



Cast Iron Submersible Pumps - 50Hz

An ISO 9001 Company

C O N T E N T S

| | |
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Cast Iron Submersible Pumps

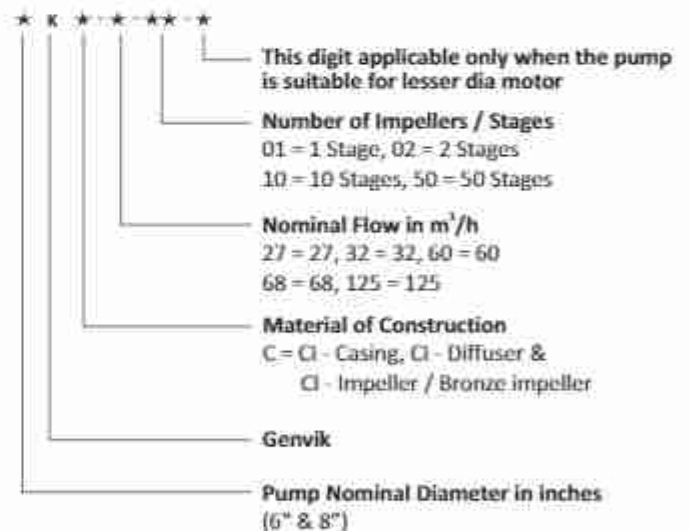
DESCRIPTION

Genvik Cast Iron Submersible pumps are designed and developed employing latest engineering softwares, sophisticated machinery and state of art technology to deliver the best possible hydraulic efficiency. The most modern quality assurance systems used at every stage of the production and flawless workmanship ensure sustained and consistent operation.

These cast iron submersible pumps are multistage single suction centrifugal type and provided with integral check valve and NEMA standard coupling. These pumps are available with impellers made of bronze, diffusers made up of cast iron and the shaft is made of AISI 410/431. The integral check valve prevents back flow, up thrust and reduces the risk of water hammer which paves the way for trouble free performance. The screen is designed with utmost care so as not to reduce the inflow of water and at the same time to prevent damage to the pump and clogging due to the entry of sand and other foreign particles.



MODEL IDENTIFICATION



FEATURES

| |
|---|
| Highly efficient |
| Wide head and flow range with numerous models |
| Good sand resistance capacity |
| Integral check valve |
| Low wear and tear, perfectly and aesthetically designed |
| Easily serviceable |

APPLICATIONS

| |
|---|
| Public water supply |
| Fountains |
| Irrigation |
| Pressure boosting systems |
| Industrial & Private water supply systems |
| Air-conditioning equipments |
| Sprinkler systems and Mining |
| Farming, Water plants, Laboratories |

GENERAL INFORMATION

PUMPED LIQUIDS

Clean, thin non aggressive, non explosive, pure, cold, fresh water without abrasives solid particles or fibre having the following characteristics

| | |
|----------------------------|--|
| pH | 6.5 to 8.5 |
| Turbidity | 50 ppm silica scale (max.) |
| Viscosity | $1.75 \times 10^3 \text{ m}^2 / \text{sec}$ (max.) |
| Hardness (Drinking Water) | 300 (max.) |
| Specific gravity | 1.004 (max.) |
| Allowable solids | 3000 ppm (max.) |
| Chlorine ion density | 500 ppm (max.) |
| Permissible amount of sand | 50g / m ³ (max.) |
| Temperature | 38°C (max.) |

PUMP OPERATING LIMITATIONS - KC SERIES

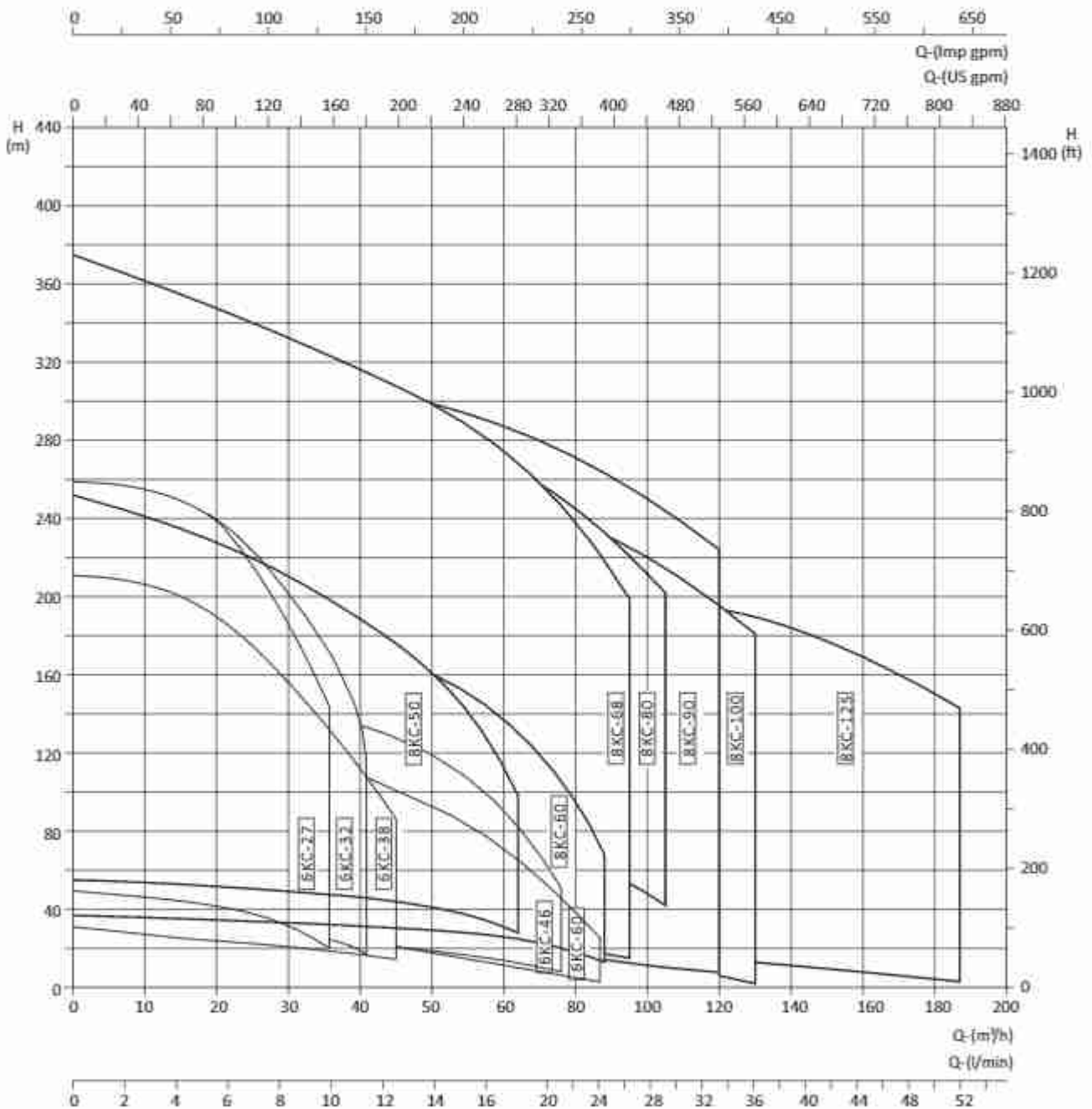
| Nominal Diameter | 6" | 8" |
|--------------------------------|---------------------|--------------------|
| Power Range | 3.7kW-26kW | 5.5kW-93kW |
| Speed | 2900 rpm | 2900 rpm |
| Flow Range (lpm) | 150 - 1383.3 | 19.7 - 3116.7 |
| Flow Range (m ³ /h) | 9 - 83 | 11.5 - 187 |
| Max. Recommended Head (ft) | 6.5 - 902 | 6.5 - 1214 |
| Max. Recommended Head (m) | 2 - 272 | 2 - 375 |
| Delivery size in mm | 80 & 100 | 80, 100, 125 & 150 |
| Max. Operating Pressure | 2.75 Mpa (27.5 bar) | 3.7 Mpa (37 bar) |
| Horizontal Installation | Min. 30° angle | Min. 30° angle |

PERFORMANCE CURVES CONDITIONS

- The performance curves show pump performance of the pump at rated speed and voltage. (2900 rpm)
- The measurements were made with airless water at 20°C. For pumping liquids with a density higher than that of water, motors with correspondingly higher outputs must be used.
- Pipe friction losses have not been included in the performance curves and performance data.
- The bold curves indicate the recommended performance range.
- The head and discharge are inclusive of check valve and suction inter-connector losses at the actual speed.
- Efficiency curve : ("EFF%") shows pump stage efficiency.
- Curve tolerance according to ISO : 9906, Grade 3B.
- The performance are at rated voltage and only indicative. Actual discharge depends on availability of water in well, based on strength of water source, height of water column, submergence of pump, etc.,
- The given performance are for a specific materials of construction of pumps.

The Given details / drawings / specifications are subject to change without prior notice.

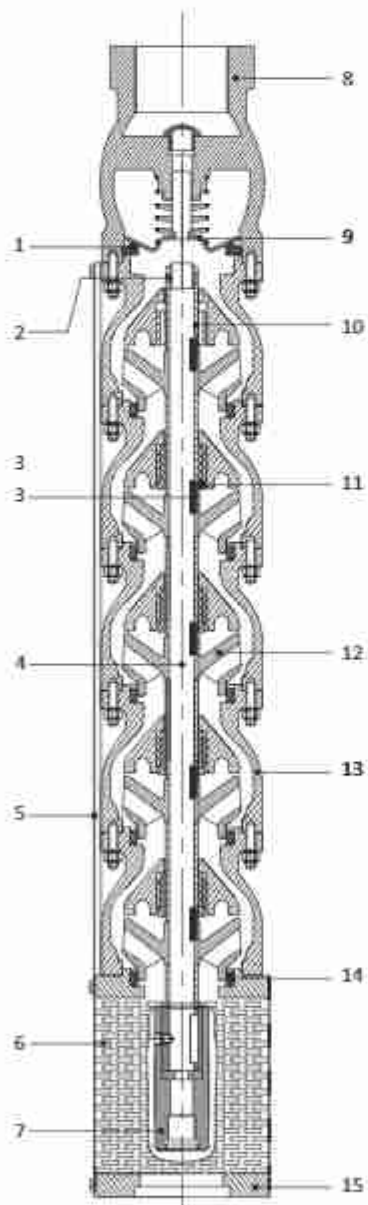
Group Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

