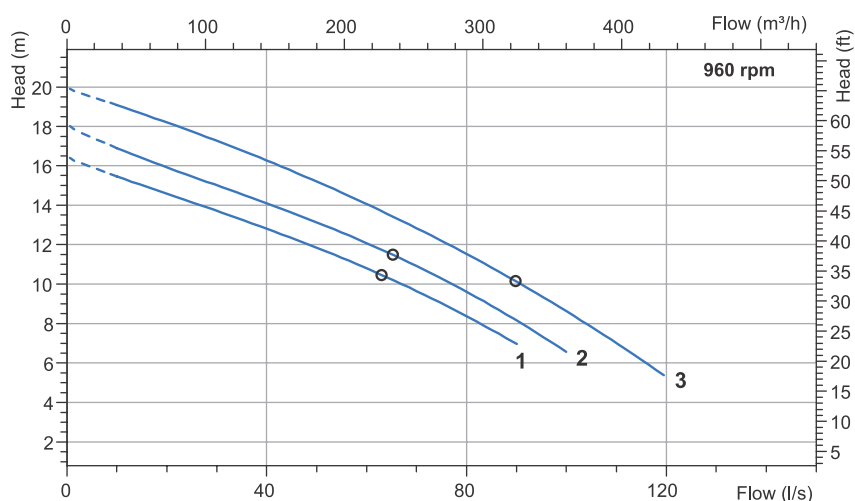
### PRODUCTS IDENTIFICATION CODE

|                      |                                            |               |                          |          |                                 |          |                     |
|----------------------|--------------------------------------------|---------------|--------------------------|----------|---------------------------------|----------|---------------------|
| <b>F</b>             | <b>Kc</b>                                  | <b>150.</b>   | <b>10,5</b>              | <b>-</b> | <b>6</b>                        | <b>/</b> | <b>330</b>          |
| • FIPS<br>PRODUCTION | • IMPELLER<br>DESIGN<br>(MULTI<br>CHANNEL) | • SERIES NAME | • P2 MOTOR NOMINAL POWER |          | • NO. OF POLES<br>(MOTOR SPEED) |          | • IMPELLER DIAMETER |

\* The above diagram is only for illustration purpose the actual construction of the product may vary according to the model.



## PERFORMANCE CURVES



## PERFORMANCE TABLE

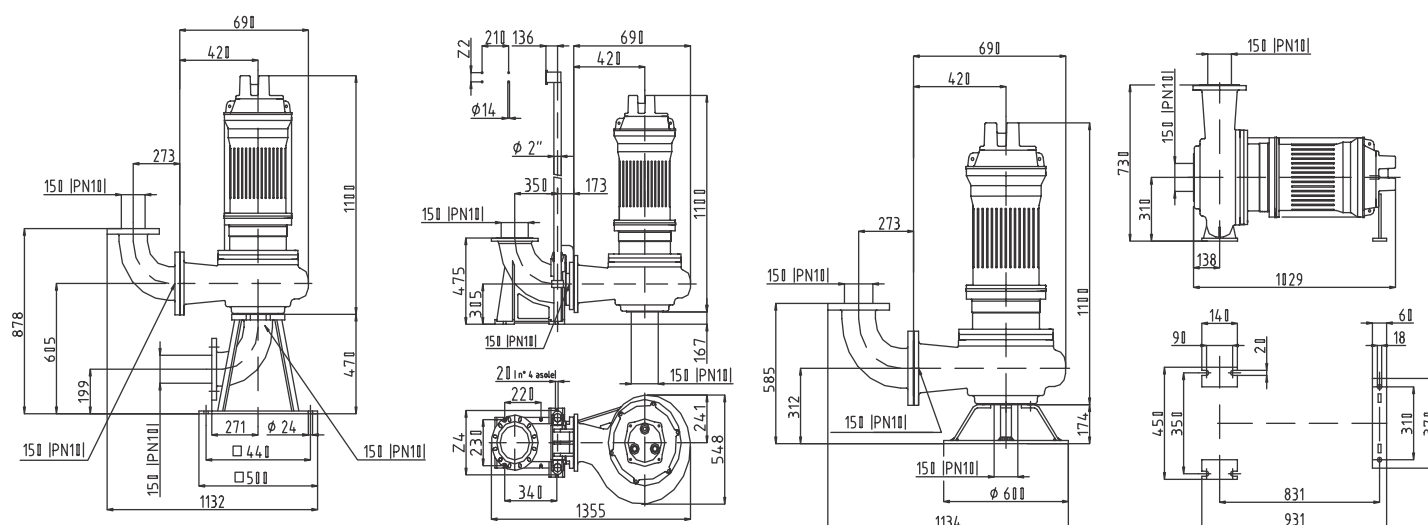
| No | Model - Type         | P1<br>kW | P2<br>kW | Volt | Amp  | rpm | Delivery size<br>(mm) | Max.Solid size<br>(mm) | Auto coupling<br>V | Weight<br>(kg) | I/sec<br>m³/h | 0    | 20   | 40   | 60   | 80   | 100 | 120 |
|----|----------------------|----------|----------|------|------|-----|-----------------------|------------------------|--------------------|----------------|---------------|------|------|------|------|------|-----|-----|
|    |                      |          |          |      |      |     |                       |                        |                    |                |               | 0    | 72   | 144  | 216  | 288  | 360 | 432 |
| 1  | FKc 150.10.5-6/330*# | 14.5     | 10.5     | 400  | 25   | 960 | 150                   | 80                     | 150N               | 310            | Head<br>in m  | 16.4 | 14.6 | 12.8 | 10.8 | 8.4  |     |     |
| 2  | FKc 150.11.5-6/335*# | 15.5     | 11.5     | 400  | 27   | 960 | 150                   | 80                     | 150N               | 310            |               | 18   | 16   | 14   | 12.1 | 9.7  | 6.5 |     |
| 3  | FKc 150.13.5-6/355*# | 16       | 13.5     | 400  | 29.4 | 960 | 150                   | 80                     | 150N               | 310            |               | 19.9 | 18.2 | 16.3 | 14   | 11.6 | 8.6 | 5.3 |

\* Inbuilt with TOP / # Moisture sensor available

### ACCESSORIES DETAILS & IDENTIFICATION CODE

| No | Model - Type       | Power Cable |               | Control Cable |               | Auto coupling Model | Auto coupling Code | Base Frame Model | Base Frame Code | Pump Outlet flange type (inch) |
|----|--------------------|-------------|---------------|---------------|---------------|---------------------|--------------------|------------------|-----------------|--------------------------------|
|    |                    | No. of Core | Size in Sq.mm | No. of Core   | Size in Sq.mm |                     |                    |                  |                 |                                |
| 1  | FKc 150.10,5-6/330 | 4           | 2.5           | 4             | 1.5           | V150N               | 121063             | BAP150-2         | 117185          | ROUND FLANGE 6"                |
| 2  | FKc 150.11,5-6/335 | 4           | 6             | 4             | 1.5           | V150N               | 121063             | BAP150-2         | 117185          | ROUND FLANGE 6"                |
| 3  | FKc 150.13,5-6/355 | 4           | 6             | 4             | 1.5           | V150N               | 121063             | BAP150-2         | 117185          | ROUND FLANGE 6"                |