SEMI AXIAL FLOW PUMP

27 / 32 / 38 / 46 / 60 m³/h

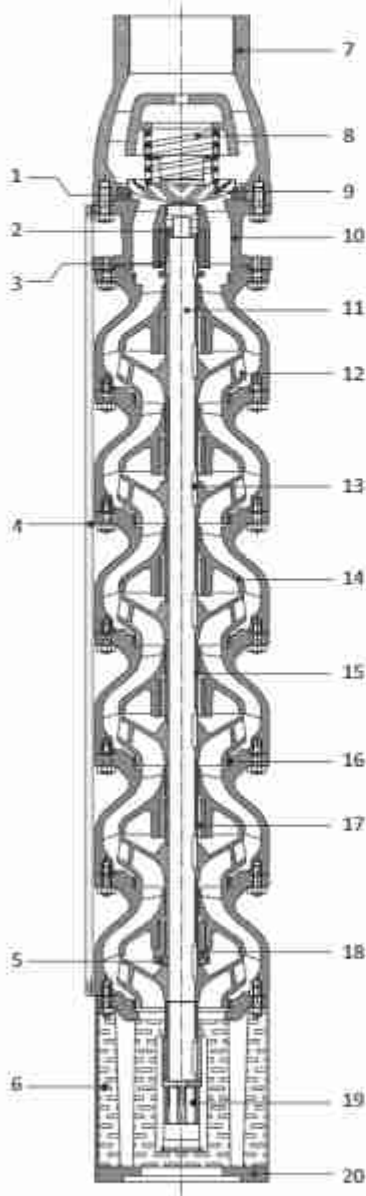


| Sl. No. | Components | MOC |
|---------|-------------------------|------------------|
| 1 | Valve Seat NBR | NBR |
| 2 | Locking Nut | AISI 304 |
| 3 | Key | AISI 304 |
| 4 | Pump Shaft | AISI 410 / 431 |
| 5 | Cable Guard | AISI 304 |
| 6 | Suction Screen | AISI 304 |
| 7 | Coupling | AISI 329 |
| 8 | Valve Housing | Cast Iron |
| 9 | Valve | AISI 304 |
| 10 | Stage Sleeve | AISI 304 |
| 11 | Shaft Bearing | NBR / Bronze |
| 12 | Impeller | Zinc Free Bronze |
| 13 | Diffuser Casing | Cast Iron |
| 14 | Impeller Seal Ring | NBR |
| 15 | Suction Inter Connector | Cast Iron |

The Given details / drawings / specifications are subject to change without prior notice.

SEMI AXIAL FLOW PUMP

50 / 60 / 68 / 80 / 90 / 100 / 125 m³/h



| Sl. No. | Components | MOC |
|---------|------------------------|--------------------------|
| 1 | Valve Seat | NBR |
| 2 | Locking Nut | AISI 304 |
| 3 | Top Bearing | Bronze |
| 4 | Cable Guard | AISI 304 |
| 5 | Counter Thrust Washer | AISI 304 |
| 6 | Suction Screen | AISI 304 |
| 7 | Valve Housing | Cast Iron |
| 8 | Valve Spring | AISI 304 |
| 9 | Valve | AISI 304 |
| 10 | Top Bearing Bracket | Cast Iron |
| 11 | Pump Shaft | AISI 431 |
| 12 | Impeller | Zinc Free Bronze / LTB-2 |
| 13 | Shaft Key | AISI 304 |
| 14 | Diffuser | Cast Iron |
| 15 | Shaft Sleeve | AISI 304 |
| 16 | Impeller Seal Ring | NBR / AISI 304 |
| 17 | Shaft Bearing | NBR / Bronze |
| 18 | Counter Thrust Bearing | Bronze |
| 19 | Coupling | AISI 329 |
| 20 | Suction Interconnector | Cast Iron |

CAST IRON PUMPS

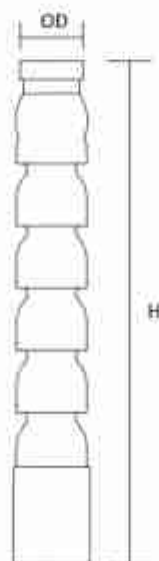
| | |
|--------------|----------------------|
| Nominal Flow | 27 m ³ /h |
| Model | 6KC-27 |
| Outlet Size | 2½" / 3" |

6" Performance Data

| Model | Dimensions | | Power | | lpm | TOTAL DYNAMIC HEAD IN METRES | | | | | | | | | | | | | |
|-----------|-------------|---------------|-------|------|-----|------------------------------|-------|-----|-------|-------|-------|-----|-------|-------|-----|--|--|--|--|
| | Height (mm) | Nett.Wt. (kg) | kW | HP | | 0 | 133.3 | 200 | 266.7 | 333.3 | 400.0 | 450 | 466.7 | 533.3 | 600 | | | | |
| 6KC-27-05 | 806 | 32.60 | 3.7 | 5.0 | 0 | 8 | 12 | 16 | 20 | 24 | 27 | 28 | 32 | 36 | | | | | |
| 6KC-27-06 | 896 | 37.30 | 4.5 | 6.0 | 51 | 45 | 42 | 38 | 34 | 30 | 27 | 25 | 20 | 14 | | | | | |
| 6KC-27-07 | 986 | 42.00 | 5.5 | 7.5 | 62 | 54 | 50 | 47 | 42 | 37 | 33 | 31 | 25 | 17 | | | | | |
| 6KC-27-08 | 1076 | 48.00 | 5.5 | 7.5 | 72 | 63 | 59 | 54 | 49 | 43 | 39 | 38 | 29 | 20 | | | | | |
| 6KC-27-10 | 1256 | 56.00 | 7.5 | 10 | 86 | 73 | 68 | 62 | 58 | 52 | 45 | 43 | 34 | 26 | | | | | |
| 6KC-27-12 | 1436 | 62.00 | 9.3 | 12.5 | 104 | 92 | 85 | 78 | 72 | 63 | 57 | 54 | 43 | 31 | | | | | |
| 6KC-27-15 | 1706 | 74.00 | 11 | 15 | 126 | 114 | 107 | 99 | 90 | 82 | 73 | 71 | 59 | 47 | | | | | |
| 6KC-27-17 | 1886 | 83.40 | 13 | 17.5 | 158 | 144 | 133 | 123 | 113 | 101 | 91 | 88 | 72 | 54 | | | | | |
| 6KC-27-20 | 2156 | 100.00 | 15 | 20 | 165 | 154 | 147 | 138 | 128 | 115 | 103 | 100 | 82 | 62 | | | | | |
| 6KC-27-22 | 2336 | 109.40 | 18.5 | 25 | 211 | 189 | 177 | 163 | 149 | 134 | 120 | 117 | 95 | 72 | | | | | |
| 6KC-27-25 | 2606 | 115.00 | 18.5 | 25 | 234 | 212 | 199 | 184 | 168 | 152 | 138 | 132 | 108 | 79 | | | | | |
| | | | | | 262 | 234 | 220 | 204 | 189 | 171 | 155 | 150 | 124 | 96 | | | | | |

Weight (kg) and Height (mm) are approximate.
Outer Dia. (OD) : 144mm

Dimensional Drawing

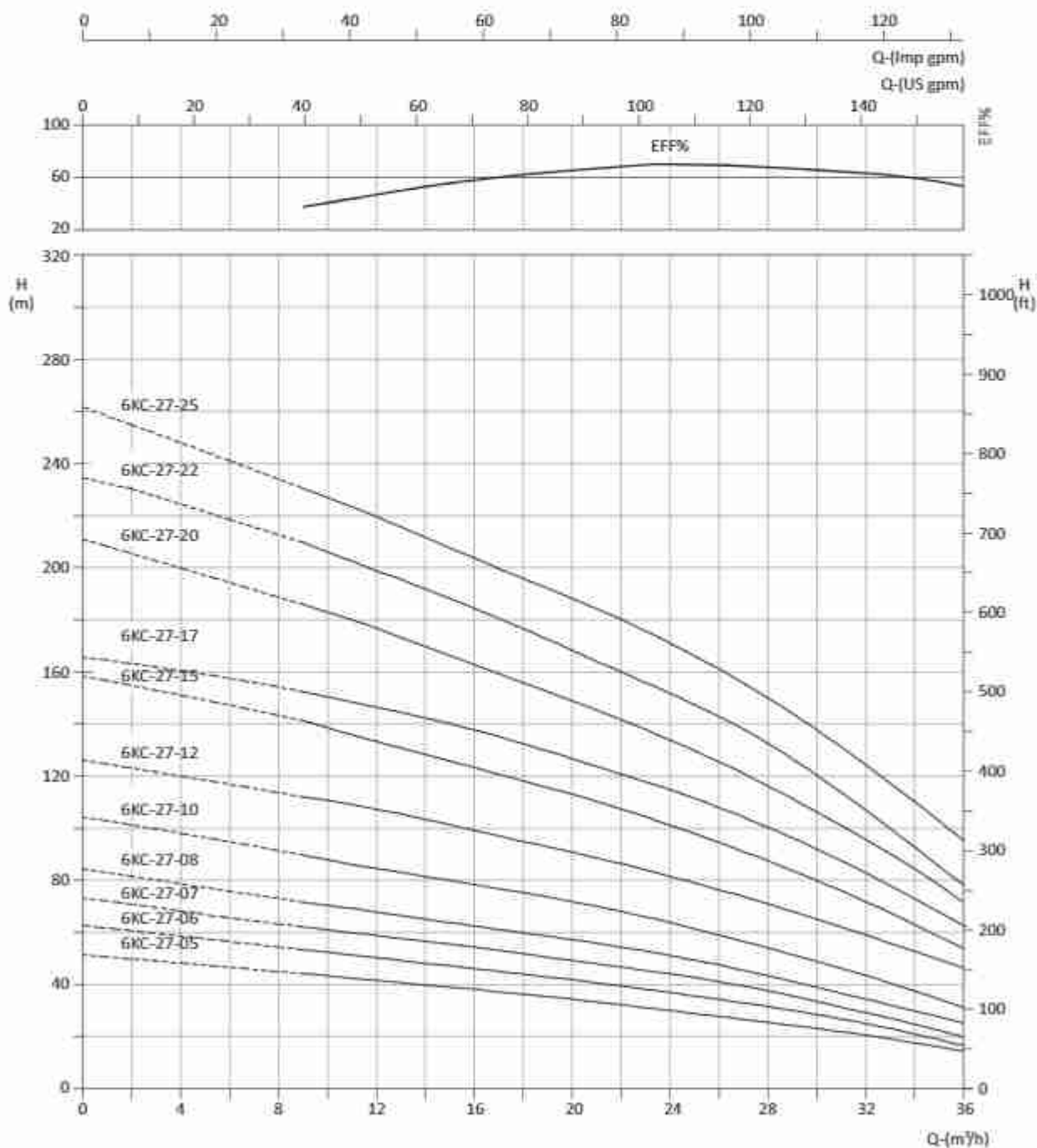


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All Performance data is based on rated input.

KC SERIES

| | |
|--------------|----------------------|
| Nominal Flow | 27 m ³ /h |
| Model | 6KC-27 |
| Outlet Size | 2½" / 3" |

6" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

CAST IRON PUMPS

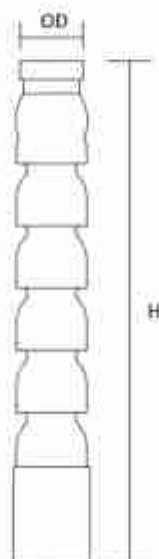
| | |
|--------------|----------------------|
| Nominal Flow | 32 m ³ /h |
| Model | 6KC-32 |
| Outlet Size | 2½" / 3" |

6" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 200.0 | 266.6 | 333.3 | 400.0 | 450 | 466.7 | 600 | 666.6 | 716.4 |
|-----------|-------------|---------------|-------|------|------------------------------|-----|-------|-------|-------|-------|-----|-------|-----|-------|-------|
| | Height (mm) | Nett.Wt. (kg) | kW | HP | | | | | | | | | | | |
| 6KC-32-04 | 716 | 28.40 | 3.7 | 5.0 | m ³ /h | 0 | 12 | 16 | 20 | 24 | 27 | 28 | 36 | 40 | 43 |
| 6KC-32-05 | 806 | 32.60 | 4.5 | 6.0 | TOTAL DYNAMIC HEAD IN METRES | 39 | 38 | 37 | 36 | 32 | 31 | 32 | 23 | 19 | 15 |
| 6KC-32-06 | 896 | 37.30 | 5.5 | 7.5 | | 51 | 49 | 48 | 45 | 41 | 38 | 36.5 | 29 | 22 | 19 |
| 6KC-32-08 | 1076 | 48.00 | 7.5 | 10 | | 58 | 56 | 54 | 51 | 48 | 45 | 44 | 35 | 28 | 25 |
| 6KC-32-10 | 1256 | 56.00 | 9.3 | 12.5 | | 81 | 78 | 76 | 72 | 67 | 63 | 62.5 | 49 | 39 | 32 |
| 6KC-32-12 | 1436 | 62.00 | 11 | 15 | | 100 | 97 | 95 | 90 | 85 | 78 | 76 | 60 | 50 | 40 |
| 6KC-32-14 | 1616 | 68.00 | 13 | 17.5 | | 118 | 112 | 110 | 105 | 100 | 92 | 94 | 73 | 59 | 48 |
| 6KC-32-16 | 1796 | 78.00 | 15 | 20 | | 140 | 134 | 131 | 127 | 120 | 111 | 112 | 85 | 67 | 52 |
| 6KC-32-20 | 2156 | 100.00 | 18.5 | 25 | | 158 | 153 | 147 | 140 | 132 | 123 | 124 | 98 | 80 | 67 |
| 6KC-32-24 | 2516 | 122.00 | 22 | 30 | | 202 | 198 | 190 | 180 | 170 | 157 | 156 | 125 | 105 | 89 |
| 6KC-32-28 | 2876 | 144.00 | 26 | 35 | | 236 | 230 | 218 | 210 | 195 | 180 | 180 | 141 | 119 | 101 |
| | | | | | | 272 | 268 | 253 | 240 | 227 | 210 | 208 | 164 | 138 | 112 |

Weight (kg) and Height (mm) are approximate.
Outer Dia. (OD) : 144mm

Dimensional Drawing

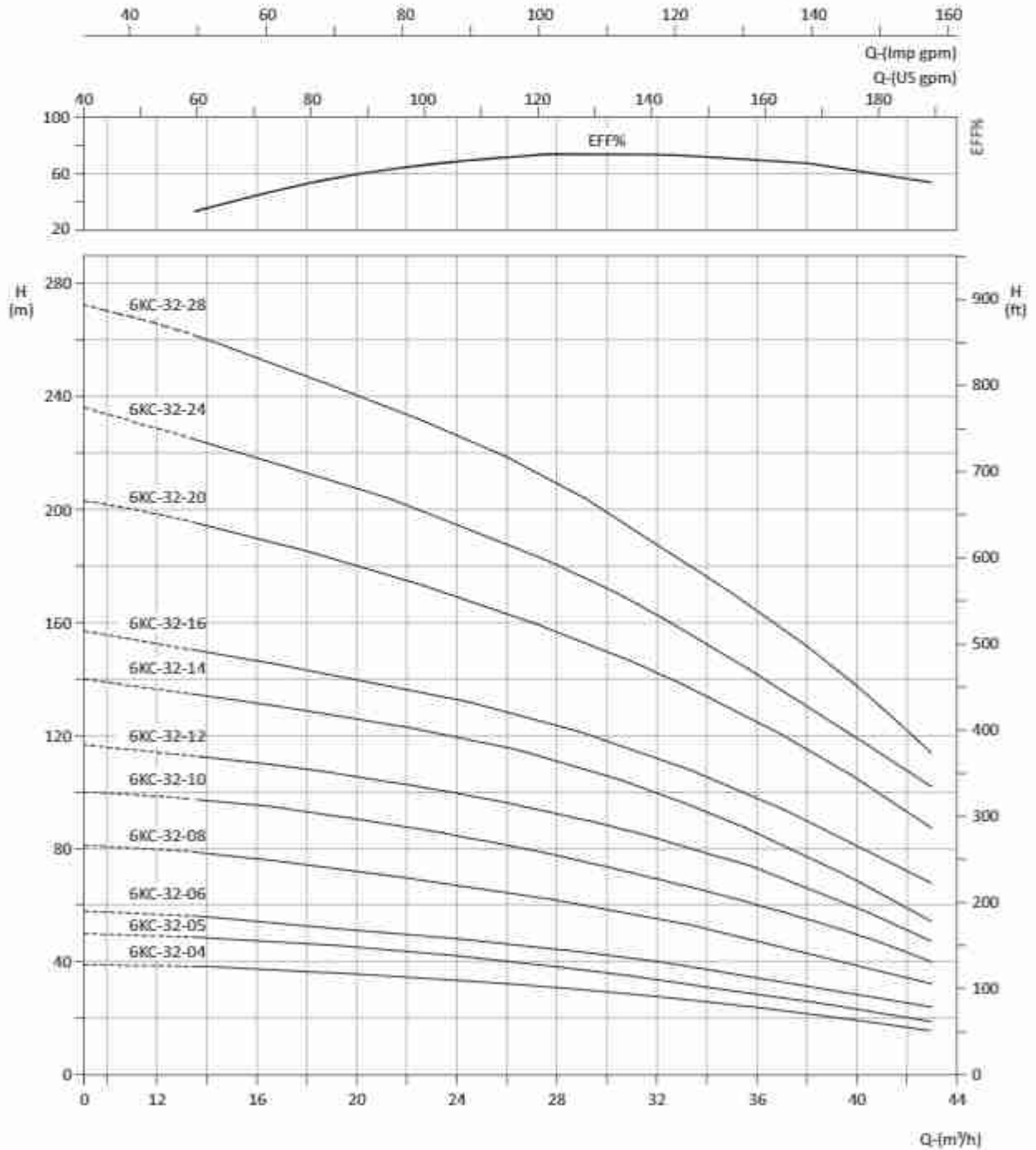


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KC SERIES

| | |
|--------------|----------------------|
| Nominal Flow | 32 m ³ /h |
| Model | 6KC-32 |
| Outlet Size | 2½" / 3" |

6" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

CAST IRON PUMPS

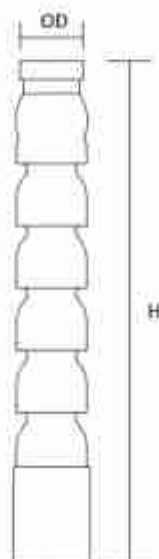
| | |
|--------------|---------------------------|
| Nominal Flow | 38 m³/h |
| Model | 6KC-38 |
| Outlet Size | 3" |

6" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 266.6 | 333.3 | 400.0 | 466.7 | 533.3 | 600.0 | 666.6 | 733.3 |
|-----------|-------------|---------------|-------|------|------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Height (mm) | Nett.Wt. (kg) | kW | HP | | | | | | | | | | |
| 6KC-38-03 | 666 | 31.20 | 3.7 | 5.0 | TOTAL DYNAMIC HEAD IN METRES | 0 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 |
| 6KC-38-04 | 766 | 37.00 | 4.5 | 6.0 | | 32.5 | 31 | 29 | 26.5 | 24 | 21.5 | 18 | 14.5 | 10 |
| 6KC-38-05 | 866 | 42.80 | 5.5 | 7.5 | | 42.5 | 41.5 | 39.8 | 37 | 34 | 30 | 26 | 21.5 | 16.5 |
| 6KC-38-06 | 966 | 48.60 | 7.5 | 10 | | 53.5 | 52 | 50 | 46 | 42 | 37.5 | 32 | 26.5 | 18 |
| 6KC-38-07 | 1066 | 53.00 | 7.5 | 10 | | 65 | 61.5 | 59 | 55.5 | 51 | 45 | 39.5 | 32 | 22 |
| 6KC-38-08 | 1166 | 58.80 | 9.3 | 12.5 | | 77 | 71.5 | 68 | 63 | 58 | 53 | 45.5 | 38 | 25 |
| 6KC-38-10 | 1366 | 70.40 | 11 | 15 | | 86 | 82 | 78 | 73.5 | 67.5 | 61 | 52.5 | 43 | 29 |
| 6KC-38-12 | 1566 | 82.00 | 13 | 17.5 | | 106 | 100.5 | 95.5 | 90 | 83.5 | 75 | 63.5 | 51.5 | 35 |
| 6KC-38-14 | 1766 | 93.60 | 15 | 20 | | 126 | 120 | 114.5 | 103.5 | 101.5 | 92.5 | 81.5 | 64 | 49 |
| 6KC-38-17 | 2066 | 111.00 | 18.5 | 25 | | 147 | 140 | 134 | 126 | 117 | 106 | 94 | 79 | 56 |
| 6KC-38-20 | 2366 | 128.00 | 22 | 30 | | 174 | 164 | 156.5 | 148 | 138.5 | 126 | 113 | 95.5 | 70 |
| | | | | | | 210 | 200 | 190 | 178 | 164 | 148 | 130 | 111 | 85 |