### DIMENSION DRAWING

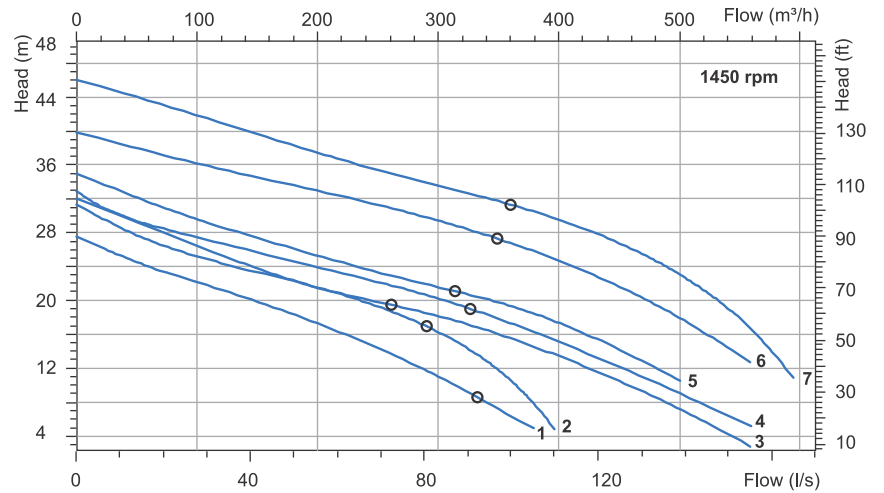


\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



# FKc 150-4

## PERFORMANCE CURVES



## PERFORMANCE TABLE

| No | Model - Type      | P1<br>kW | P2<br>kW | Volt | Amp | rpm  | Delivery size<br>(mm) | Max.Solid size<br>(mm) | I/sec<br>m³/h | 0    | 20   | 40   | 60   | 80   | 100  | 120  | 140  | 150  | 160  |
|----|-------------------|----------|----------|------|-----|------|-----------------------|------------------------|---------------|------|------|------|------|------|------|------|------|------|------|
|    |                   |          |          |      |     |      |                       |                        |               | 0    | 72   | 144  | 216  | 288  | 360  | 432  | 504  | 540  | 576  |
| 1  | FKc 150.14-4/270# | 17       | 14       | 400  | 30  | 1450 | 150                   | 80                     | Head<br>in m  | 27.4 | 23.4 | 20   | 16.3 | 11.8 | 6.4  |      |      |      |      |
| 2  | FKc 150.19-4/280# | 22       | 19       | 400  | 45  | 1450 | 150                   | 80                     |               | 31.8 | 28   | 24   | 20.7 | 17   | 10.5 |      |      |      |      |
| 3  | FKc 150.26-4/300# | 30       | 26       | 400  | 48  | 1450 | 150                   | 80                     |               | 31.2 | 26.5 | 23.4 | 21   | 18.6 | 15.5 | 11.6 | 6.8  | 4.2  |      |
| 4  | FKc 150.30-4/310* | 33       | 30       | 400  | 63  | 1450 | 150                   | 80                     |               | 32.5 | 28.8 | 25.6 | 23.1 | 20.7 | 17.5 | 13.2 | 8.4  | 6.6  |      |
| 5  | FKc 150.34-4/320* | 39       | 34       | 400  | 68  | 1450 | 150                   | 80                     |               | 35   | 31   | 27.4 | 24.6 | 22   | 19.2 | 16   | 9.4  | 6.9  |      |
| 6  | FKc 150.45-4/335# | 48       | 45       | 400  | 75  | 1450 | 150                   | 80                     |               | 40   | 37.1 | 34.7 | 32.4 | 29.9 | 26.7 | 22.7 | 17.6 | 14.4 |      |
| 7  | FKc 150.52-4/355# | 56       | 52       | 400  | 88  | 1450 | 150                   | 80                     |               | 46   | 42.7 | 40   | 37.1 | 34   | 30.9 | 27.7 | 23.1 | 18.8 | 13.8 |

\* Inbuilt with TOP / # Moisture sensor available

## ACCESSORIES DETAILS & IDENTIFICATION CODE

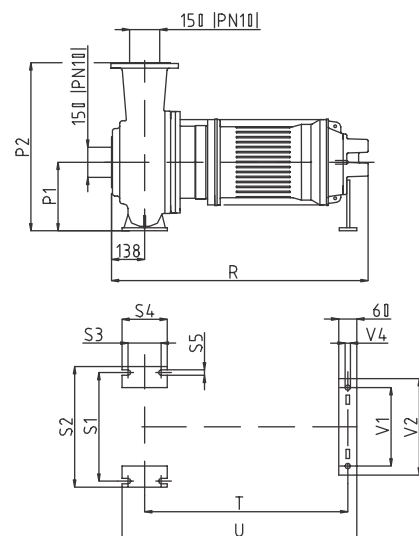
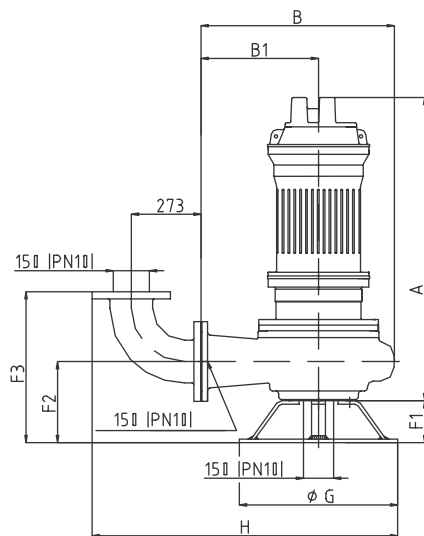
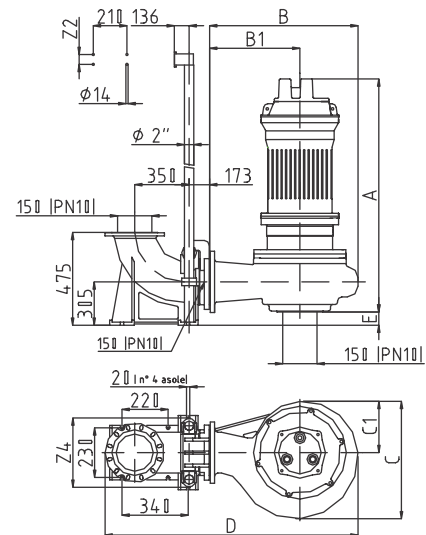
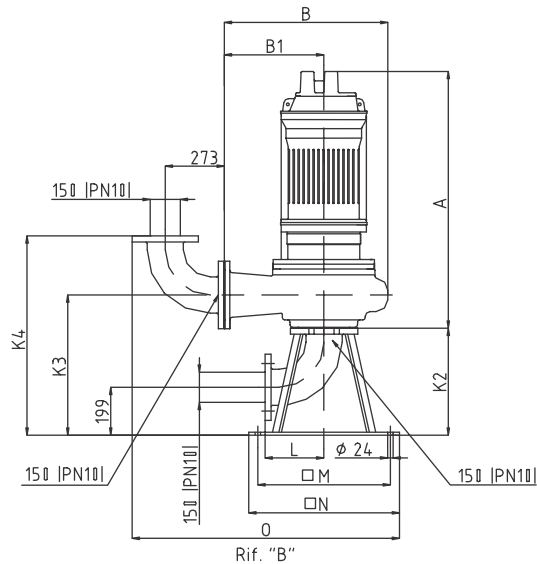
| No | Model - Type     | Power Cable |               | Control Cable |               | Auto coupling<br>Model | Auto coupling<br>Code | Base Frame<br>Model | Base Frame<br>Code | Pump Outlet flange type<br>(inch) |
|----|------------------|-------------|---------------|---------------|---------------|------------------------|-----------------------|---------------------|--------------------|-----------------------------------|
|    |                  | No. of Core | Size in Sq.mm | No. of Core   | Size in Sq.mm |                        |                       |                     |                    |                                   |
| 1  | FKc 150.14-4/270 | 4           | 4             | 4             | 1.5           | V150N                  | 121063                | BAP150-1            | 117186             | ROUND FLANGE 6"                   |
| 2  | FKc 150.19-4/280 | 4           | 4             | 4             | 1.5           | V150N                  | 121063                | BAP150-2            | 117185             | ROUND FLANGE 6"                   |
| 3  | FKc 150.26-4/300 | 4           | 6             | 4             | 1.5           | V150N                  | 121063                | BAP150-2            | 117185             | ROUND FLANGE 6"                   |
| 4  | FKc 150.30-4/310 | 4           | 10            | 4             | 1.5           | V150N                  | 121063                | BAP150-2            | 117185             | ROUND FLANGE 6"                   |
| 5  | FKc 150.34-4/320 | 4           | 10            | 4             | 1.5           | V150N                  | 121063                | BAP150-2            | 117185             | ROUND FLANGE 6"                   |
| 6  | FKc 150.45-4/335 | 4           | 10            | 4             | 1.5           | V150N                  | 121063                | BAP150-2            | 117185             | ROUND FLANGE 6"                   |
| 7  | FKc 150.52-4/355 | 4           | 10            | 4             | 1.5           | V150N                  | 121063                | BAP150-2            | 117185             | ROUND FLANGE 6"                   |