Weight (kg) and Height (mm) are approximate.
Outer Dia. (OD) : 144mm

Dimensional Drawing

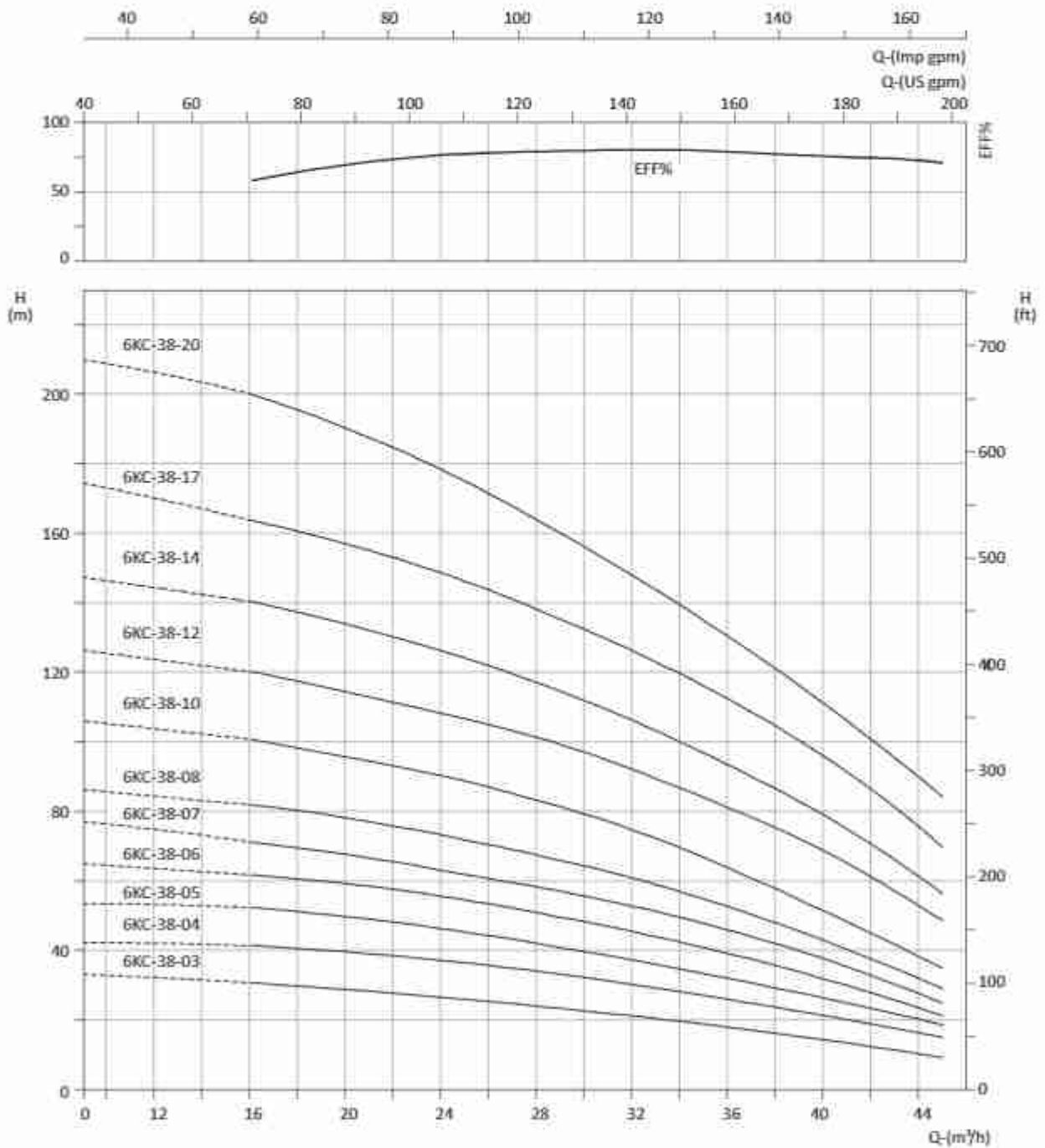


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All Performance data is based on rated input.

KC SERIES

| | |
|--------------|---------------------------|
| Nominal Flow | 38 m³/h |
| Model | 6KC-38 |
| Outlet Size | 3" |

6" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

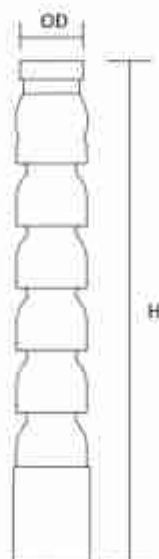
| | |
|--------------|---------------------------|
| Nominal Flow | 46 m³/h |
| Model | 6KC-46 |
| Outlet Size | 3" / 4" |

6" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 333.3 | 500.0 | 666.6 | 833.4 | 1000.0 | 1116.6 |
|-----------|-------------|--------------|-------|------|------------------------------|-----|-------|-------|-------|-------|--------|--------|
| | Height (mm) | Nett.Wt (kg) | kW | HP | | | | | | | | |
| 6KC-46-03 | 698 | 34.50 | 4.5 | 6.0 | TOTAL DYNAMIC HEAD IN METRES | 0 | 25 | 30 | 40 | 50 | 60 | 70 |
| 6KC-46-04 | 808 | 38.50 | 5.5 | 7.5 | | 35 | 29 | 27.5 | 24.8 | 20.5 | 14.8 | 7.5 |
| 6KC-46-05 | 918 | 42.50 | 7.5 | 10 | | 43 | 37 | 36 | 32.5 | 28 | 20 | 11 |
| 6KC-46-06 | 1028 | 47.00 | 9.3 | 12.5 | | 55 | 47 | 46 | 41.5 | 35 | 25.5 | 14 |
| 6KC-46-08 | 1248 | 56.00 | 11 | 15 | | 65 | 58 | 56 | 51.5 | 43.5 | 32.5 | 18 |
| 6KC-46-10 | 1468 | 65.00 | 15 | 20 | | 82 | 73 | 70 | 63.5 | 55 | 42 | 24.5 |
| 6KC-46-12 | 1688 | 74.00 | 18.5 | 25 | | 106 | 97 | 93.5 | 86 | 73.5 | 58.5 | 37 |
| 6KC-46-12 | 1688 | 74.00 | 18.5 | 25 | | 126 | 114 | 111.5 | 103 | 92 | 74 | 48.5 |
| 6KC-46-15 | 2018 | 87.50 | 22 | 30 | | 157 | 144 | 138.5 | 127 | 113.5 | 95 | 71 |

Weight (kg) and Height H (mm) are approximate.
Outer Dia. (OD) : 144mm

Dimensional Drawing

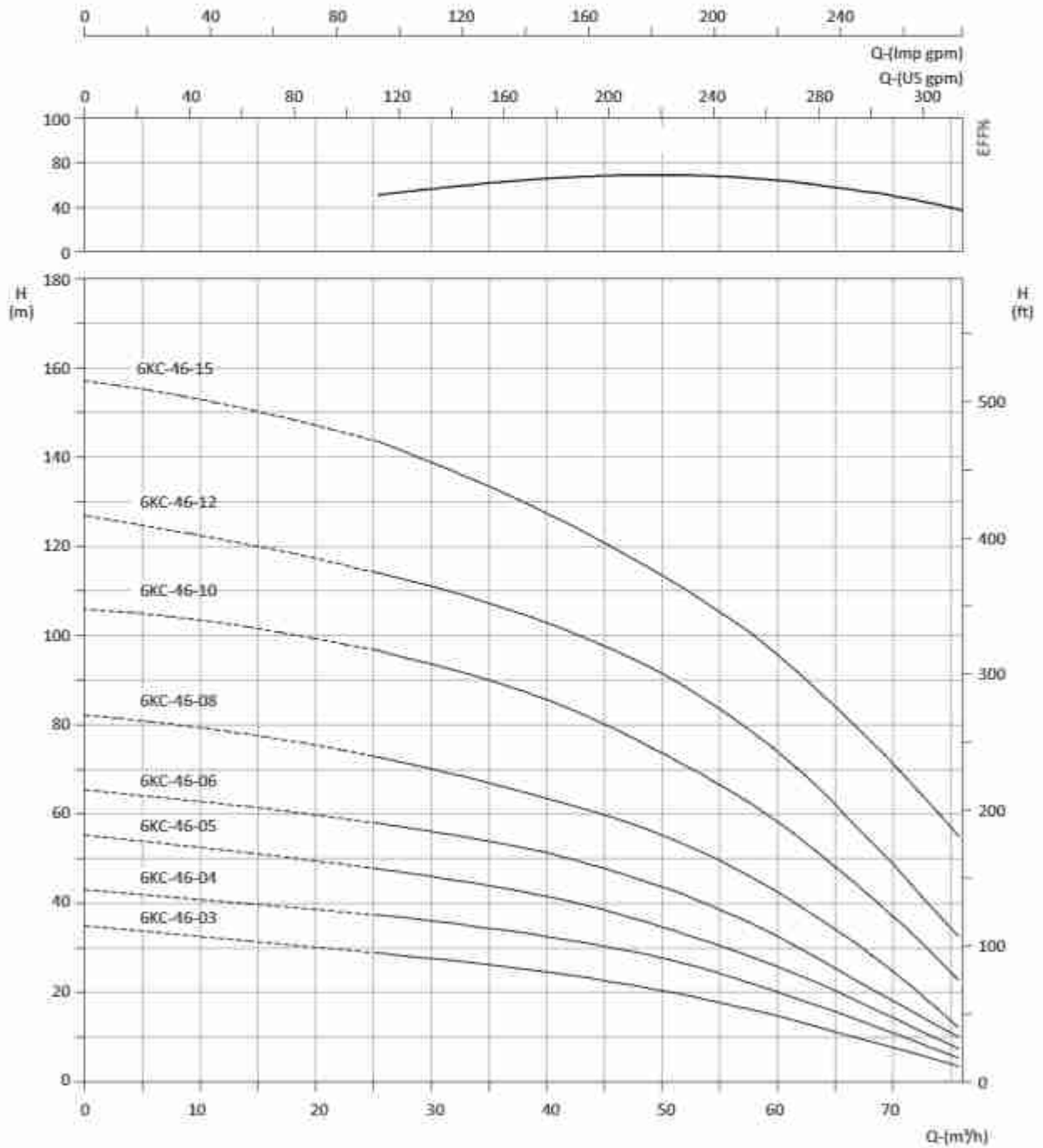


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All Performance data is based on rated input.

KC SERIES

| | |
|--------------|----------------------|
| Nominal Flow | 46 m ³ /h |
| Model | 6KC-46 |
| Outlet Size | 3" / 4" |

6" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

CAST IRON PUMPS

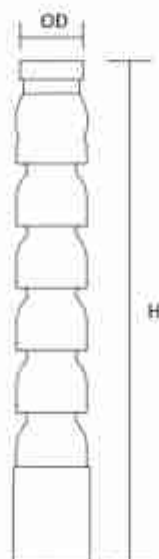
| | |
|--------------|---------------------------|
| Nominal Flow | 60 m³/h |
| Model | 6KC-60 |
| Outlet Size | 3"/ 4" |

6" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 333.3 | 500.0 | 666.7 | 833.4 | 1000.0 | 1166.7 | 1378.0 |
|-----------|-------------|---------------|-------|------|------------------------------|-----|-------|-------|-------|-------|--------|--------|--------|
| | Height (mm) | Nett.Wt. (kg) | kW | HP | m ³ /h | 0 | 20 | 30 | 40 | 50 | 60 | 70 | 83 |
| 6KC-60-03 | 698 | 35.00 | 5.5 | 7.5 | TOTAL DYNAMIC HEAD IN METRES | 40 | 35.5 | 31.5 | 27 | 22.5 | 18 | 12 | 3.5 |
| 6KC-60-04 | 808 | 40.00 | 7.5 | 10 | | 54 | 46.5 | 40.5 | 34.5 | 29 | 24.8 | 16 | 5 |
| 6KC-60-05 | 918 | 45.50 | 9.3 | 12.5 | | 67 | 59 | 52 | 44 | 38 | 31.5 | 22 | 7.5 |
| 6KC-60-06 | 1028 | 51.00 | 11 | 15 | | 79 | 68 | 59 | 52 | 45 | 36 | 25 | 11 |
| 6KC-60-07 | 1138 | 56.50 | 13 | 17.5 | | 93 | 82 | 74.5 | 65 | 57 | 45 | 31 | 16 |
| 6KC-60-08 | 1248 | 63.20 | 15 | 20 | | 107 | 94.5 | 84.8 | 74.5 | 66 | 54.8 | 39.8 | 18 |
| 6KC-60-10 | 1468 | 74.10 | 18.5 | 25 | | 134 | 117 | 106 | 92.5 | 82.5 | 69.8 | 51.5 | 21 |
| 6KC-60-12 | 1688 | 87.00 | 22 | 30 | | 158 | 140 | 127.5 | 111.5 | 97.5 | 83.5 | 64 | 29 |
| 6KC-60-14 | 1900 | 99.00 | 26 | 35 | | 178 | 159 | 146 | 127 | 112 | 96 | 74 | 35 |

Weight (kg) and Height (mm) are approximate.
Outer Dia. (OD) : 144mm

Dimensional Drawing

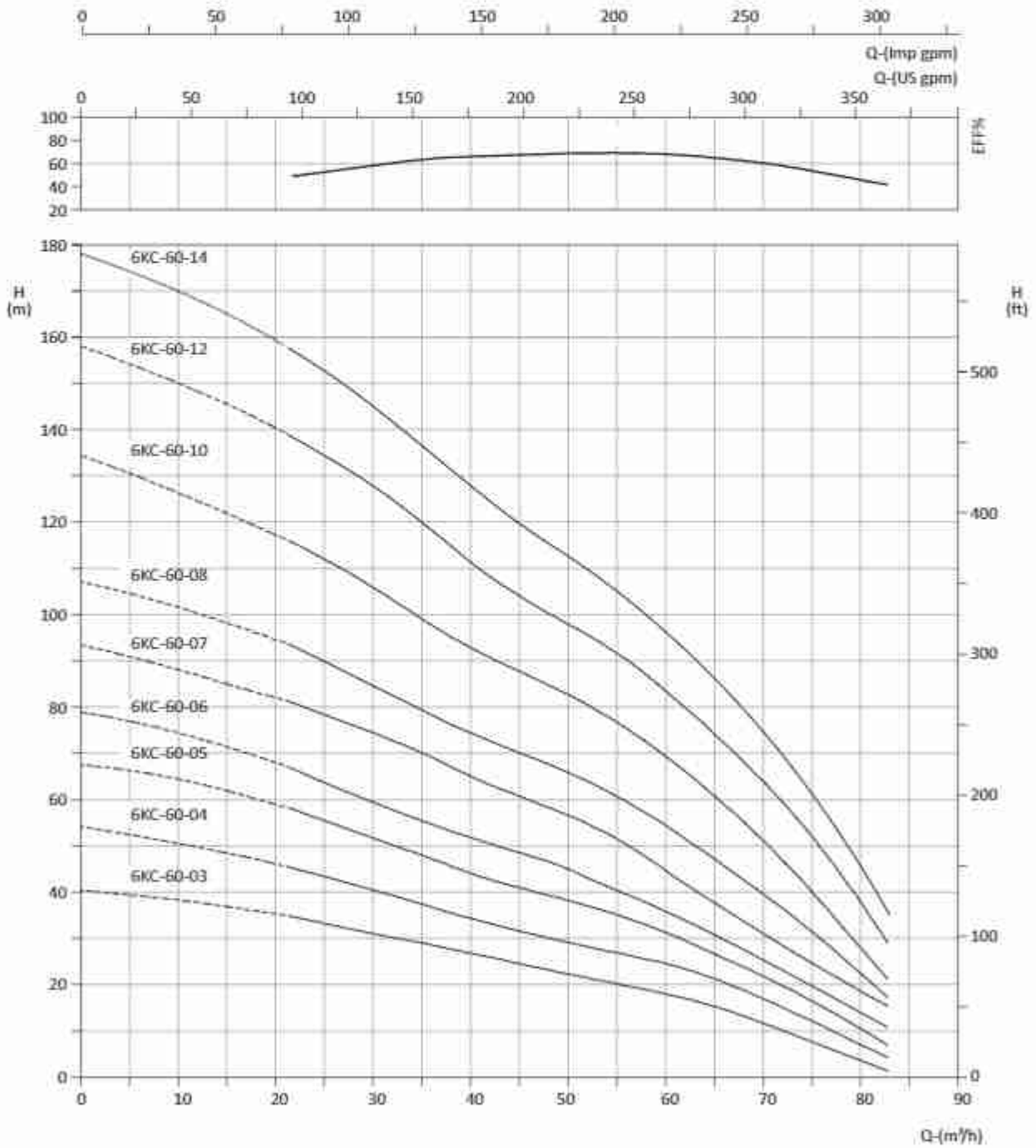


The Given details / drawings / specifications are subject to change without prior notice.
All Performance data is based on rated input.

KC SERIES

| | |
|--------------|---------------------------|
| Nominal Flow | 60 m³/h |
| Model | 6KC-60 |
| Outlet Size | 3" / 4" |

6" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

CAST IRON PUMPS

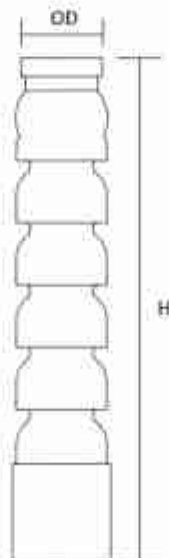
| | |
|--------------|----------------------|
| Nominal Flow | 50 m ³ /h |
| Model | 8KC-50 |
| Outlet Size | 3" / 4" |

8" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 500.0 | 666.7 | 833.4 | 1000.0 | 1066.7 |
|-------------|-------------|---------------|-------|------|------------------------------|-----|-------|-------|-------|--------|--------|
| | Height (mm) | Nett.Wt. (kg) | kW | HP | | | | | | | |
| 8KC-50-03-6 | 920 | 81.00 | 7.5 | 10 | TOTAL DYNAMIC HEAD IN METRES | 0 | 30 | 40 | 50 | 60 | 64 |
| 8KC-50-04-6 | 1050 | 93.00 | 9.3 | 12.5 | | 55 | 48 | 45 | 40 | 32 | 29 |
| 8KC-50-05-6 | 1180 | 105.00 | 11 | 15 | | 70 | 58 | 54 | 48 | 41 | 37 |
| 8KC-50-06-6 | 1310 | 117.00 | 15 | 20 | | 91 | 75 | 68 | 59 | 48 | 44 |
| 8KC-50-08-6 | 1570 | 141.00 | 18.5 | 25 | | 106 | 83 | 76 | 64 | 51 | 47 |
| 8KC-50-10-6 | 1830 | 165.00 | 22 | 30 | | 145 | 113 | 102 | 87 | 72 | 64 |
| 8KC-50-11-6 | 1960 | 184.00 | 30 | 40 | | 170 | 142 | 128 | 111 | 90 | 82 |
| 8KC-50-13 | 2230 | 209.00 | 37 | 50 | | 187 | 154 | 138 | 118 | 93 | 83 |
| 8KC-50-14 | 2350 | 221.00 | 37 | 50 | | 228 | 192 | 172 | 146 | 109 | 93 |
| | | | | | | 252 | 210 | 188 | 160 | 119 | 97 |