\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



# FKc 150-4

## DIMENSION DRAWING



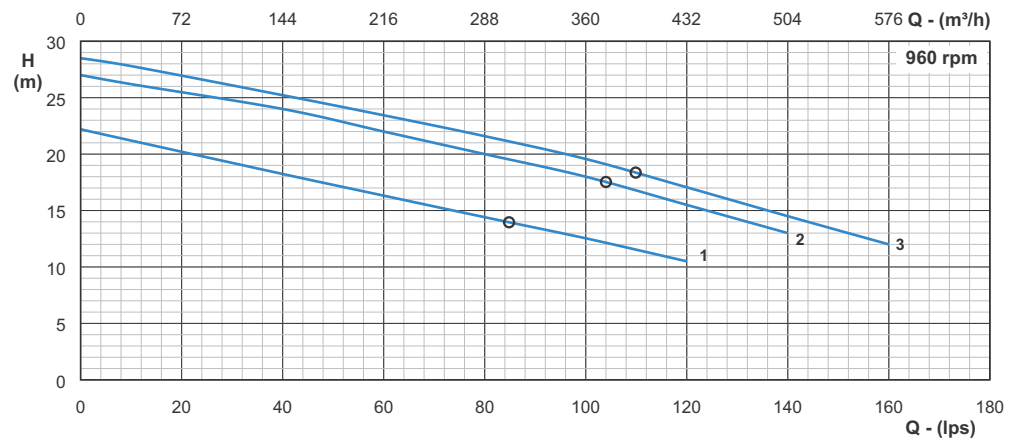
| DIMENSION & WEIGHT DATA |                  |          |     |     |     |     |      |     |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |     |     |    |          |          |     |     |    |                       |                |
|-------------------------|------------------|----------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----------|----------|-----|-----|----|-----------------------|----------------|
| Nr                      | Model - Type     | A<br>max | B   | B1  | C   | C1  | D    | E   | F1  | F2  | F3  | G   | H    | O    | P1  | K2  | K3  | K4  | L   | M   | N   | P2  | S1  | S2  | S3  | S4  | S5 | T<br>max | U<br>max | V1  | V2  | V4 | Auto<br>coupling<br>V | Weight<br>(kg) |
| 1                       | FKc 150.14-4/270 | 820      | 608 | 370 | 468 | 209 | 1273 | 170 | 125 | 260 | 533 | 450 | 1024 | 310  | 470 | 605 | 878 | 271 | 440 | 500 | 250 | 620 | 350 | 410 | 120 | 160 | 18 | 902      | 1012     | 310 | 370 | 18 | 150N                  | 218            |
| 2                       | FKc 150.19-4/280 | 1100     | 690 | 420 | 548 | 241 | 1355 | 167 | 174 | 260 | 447 | 600 | 1106 | 250  | 470 | 605 | 878 | 271 | 440 | 500 | 310 | 730 | 350 | 450 | 90  | 140 | 20 | 1125     | 1225     | 360 | 420 | 20 | 150N                  | 320            |
| 3                       | FKc 150.26-4/300 | 864      | 755 | 455 | 596 | 264 | 1429 | 755 | 455 | 596 | 585 | 264 | 1429 | 1123 | 310 | 470 | 610 | 883 | 271 | 440 | 500 | 765 | 350 | 450 | 90  | 140 | 20 | 1125     | 1135     | 360 | 420 | 20 | 150N                  | 410            |
| 4                       | FKc 150.30-4/310 | 1062     | 755 | 455 | 596 | 264 | 1429 | 755 | 455 | 596 | 585 | 264 | 1429 | 1123 | 310 | 470 | 610 | 883 | 271 | 440 | 500 | 765 | 350 | 450 | 90  | 140 | 20 | 1125     | 1135     | 360 | 420 | 20 | 150N                  | 420            |
| 5                       | FKc 150.34-4/320 | 1062     | 755 | 455 | 596 | 264 | 1429 | 755 | 455 | 596 | 585 | 264 | 1429 | 1123 | 310 | 470 | 610 | 883 | 271 | 440 | 500 | 765 | 350 | 450 | 90  | 140 | 20 | 1125     | 1135     | 360 | 420 | 20 | 150N                  | 430            |
| 6                       | FKc 150.45-4/335 | 1208     | 755 | 455 | 596 | 264 | 1429 | 165 | 174 | 312 | 585 | 600 | 1173 | 1123 | 310 | 500 | 640 | 913 | 283 | 560 | 650 | 760 | 450 | 550 | 120 | 160 | 23 | 1144     | 1254     | 360 | 420 | 23 | 150N                  | 560            |
| 7                       | FKc 150.52-4/355 | 1208     | 755 | 455 | 596 | 264 | 1429 | 165 | 174 | 312 | 585 | 600 | 1173 | 1123 | 310 | 500 | 640 | 913 | 283 | 560 | 650 | 760 | 450 | 550 | 120 | 160 | 23 | 1144     | 1254     | 360 | 420 | 23 | 150N                  | 615            |

\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



# FKc 200-6

## PERFORMANCE CURVES



## PERFORMANCE TABLE

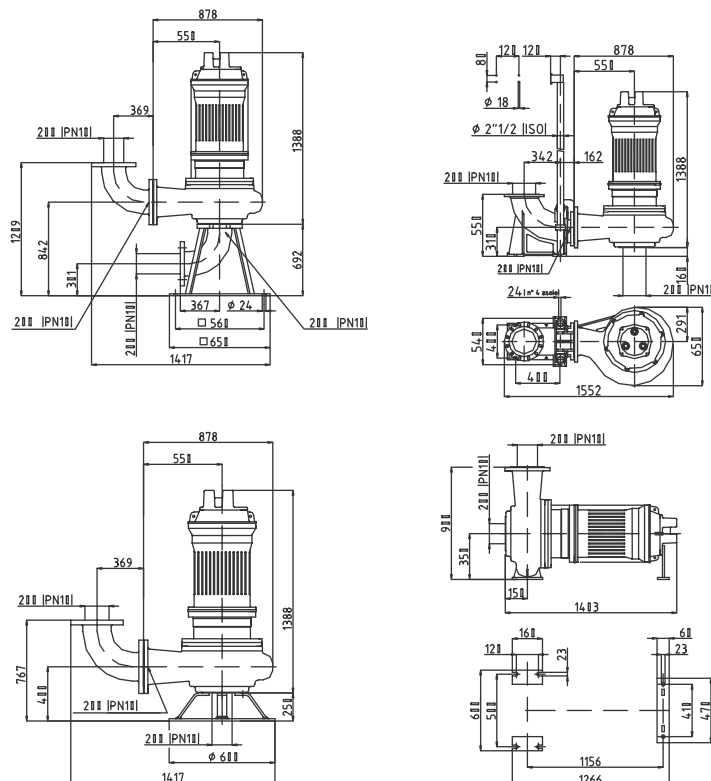
| No | Model - Type        | P1<br>kW | P2<br>kW | Volt | Amp  | rpm | Delivery size<br>(mm) | Max.Solid<br>size (mm) | Auto<br>coupling<br>V | Weight<br>(kg) | I/sec<br>m³/h | 0    | 10   | 40   | 60   | 80   | 100  | 120  | 140  | 160 |
|----|---------------------|----------|----------|------|------|-----|-----------------------|------------------------|-----------------------|----------------|---------------|------|------|------|------|------|------|------|------|-----|
| 1  | FKc 200.17-6/370*#□ | 19.5     | 17       | 400  | 36   | 960 | 200                   | 100                    | 200N                  | 515            | Head<br>in m  | 22.2 | 21.2 | 18.3 | 16.3 | 14.4 | 12.5 | 10.5 | -    | -   |
| 2  | FKc 200.25-6/405*#□ | 29.3     | 25       | 400  | 55.5 | 960 | 200                   | 100                    | 200N                  | 545            |               | 27   | 26.2 | 24   | 22   | 20   | 18   | 15.5 | 13   | -   |
| 3  | FKc 200.34-6/415*#  | 36.9     | 34       | 400  | 67.5 | 960 | 200                   | 100                    | 200N                  | 758            |               | 28.5 | 27.8 | 25.2 | 23.4 | 21.6 | 19.6 | 17   | 14.5 | 12  |

\* Inbuilt with TOP / # Moisture sensor available / □ Dry Pit Model

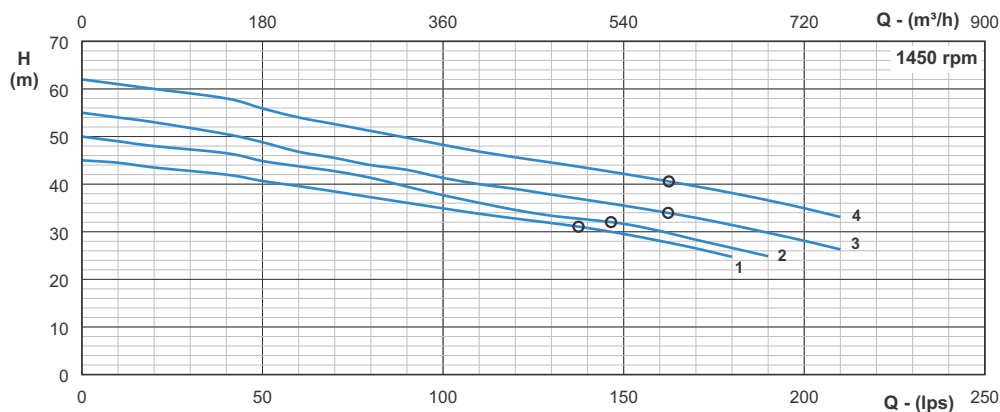
## ACCESSORIES DETAILS & IDENTIFICATION CODE

| No | Model - Type     | Power Cable |               | Control Cable |               | Auto coupling<br>Model | Auto coupling<br>Code | Base Frame<br>Model | Base Frame<br>Code | Pump Outlet flange type<br>(inch) |
|----|------------------|-------------|---------------|---------------|---------------|------------------------|-----------------------|---------------------|--------------------|-----------------------------------|
|    |                  | No. of Core | Size in Sq.mm | No. of Core   | Size in Sq.mm |                        |                       |                     |                    |                                   |
| 1  | FKc 200.17-6/370 | 4           | 10            | 4             | 1.5           | V200/200K              | 173439                | BAP200              | 117187             | ROUND FLANGE 8"                   |
| 2  | FKc 200.25-6/405 | 4           | 10            | 4             | 1.5           | V200/200K              | 173439                | BAP200              | 117187             | ROUND FLANGE 8"                   |
| 3  | FKc 200.34-6/415 | 4           | 10            | 4             | 1.5           | V200/200K              | 173439                | BAP200              | 117187             | ROUND FLANGE 8"                   |

## DIMENSION DRAWING



\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



## PERFORMANCE TABLE

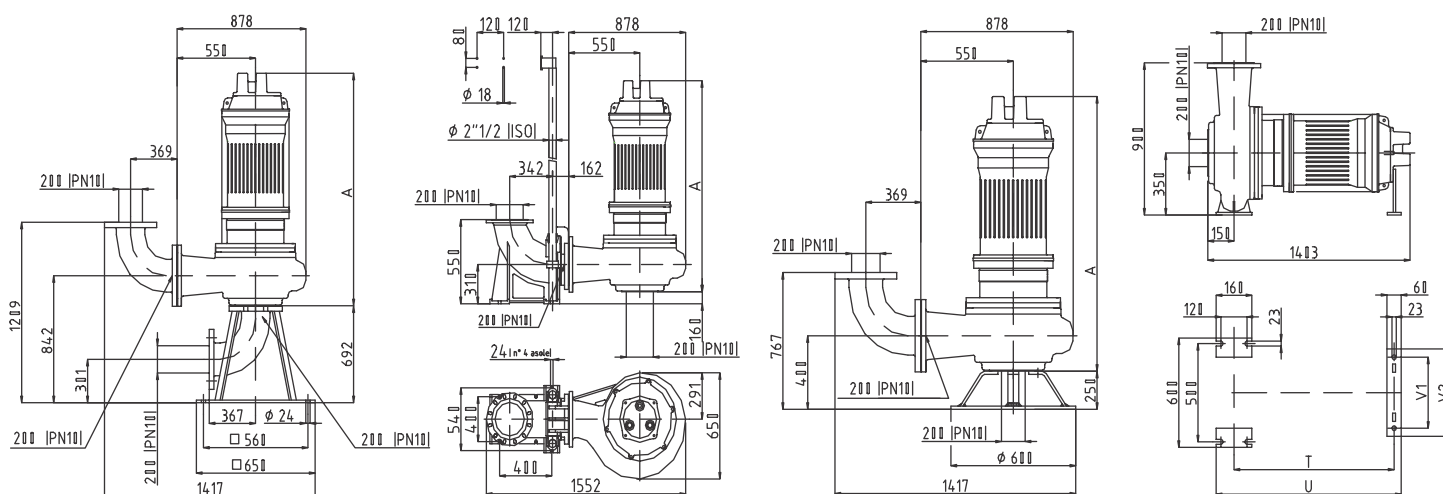
| No | Model - Type        | P1<br>kW | P2<br>kW | Volt | Amp | rpm  | Delivery size<br>(mm) | Max.Solid<br>size (mm) | I/sec<br>m³/h | 0  | 10   | 20   | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 120  | 140  | 160  | 180  | 200  | 210  |     |
|----|---------------------|----------|----------|------|-----|------|-----------------------|------------------------|---------------|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 1  | Fkc 200.68-4/355"#  | 74.7     | 68       | 400  | 130 | 1450 | 200                   | 100                    | Head<br>in m  | 45 | 44.5 | 43.5 | 42   | 40.6 | 39.5 | 38.4 | 37.2 | 36   | 34   | 360  | 432  | 504  | 576  | 648  | 720  | 756 |
| 2  | FKc 200.79-4/370"#  | 85       | 79       | 400  | 141 | 1450 | 200                   | 100                    |               | 50 | 48   | 48   | 46.5 | 44.8 | 43.7 | 42.7 | 41.3 | 39.5 | 37.7 | 34.6 | 32.6 | 30.2 | 26.6 | -    | -    |     |
| 3  | FKc 200.90-4/387"#  | 99       | 90       | 400  | 144 | 1450 | 200                   | 100                    |               | 55 | 53   | 53   | 50.5 | 48.8 | 46.8 | 45.5 | 44   | 43   | 41.3 | 38.9 | 36.6 | 34.3 | 31.4 | 28.1 | 26.3 |     |
| 4  | FKc 200.105-4/405"# | 114      | 105      | 400  | 168 | 1450 | 200                   | 100                    |               | 62 | 60   | 60   | 58   | 55.9 | 54   | 52.6 | 51.2 | 49.8 | 48.3 | 45.6 | 43.4 | 40.9 | 38.1 | 34.9 | 33.1 |     |

\* Inbuilt with TOP / # Moisture sensor available

## DIMENSION & WEIGHT DATA

| No | Model - Type      | A max | R max | T max | U max | V1  | V2  | Auto coupling V | Weight (kg) | Power Cable |               | Control Cable |               | Base Frame Model |
|----|-------------------|-------|-------|-------|-------|-----|-----|-----------------|-------------|-------------|---------------|---------------|---------------|------------------|
|    |                   |       |       |       |       |     |     |                 |             | No. of Core | Size in Sq.mm | No. of Core   | Size in Sq.mm |                  |
| 1  | Fkc 200.68-4/355  | 1158  | 1533  | 1286  | 1396  | 410 | 470 | V200/200K       | 662         | 4           | 25            | 4             | 1.5           | BAP200           |
| 2  | FKc 200.79-4/370  | 1158  | 1533  | 1286  | 1396  | 410 | 470 | V200/200K       | 753         | 4           | 25            | 4             | 1.5           | BAP200           |
| 3  | FKc 200.90-4/387  | 1158  | 1533  | 1286  | 1396  | 410 | 470 | V200/200K       | 930         | 4           | 25            | 4             | 1.5           | BAP200           |
| 4  | FKc 200.105-4/405 | 1158  | 1533  | 1286  | 1396  | 410 | 470 | V200/200K       | 1000        | 4           | 25            | 4             | 1.5           | BAP200           |