Weight (kg) and Height (mm) are approximate.
Outer Dia. (OD) : 195mm

Dimensional Drawing

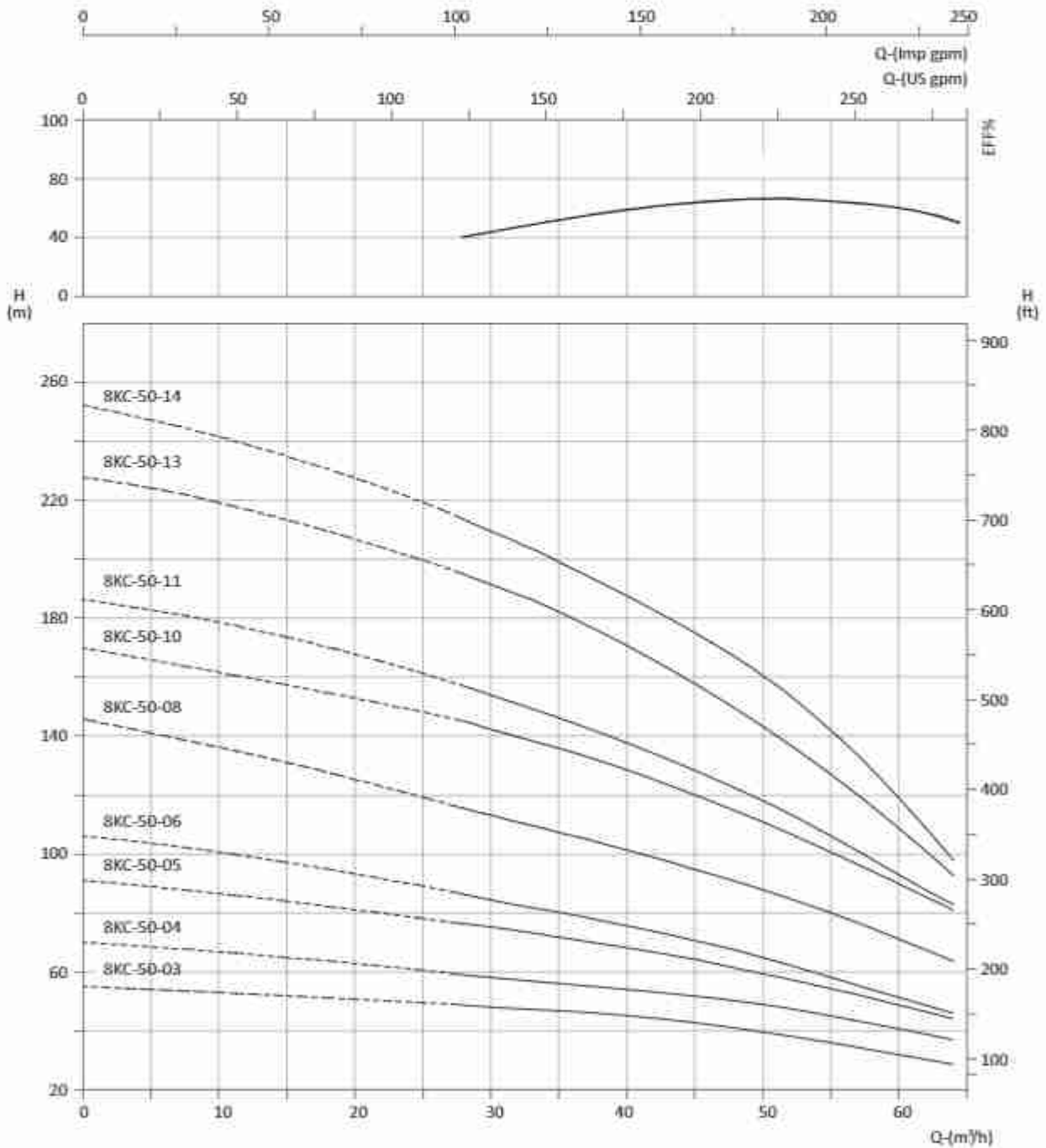


The Given details / drawings / specifications are subject to change without prior notice.
All Performance data is based on rated input.

KC SERIES

| | |
|--------------|----------------------|
| Nominal Flow | 50 m ³ /h |
| Model | 8KC-50 |
| Outlet Size | 3" / 4" |

8" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

CAST IRON PUMPS

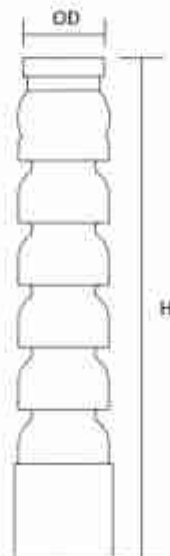
| | |
|--------------|---------------------------|
| Nominal Flow | 60 m³/h |
| Model | 8KC-60 |
| Outlet Size | 3" / 4" |

8" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 333.3 | 500.0 | 666.7 | 833.4 | 1000.0 | 1066.7 | 1333.4 |
|-------------|-------------|---------------|-------|------|------------------------------|-----|-------|-------|-------|-------|--------|--------|--------|
| | Height (mm) | Nett.Wt. (kg) | kW | HP | m ³ /h | 0 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
| 8KC-60-02-6 | 790 | 69.00 | 5.5 | 7.5 | TOTAL DYNAMIC HEAD IN METRES | 37 | 35 | 33 | 32 | 32 | 27 | 23 | 18 |
| 8KC-60-03-6 | 920 | 81.00 | 9.3 | 12.5 | | 57 | 54 | 51 | 47 | 47 | 38 | 32 | 24 |
| 8KC-60-04-6 | 1050 | 93.00 | 11 | 15 | | 77 | 68 | 65 | 61 | 61 | 48 | 38 | 28 |
| 8KC-60-04-6 | 1050 | 93.00 | 13 | 17.5 | | 81 | 75 | 70 | 65 | 65 | 52 | 42 | 30 |
| 8KC-60-05-6 | 1180 | 105.00 | 15 | 20 | | 98 | 91 | 86 | 79 | 79 | 64 | 55 | 44 |
| 8KC-60-06-6 | 1310 | 130.00 | 18.5 | 25 | | 104 | 97 | 95 | 89 | 89 | 74 | 63 | 51 |
| 8KC-60-07-6 | 1440 | 135.00 | 22 | 30 | | 128 | 116 | 109 | 103 | 103 | 86 | 73 | 58 |
| 8KC-60-08-6 | 1570 | 147.00 | 26 | 35 | | 143 | 130 | 123 | 116 | 116 | 97 | 85 | 71 |
| 8KC-60-08-6 | 1570 | 147.00 | 30 | 40 | | 156 | 141 | 134 | 127 | 127 | 107 | 94 | 77 |
| 8KC-60-10 | 1830 | 172.00 | 37 | 50 | | 205 | 187 | 179 | 168 | 168 | 137 | 114 | 88 |
| 8KC-60-12 | 2090 | 197.00 | 37 | 50 | | 218 | 196 | 186 | 175 | 175 | 142 | 119 | 93 |

Weight (kg) and Height (mm) are approximate.
Outer Dia. (OD) : 195mm

Dimensional Drawing

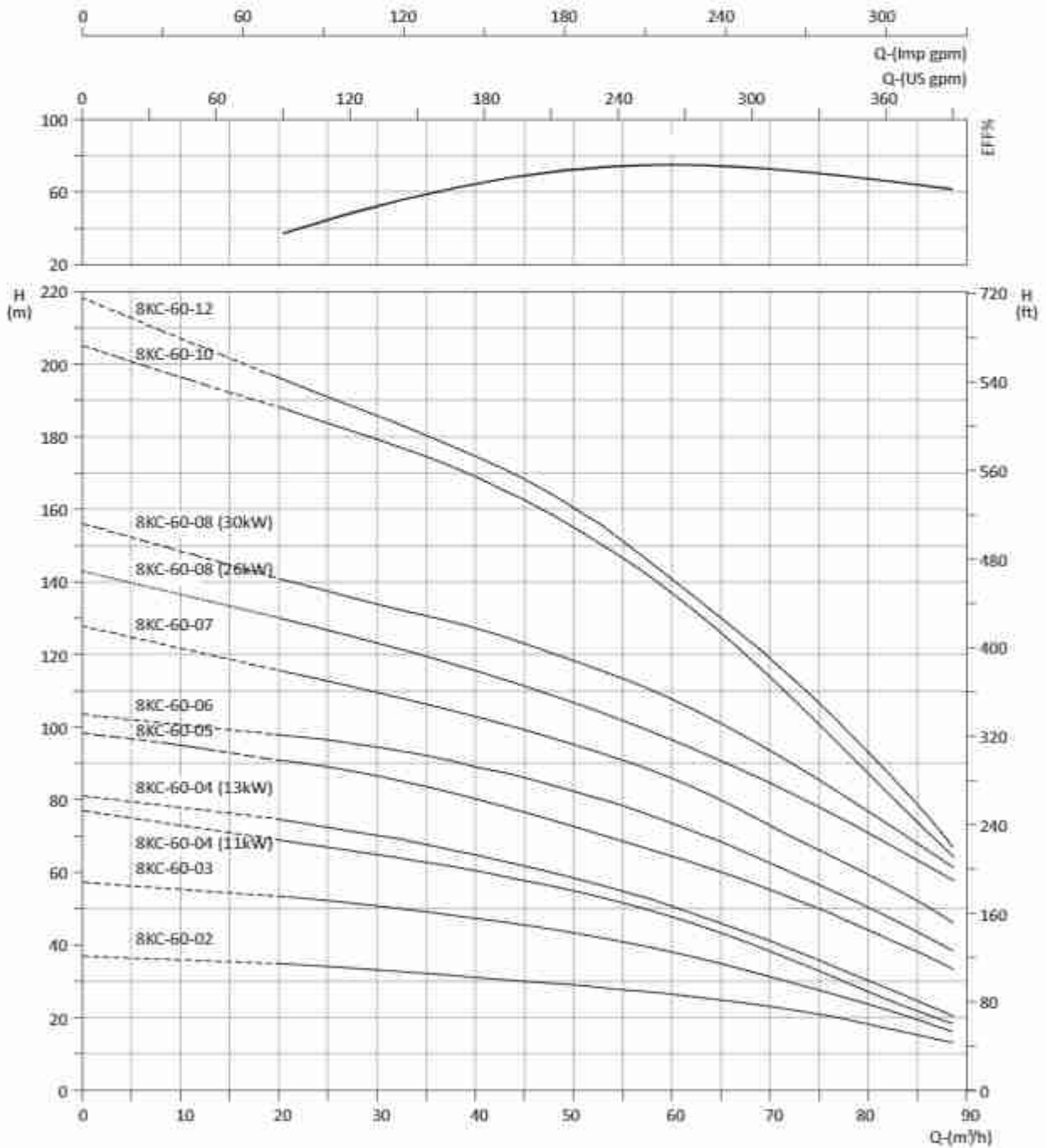


The Given details / drawings / specifications are subject to change without prior notice.
All Performance data is based on rated input.