### DIMENSION DRAWING

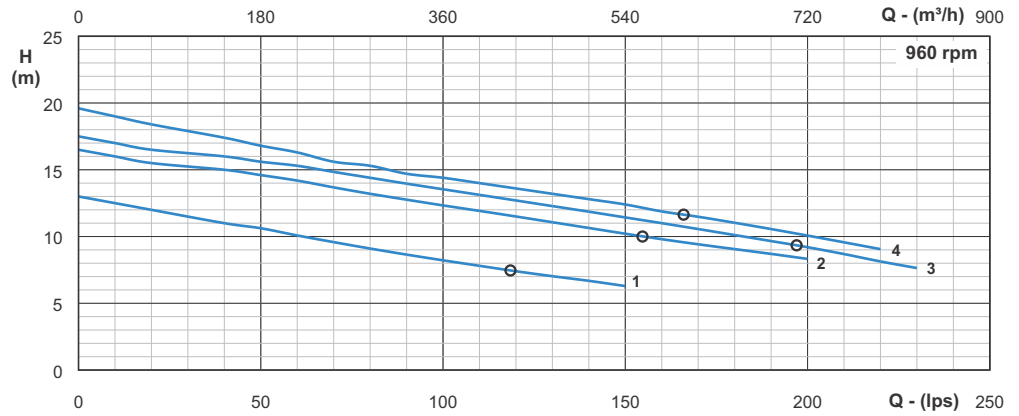


\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



# FKc 250-6

## PERFORMANCE CURVES



### PERFORMANCE TABLE

| No | Model - Type       | P1<br>kW | P2<br>kW | Volt | Amp  | rpm | Delivery size<br>(mm) | Max.Solid size<br>(mm) | l/sec<br>m³/h | 0    | 10   | 20   | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200 | 210 | 220 | 230 |
|----|--------------------|----------|----------|------|------|-----|-----------------------|------------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 1  | FKc 250.17-6/330*# | 19.5     | 17       | 400  | 36.4 | 960 | 250                   | 130                    | Head<br>in m  | 13   | 12.5 | 12   | 11   | 10   | 9.1  | 8.2  | 7.4  | 6.7  | -    | -    | -   | -   | -   | -   |
| 2  | FKc 250.25-6/360*  | 29.3     | 25       | 400  | 55.5 | 960 | 250                   | 130                    |               | 16.5 | 16   | 15.5 | 15   | 14.2 | 13.2 | 12.3 | 11.5 | 10.6 | 9.8  | 9    | 8.3 | -   | -   | -   |
| 3  | FKc 250.33-6/370*# | 36.9     | 33       | 400  | 67.5 | 960 | 250                   | 130                    |               | 17.5 | 17   | 16.5 | 16   | 15.3 | 14.4 | 13.5 | 12.7 | 11.9 | 11   | 10.1 | 9.2 | 8.7 | 8.1 | 7.6 |
| 4  | FKc 250.40-6/380*# | 45       | 40       | 400  | 82   | 960 | 250                   | 130                    |               | 19.6 | 19   | 18.4 | 17.4 | 16.3 | 15.3 | 14.4 | 13.6 | 12.8 | 11.9 | 11   | 10  | 9.6 | 9   | -   |

\* Inbuilt with TOP / # Moisture sensor available

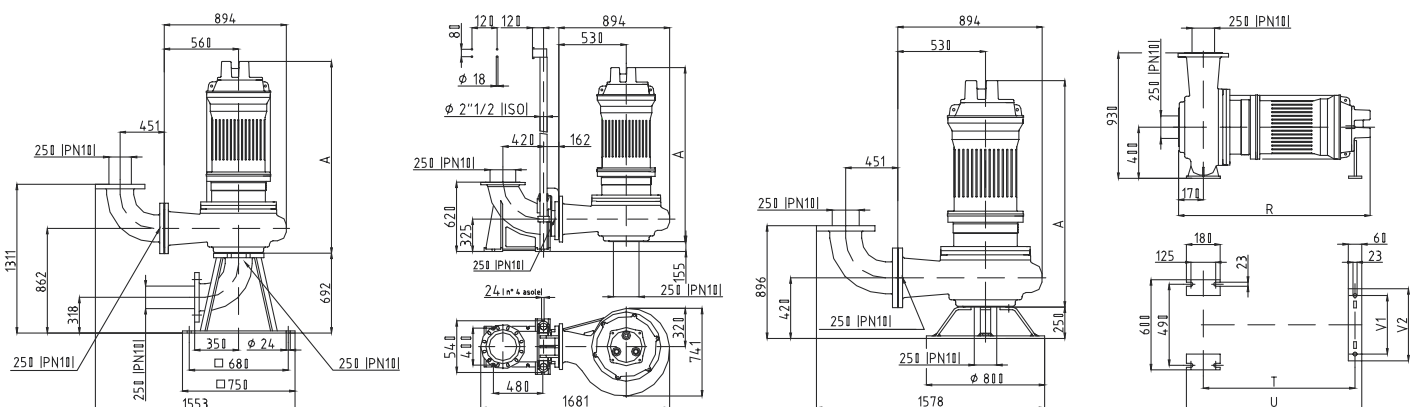
### DIMENSION & WEIGHT DATA

| No | Model - Type     | A<br>max | R<br>max | T<br>max | U<br>max | V1  | V2  | Auto coupling<br>V | Weight<br>(kg) |
|----|------------------|----------|----------|----------|----------|-----|-----|--------------------|----------------|
| 1  | FKc 250.17-6/330 | 1363     | 1375     | 1128     | 1248     | 360 | 420 | 250N               | 552            |
| 2  | FKc 250.25-6/360 | 1363     | 1375     | 1128     | 1248     | 360 | 420 | 250N               | 617            |
| 3  | FKc 250.33-6/370 | 1584     | 1563     | 1296     | 1416     | 410 | 470 | 250N               | 702            |
| 4  | FKc 250.40-6/380 | 1584     | 1563     | 1296     | 1416     | 410 | 470 | 250N               | 735            |

### ACCESSORIES DETAILS & IDENTIFICATION CODE

| No | Model - Type     | Power Cable |               | Control Cable |               | Auto coupling<br>Model | Auto coupling<br>Code | Base Frame<br>Model | Base Frame<br>Code | Pump Outlet flange type<br>(inch) |
|----|------------------|-------------|---------------|---------------|---------------|------------------------|-----------------------|---------------------|--------------------|-----------------------------------|
|    |                  | No. of Core | Size in Sq.mm | No. of Core   | Size in Sq.mm |                        |                       |                     |                    |                                   |
| 1  | FKc 250.17-6/330 | 4           | 10            | 4             | 1.5           | V250/250K              | 173442                | BAP250              | 117209             | ROUND FLANGE 10"                  |
| 2  | FKc 250.25-6/360 | 4           | 10            | 4             | 1.5           | V250/250K              | 173442                | BAP250              | 117209             | ROUND FLANGE 10"                  |
| 3  | FKc 250.33-6/370 | 4           | 10            | 4             | 1.5           | V250/250K              | 173442                | BAP250              | 117209             | ROUND FLANGE 10"                  |
| 4  | FKc 250.40-6/380 | 4           | 10            | 4             | 1.5           | V250/250K              | 173442                | BAP250              | 117209             | ROUND FLANGE 10"                  |

### DIMENSION DRAWING



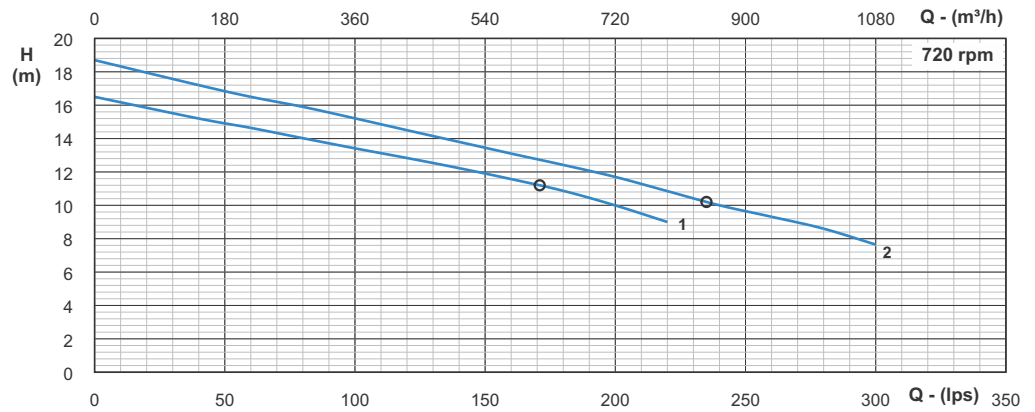
Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade - 2B.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



# FKc 300-8

## PERFORMANCE CURVES



### PERFORMANCE TABLE

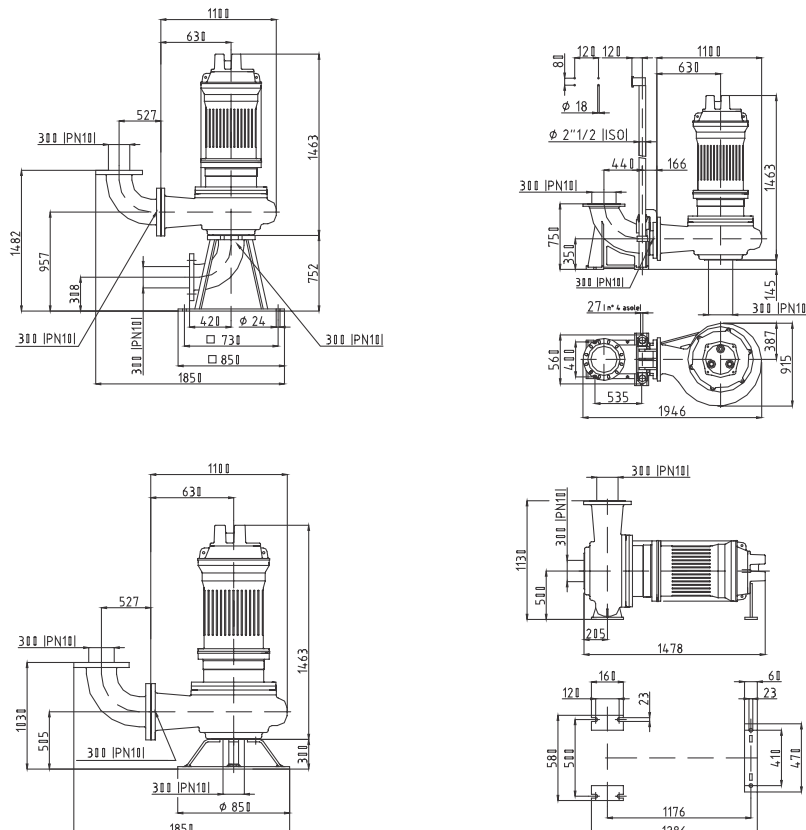
| No | Model - Type       | P1<br>kW | P2<br>kW | Volt | Amp | rpm | Delivery<br>size<br>(mm) | Max.Solid<br>size<br>(mm) | Auto<br>coupling<br>V | Weight<br>(kg) | I/sec<br>m³/h | 0    | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  | 220  | 240 | 260 | 280 | 300 |
|----|--------------------|----------|----------|------|-----|-----|--------------------------|---------------------------|-----------------------|----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 1  | FKc 300.25-8/465*# | 28       | 25       | 400  | 55  | 720 | 300                      | 150                       | 300N                  | 895            | Head          | 16.5 | 15.2 | 14.6 | 14   | 13.4 | 12.8 | 12.2 | 11.6 | 10.9 | 10   | 9    | -   | -   | -   | -   |
| 2  | FKc 300.31-8/475*# | 35       | 31       | 400  | 67  | 720 | 300                      | 150                       | 300N                  | 918            | in m          | 18.7 | 17.2 | 16.5 | 15.9 | 15.2 | 14.5 | 13.8 | 13.1 | 12.4 | 11.7 | 10.8 | 10  | 9.3 | 8.6 | 7.6 |

\* Inbuilt with TOP / # Moisture sensor available.

### ACCESSORIES DETAILS & IDENTIFICATION CODE

| No | Model - Type     | Power Cable |               | Control Cable |               | Auto coupling<br>Model | Auto coupling<br>Code |
|----|------------------|-------------|---------------|---------------|---------------|------------------------|-----------------------|
|    |                  | No. of Core | Size in Sq.mm | No. of Core   | Size in Sq.mm |                        |                       |
| 1  | FKc 300.25-8/465 | 4           | 10            | 4             | 1.5           | V300/300K              | 173445                |
| 2  | FKc 300.31-8/475 | 4           | 10            | 4             | 1.5           | V300/300K              | 173445                |

### DIMENSION DRAWING



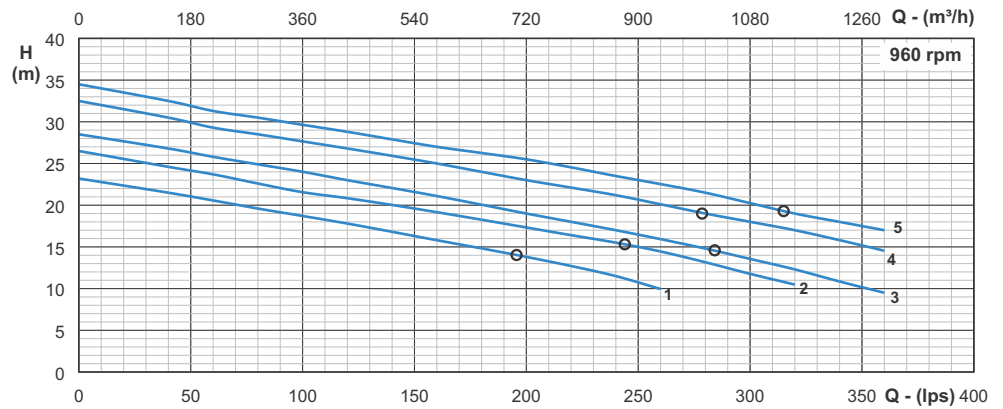
Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade - 2B.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