KC SERIES

| | |
|--------------|----------------------|
| Nominal Flow | 60 m ³ /h |
| Model | 8KC-60 |
| Outlet Size | 3" / 4" |

8" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

CAST IRON PUMPS

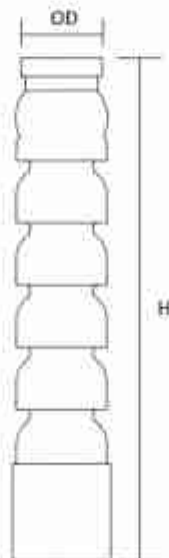
| | |
|--------------|---------------------------|
| Nominal Flow | 68 m³/h |
| Model | 8KC-68 |
| Outlet Size | 3"/ 4" |

8" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 500.0 | 666.7 | 833.4 | 1000.0 | 1066.7 | 1333.4 | 1500.0 |
|-------------|-------------|--------------|-------|-----|------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|
| | Height (mm) | Nett.Wt (kg) | kW | HP | m ³ /h | 0 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 8KC-68-02-6 | 790 | 69.00 | 7.5 | 10 | TOTAL DYNAMIC HEAD IN METRES | 40 | 35 | 33 | 30 | 27 | 25 | 20 | 17 |
| 8KC-68-03-6 | 920 | 81.00 | 11 | 15 | | 61 | 53 | 50 | 48 | 44 | 38 | 31 | 19 |
| 8KC-68-04-6 | 1050 | 93.00 | 15 | 20 | | 82 | 72 | 68 | 64 | 58 | 50 | 40 | 23 |
| 8KC-68-05-6 | 1180 | 105.00 | 18.5 | 25 | | 100 | 90 | 87 | 80 | 72 | 63 | 52 | 34 |
| 8KC-68-06-6 | 1310 | 130.00 | 22 | 30 | | 120 | 108 | 101 | 94 | 85 | 75 | 65 | 50 |
| 8KC-68-08-6 | 1570 | 147.00 | 30 | 40 | | 147.5 | 147 | 138 | 129 | 118 | 105 | 89 | 65 |
| 8KC-68-10 | 1830 | 172.00 | 37 | 50 | | 197.5 | 177 | 168 | 157 | 142 | 128 | 112 | 88 |
| 8KC-68-15 | 2480 | 234.00 | 55 | 75 | | 285 | 255 | 241 | 225 | 207 | 187 | 165 | 103 |
| 8KC-68-20 | 3130 | 296.00 | 75 | 100 | | 375 | 332 | 315 | 298 | 278 | 258 | 236 | 200 |

Weight (kg) and Height (mm) are approximate.
Outer Dia. (OD) - 195mm

Dimensional Drawing

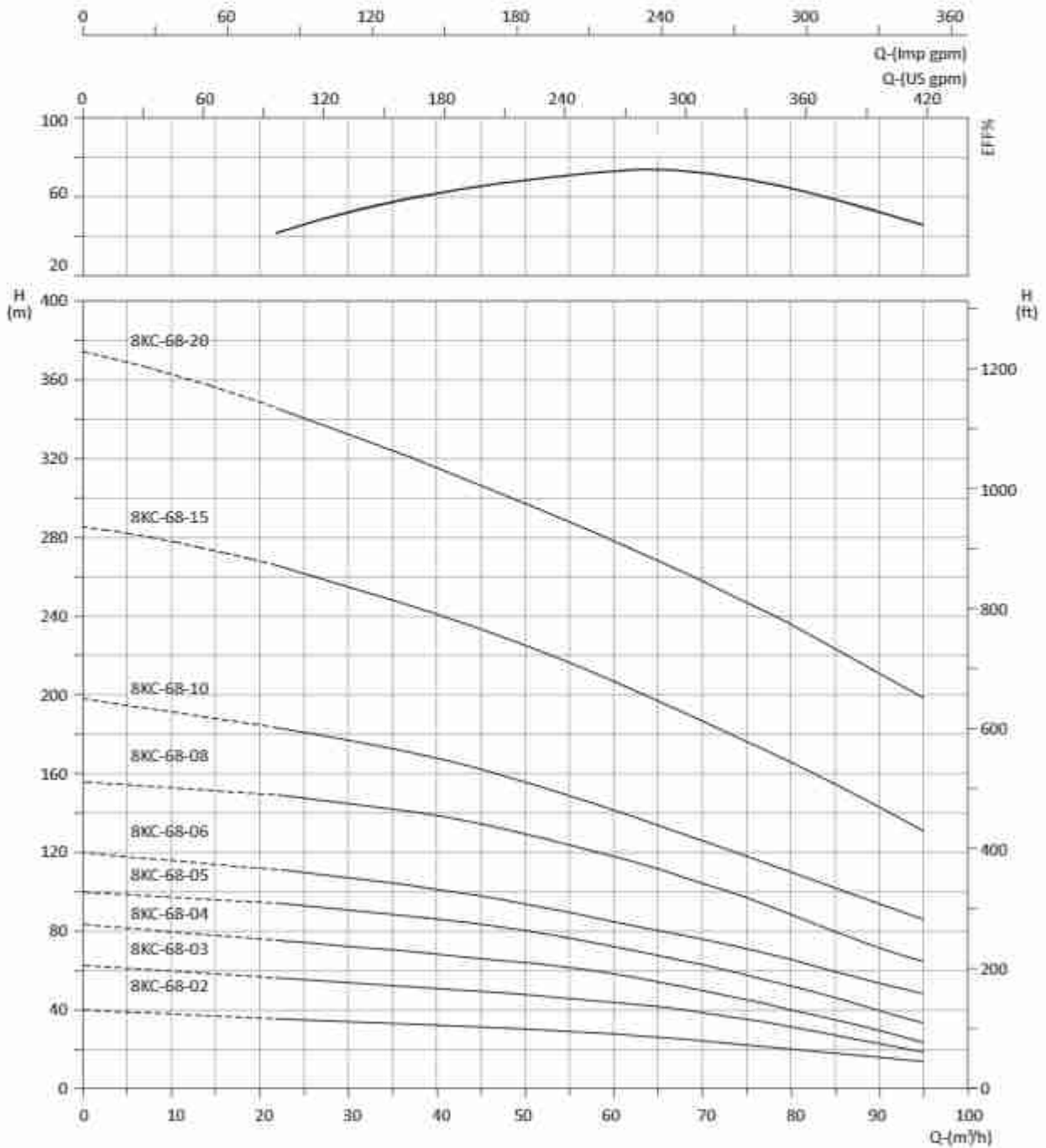


The Given details / drawings / specifications are subject to change without prior notice.
All Performance data is based on rated input.

KC SERIES

| | |
|--------------|---------------------------|
| Nominal Flow | 68 m³/h |
| Model | 8KC-68 |
| Outlet Size | 3"/4" |

8" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

CAST IRON PUMPS

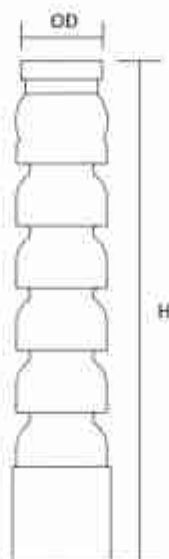
| | |
|--------------|---------------------------|
| Nominal Flow | 80 m³/h |
| Model | 8KC-80 |
| Outlet Size | 4"/ 5" |

8" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 500.0 | 666.7 | 833.4 | 1000.0 | 1066.7 | 1333.4 | 1500.0 | 1666.7 |
|-------------|-------------|---------------|-------|-----|------------------------------|-----|-------|-------|-------|--------|--------|--------|--------|--------|
| | Height (mm) | Nett.Wt. (kg) | kW | HP | | | | | | | | | | |
| 8KC-80-05-6 | 1180 | 105.00 | 22 | 30 | TOTAL DYNAMIC HEAD IN METRES | 0 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 8KC-80-07-6 | 1440 | 135.00 | 30 | 40 | | 87 | 83 | 81 | 78 | 75 | 71 | 65 | 58 | 47 |
| 8KC-80-08 | 1570 | 147.00 | 37 | 50 | | 136 | 128 | 125 | 122 | 115 | 107 | 97 | 85 | 71 |
| 8KC-80-10 | 1830 | 171.00 | 45 | 60 | | 162 | 154 | 150 | 147 | 140 | 132 | 121 | 109 | 96 |
| 8KC-80-12 | 2090 | 197.00 | 55 | 75 | | 188 | 178 | 171 | 164 | 157 | 148 | 137 | 126 | 113 |
| 8KC-80-17 | 2350 | 259.00 | 75 | 100 | | 222 | 205 | 198 | 191 | 183 | 175 | 166 | 156 | 144 |
| | | | | | | 320 | 299 | 289 | 278 | 267 | 256 | 242 | 227 | 212 |

Weight (kg) and Height H (mm) are approximate.
Outer Dia. (OD) : 195mm

Dimensional Drawing

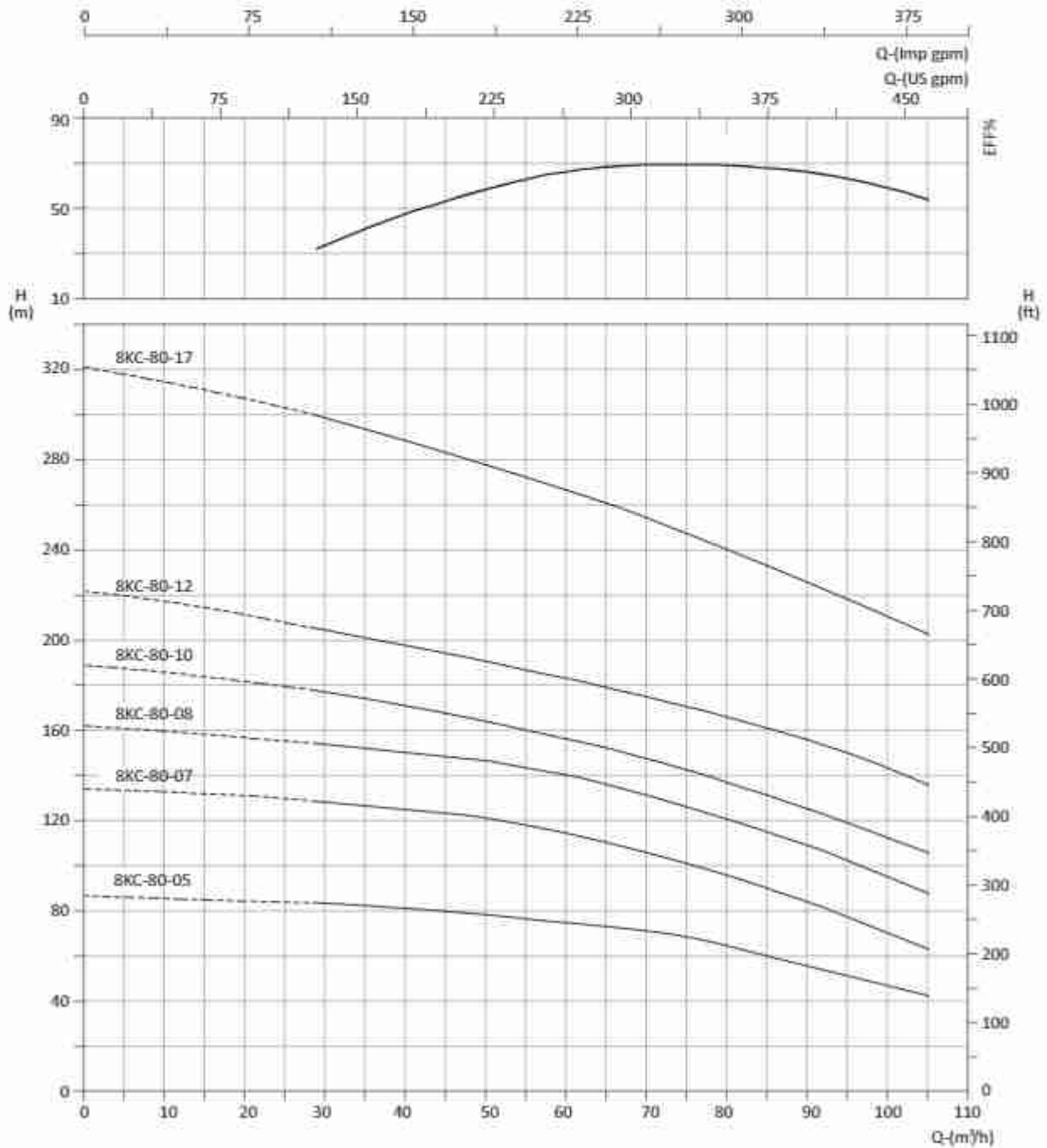


The Given details / drawings / specifications are subject to change without prior notice.
All Performance data is based on rated input.