# FKc 300-6

## PERFORMANCE CURVES



### PERFORMANCE TABLE

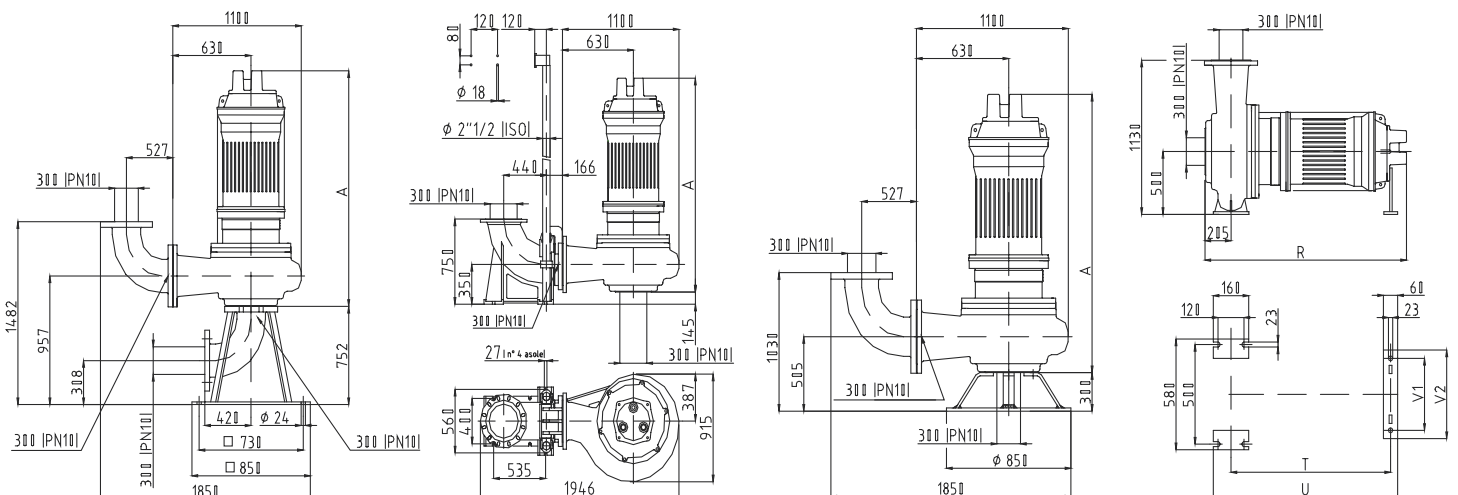
| No | Model - Type       | P1<br>kW | P2<br>kW | Volt | Amp | rpm | Delivery size<br>(mm) | Max.Solid<br>size (mm) | l/sec<br>m³/h | Head<br>in m | 0    | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  | 220  | 240  | 260  | 280  | 300  | 320  | 340 | 360 |
|----|--------------------|----------|----------|------|-----|-----|-----------------------|------------------------|---------------|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| 1  | FKc 300.40-6/417*# | 45       | 40       | 400  | 82  | 960 | 300                   | 150                    | 23.2          | 21.5         | 20.6 | 19.6 | 18.7 | 17.8 | 16.8 | 15.8 | 14.8 | 13.8 | 12.7 | 11.5 | 10   | -    | -    | -    | -    | -    | -   | -   |
| 2  | FKc 300.50-6/445*# | 55       | 50       | 400  | 100 | 960 | 300                   | 150                    | 26.5          | 24.6         | 23.7 | 22.6 | 21.6 | 20.8 | 20   | 19.2 | 18.3 | 17.3 | 16.4 | 15.5 | 14.5 | 13.2 | 11.8 | 10.5 | -    | -    | -   | -   |
| 3  | FKc 300.58-6/455*# | 64       | 58       | 400  | 118 | 960 | 300                   | 150                    | 28.5          | 26.8         | 25.8 | 24.9 | 24   | 23.0 | 22.1 | 21.1 | 20.1 | 19   | 18   | 17   | 15.9 | 14.8 | 13.6 | 12.3 | 10.9 | 9.5  | -   | -   |
| 4  | FKc 300.69-6/470*# | 75       | 69       | 400  | 138 | 960 | 300                   | 150                    | 32.5          | 30.5         | 29.3 | 28.5 | 27.6 | 26.8 | 25.9 | 25   | 24   | 23   | 22.1 | 21.2 | 20.1 | 19   | 18   | 17   | 15.9 | 14.6 | -   | -   |
| 5  | FKc 300.82-6/475*# | 90       | 82       | 400  | 166 | 960 | 300                   | 150                    | 34.5          | 32.5         | 31.3 | 30.5 | 29.6 | 28.8 | 27.9 | 27   | 26.3 | 25.5 | 24.5 | 23.5 | 22.5 | 21.5 | 20.3 | 19   | 18   | 17   | -   | -   |

\* Inbuilt with TOP / # Moisture sensor available / □ Dry Pit Model

### DIMENSION & WEIGHT DATA

| No | Model            | A<br>max | R<br>max | T<br>max | U<br>max | V1  | V2  | Auto coupling<br>V | Weight<br>(kg) | Power Cable |               | Control Cable |               |
|----|------------------|----------|----------|----------|----------|-----|-----|--------------------|----------------|-------------|---------------|---------------|---------------|
|    |                  |          |          |          |          |     |     |                    |                | No. of Core | Size in Sq.mm | No. of Core   | Size in Sq.mm |
| 1  | FKc 300.40-6/417 | 1593     | 1608     | 1306     | 1416     | 410 | 470 | V300/300K          | 910            | 4           | 10            | 4             | 1.5           |
| 2  | FKc 300.50-6/445 | 1593     | 1608     | 1306     | 1416     | 410 | 470 | V300/300K          | 975            | 4           | 16            | 4             | 1.5           |
| 3  | FKc 300.58-6/455 | 1593     | 1608     | 1306     | 1416     | 410 | 470 | V300/300K          | 1040           | 4           | 16            | 4             | 1.5           |
| 4  | FKc 300.69-6/470 | 1773     | 1788     | 1486     | 1596     | 508 | 568 | V300/300K          | 1125           | 4           | 16            | 4             | 1.5           |
| 5  | FKc 300.82-6/475 | 1773     | 1788     | 1486     | 1596     | 508 | 568 | V300/300K          | 1198           | 4           | 25            | 4             | 1.5           |

### DIMENSION DRAWING



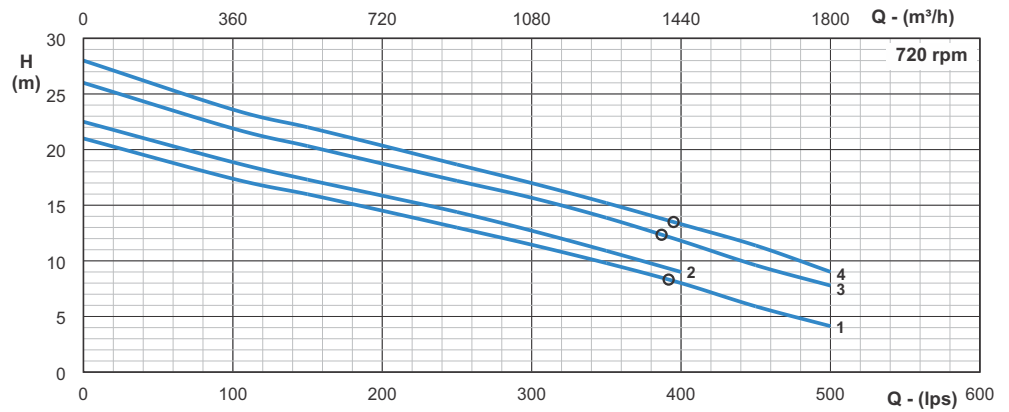
Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade - 2B.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



# FKc 400-8

## PERFORMANCE CURVES



### PERFORMANCE TABLE

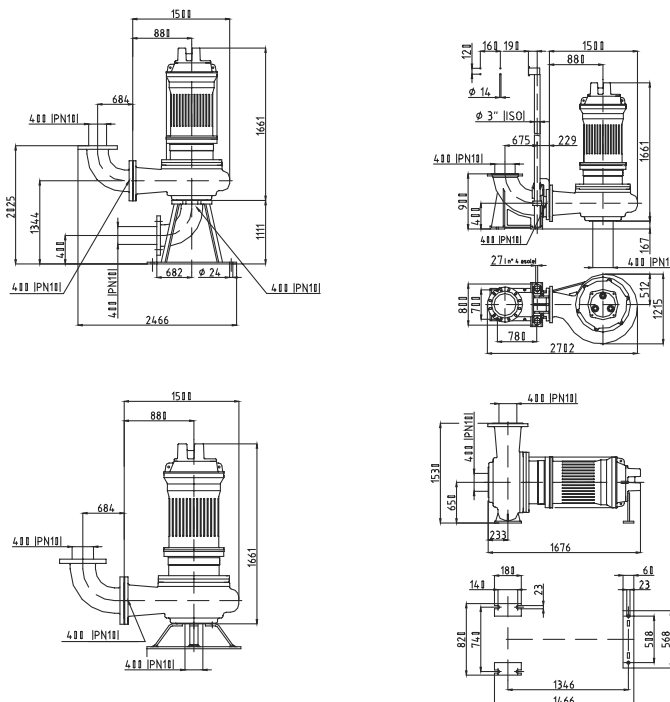
| No | Model - Type        | P1 kW | P2 kW | Volt | Amp | rpm | Delivery size (mm) | Max. Solid size (mm) | Auto coupling V | Weight (kg) | I/sec m³/h | 0    | 100  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500 |
|----|---------------------|-------|-------|------|-----|-----|--------------------|----------------------|-----------------|-------------|------------|------|------|------|------|------|------|------|------|------|-----|
| 1  | FKc 400.45-8/510*#□ | 50    | 45    | 400  | 94  | 720 | 400                | 165                  | 400N            | 1560        | Head in m  | 21   | 17.4 | 16   | 14.5 | 13   | 11.5 | 9.8  | 8    | 5.9  | 4.1 |
| 2  | FKc 400.53-8/520*#  | 58    | 53    | 400  | 110 | 720 | 400                | 165                  | 400N            | 1590        |            | 22.5 | 18.9 | 17.3 | 15.9 | 14.4 | 12.7 | 10.9 | 9    | -    | -   |
| 3  | FKc 400.63-8/540*#  | 70    | 63    | 400  | 130 | 720 | 400                | 165                  | 400N            | 1630        |            | 26   | 21.9 | 20.3 | 18.7 | 17.2 | 15.7 | 13.9 | 11.8 | 9.6  | 7.8 |
| 4  | FKc 400.72-8/550*#□ | 79    | 72    | 400  | 148 | 720 | 400                | 165                  | 400N            | 1670        |            | 28   | 23.6 | 22   | 20.4 | 18.7 | 17   | 15.2 | 13.3 | 11.4 | 9   |

\* Inbuilt with TOP / # Moisture sensor available / □ Dry Pit Model

### ACCESSORIES DETAILS & IDENTIFICATION CODE

| No | Model - Type     | Power Cable |               | Control Cable |               | Auto coupling Model | Auto coupling Code |
|----|------------------|-------------|---------------|---------------|---------------|---------------------|--------------------|
|    |                  | No. of Core | Size in Sq.mm | No. of Core   | Size in Sq.mm |                     |                    |
| 1  | FKc 400.45-8/510 | 4           | 25            | 4             | 1.5           | V400/400K           | 173443             |
| 2  | FKc 400.53-8/520 | 4           | 25            | 4             | 1.5           | V400/400K           | 173443             |
| 3  | FKc 400.63-8/540 | 4           | 25            | 4             | 1.5           | V400/400K           | 173443             |
| 4  | FKc 400.72-8/550 | 4           | 25            | 4             | 1.5           | V400/400K           | 173443             |

### DIMENSION DRAWING

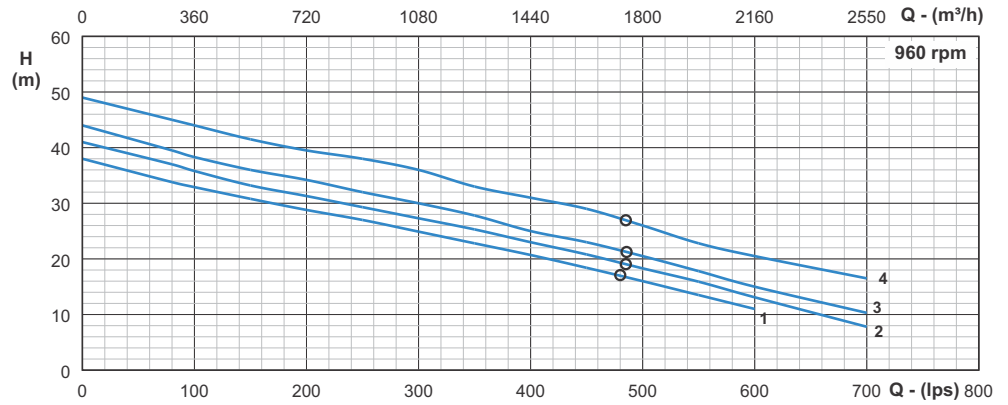


Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade - 2B.  
In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



# FKc 400-6

## PERFORMANCE CURVES



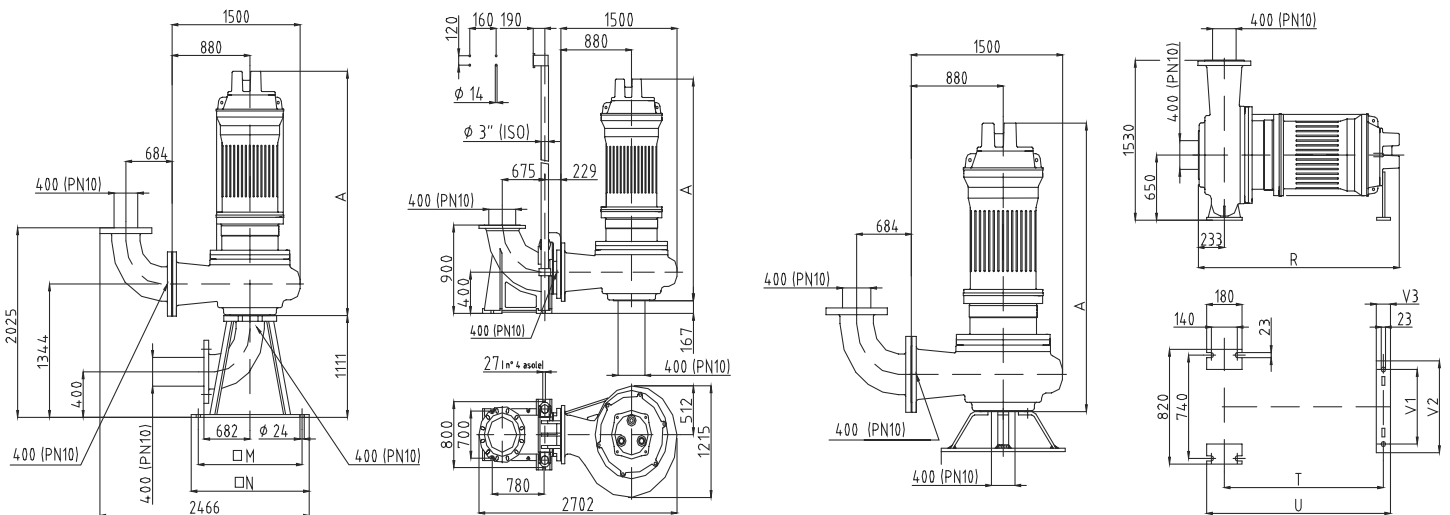
### PERFORMANCE TABLE

| No | Model - Type      | P1<br>kW | P2<br>kW | Volt | Amp | Giri<br>rpm | DN  | Ø<br>mm | l/sec<br>m³/h | 0  | 80   | 100  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 550  | 600  | 700  |
|----|-------------------|----------|----------|------|-----|-------------|-----|---------|---------------|----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1  | FKc 400.112-6/510 | 123      | 112      | 400  | 227 | 960         | 400 | 165     | H<br>m        | 38 | 33.8 | 32.9 | 30.8 | 28.8 | 27   | 24.9 | 22.8 | 20.7 | 18.4 | 16   | 13.5 | 11   | -    |
| 2  | FKc 400.132-6/520 | 141      | 132      | 400  | 241 | 960         | 400 | 165     |               | 41 | 37   | 35.8 | 33.2 | 31.3 | 29.3 | 27.3 | 25.3 | 23   | 20.8 | 18.3 | 15.9 | 13.1 | 7.8  |
| 3  | FKc 400.160-6/530 | 169      | 160      | 400  | 287 | 960         | 400 | 165     |               | 44 | 39.5 | 38.3 | 36   | 34.2 | 32   | 30   | 27.8 | 25   | 23   | 20.5 | 17.8 | 15   | 10.3 |
| 4  | FKc 400.185-6/550 | 195      | 185      | 400  | 337 | 960         | 400 | 165     |               | 49 | 45   | 44   | 41.5 | 39.5 | 38   | 36   | 33   | 31   | 29   | 26   | 22.8 | 20.5 | 16.5 |

### DIMENSION & WEIGHT DATA

| No | Model - Type      | A<br>max | R<br>max | T<br>max | U<br>max | V1  | V2  | Auto<br>Coupling V | KG   | Power Cable |               | Control Cable |               |
|----|-------------------|----------|----------|----------|----------|-----|-----|--------------------|------|-------------|---------------|---------------|---------------|
|    |                   |          |          |          |          |     |     |                    |      | No. of Core | Size in Sq.mm | No. of Core   | Size in Sq.mm |
| 1  | FKc 400.112-6/510 | 1811     | 1826     | 1496     | 1616     | 508 | 568 | V400/400K          | 1710 | 4           | 25            | 4             | 1.5           |
| 2  | FKc 400.132-6/520 | 2674     | 2073     | 1801     | 1941     | 740 | 800 | V400/400K          | 2230 | 4           | 25            | 4             | 1.5           |
| 3  | FKc 400.160-6/530 | 2674     | 2073     | 1801     | 1941     | 740 | 800 | V400/400K          | 2260 | 4           | 25            | 4             | 1.5           |
| 4  | FKc 400.185-6/550 | 2894     | 2293     | 2021     | 2161     | 740 | 800 | V400/400K          | 2465 | 4           | 25            | 4             | 1.5           |

### DIMENSION DRAWING



Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade - 2B.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.