KC SERIES

| | |
|--------------|----------------------|
| Nominal Flow | 80 m ³ /h |
| Model | 8KC-80 |
| Outlet Size | 4" / 5" |

8" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

CAST IRON PUMPS

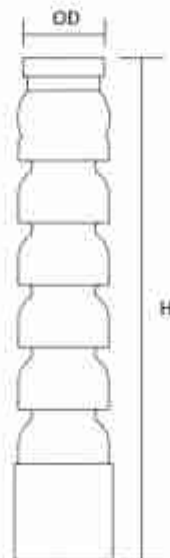
| | |
|--------------|---------------------------|
| Nominal Flow | 90 m³/h |
| Model | 8KC-90 |
| Outlet Size | 4"/ 5" |

8" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 500.0 | 666.7 | 833.4 | 1000.0 | 1066.7 | 1333.4 | 1500.0 | 1992.0 |
|-------------|-------------|---------------|-------|------|------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | Height (mm) | Nett.Wt. (kg) | kW | HP | | | | | | | | | | |
| 8KC-90-01-6 | 660 | 66.00 | 5.5 | 7.5 | TOTAL DYNAMIC HEAD IN METRES | 0 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 120 |
| 8KC-90-02-6 | 790 | 69.00 | 9.3 | 12.5 | | 20 | 19 | 18.5 | 18 | 17.5 | 16 | 15 | 12 | 6 |
| 8KC-90-02-6 | 790 | 69.00 | 11 | 15 | | 40 | 37 | 36 | 35 | 34 | 32 | 29 | 24 | 11 |
| 8KC-90-03-6 | 920 | 81.00 | 15 | 20 | | 46 | 41 | 40 | 39 | 38 | 36 | 35 | 32 | 18 |
| 8KC-90-03-6 | 920 | 81.00 | 18.5 | 25 | | 59 | 56 | 54 | 53 | 51 | 49 | 45 | 40 | 20 |
| 8KC-90-04-6 | 1050 | 93.00 | 18.5 | 25 | | 61 | 58 | 57.5 | 55 | 53 | 51 | 49 | 44 | 23 |
| 8KC-90-04-6 | 1050 | 93.00 | 22 | 30 | | 75.5 | 70 | 68 | 66 | 64 | 60 | 56 | 48 | 29.5 |
| 8KC-90-05-6 | 1180 | 105.00 | 26 | 35 | | 80 | 75 | 73 | 71 | 70 | 68 | 62 | 52 | 34 |
| 8KC-90-05-6 | 1180 | 105.00 | 30 | 40 | | 92 | 88 | 87 | 85 | 83 | 80 | 75 | 61 | 38 |
| 8KC-90-06 | 1310 | 130.00 | 37 | 50 | | 102 | 98 | 96 | 94 | 92 | 89 | 85 | 79.5 | 46 |
| 8KC-90-08 | 1570 | 147.00 | 45 | 60 | | 114 | 109 | 107 | 105 | 103 | 100 | 95 | 88 | 58 |
| 8KC-90-10 | 1830 | 172.00 | 55 | 75 | | 156.5 | 150 | 147 | 143 | 138 | 132 | 128 | 120 | 84 |
| 8KC-90-13 | 2220 | 209.00 | 75 | 100 | | 174.5 | 185 | 181 | 176 | 171 | 164 | 158 | 148 | 119 |
| 8KC-90-17 | 2740 | 259.00 | 93 | 125 | | 250 | 240 | 235 | 230 | 225 | 218 | 208 | 200 | 164 |
| | | | | | | 324 | 312 | 306 | 299 | 291 | 282 | 272 | 260 | 224 |

Weight (kg) and Height H (mm) are approximate.
Outer Dia. (OD) : 195mm

Dimensional Drawing

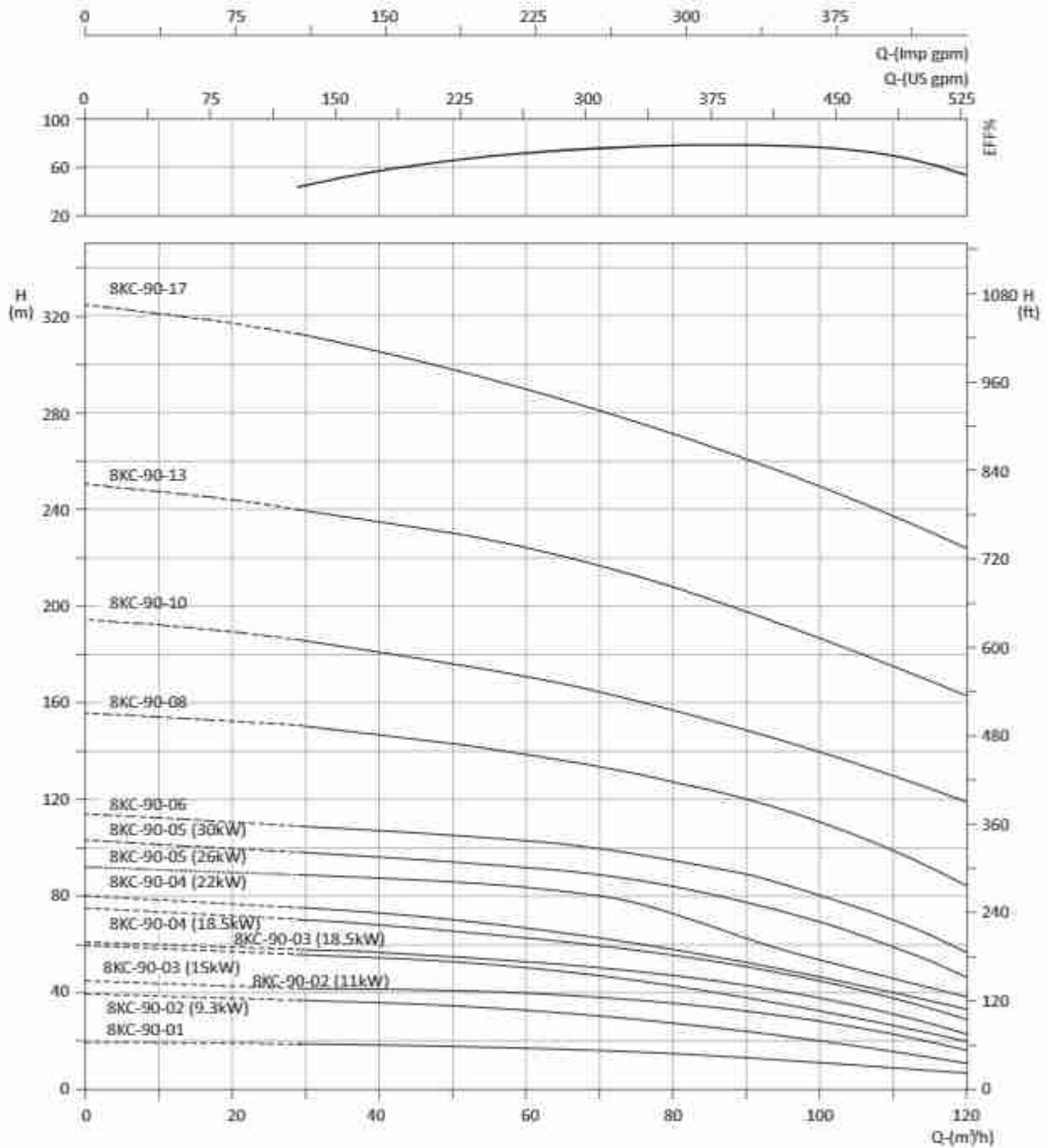


The Given details / drawings / specifications are subject to change without prior notice.
All Performance data is based on rated input.

KC SERIES

| | |
|--------------|----------------------|
| Nominal Flow | 90 m ³ /h |
| Model | 8KC-90 |
| Outlet Size | 4"/5" |

8" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

CAST IRON PUMPS

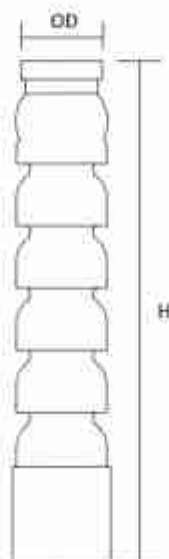
| | |
|--------------|----------------------------|
| Nominal Flow | 100 m³/h |
| Model | 8KC-100 |
| Outlet Size | 5"/ 6" |

8" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 666.7 | 833.4 | 1000.0 | 1066.7 | 1500.0 | 1833.4 | 2166.7 |
|--------------|-------------|---------------|-------|-----|------------------------------|-----|-------|-------|--------|--------|--------|--------|--------|
| | Height (mm) | Nett.Wt. (kg) | kW | HP | m ³ /h | 0 | 40 | 50 | 60 | 70 | 90 | 110 | 130 |
| 8KC-100-01-6 | 660 | 90.00 | 7.5 | 10 | TOTAL DYNAMIC HEAD IN METRES | 21 | 20.50 | 20 | 20 | 19 | 16 | 10 | 3 |
| 8KC-100-02-6 | 790 | 99.00 | 15 | 20 | | 51 | 47 | 46 | 45 | 43 | 39 | 32 | 15 |
| 8KC-100-03-6 | 920 | 106.00 | 22 | 30 | | 74 | 68 | 66 | 65 | 63 | 56 | 45 | 24 |
| 8KC-100-04-6 | 1050 | 114.00 | 30 | 40 | | 96 | 88 | 86 | 84 | 81 | 73 | 60 | 36 |
| 8KC-100-05 | 1180 | 122.00 | 37 | 50 | | 122 | 112 | 110 | 106 | 103 | 94 | 76 | 49 |
| 8KC-100-06 | 1310 | 130.00 | 45 | 60 | | 140 | 130 | 127 | 125 | 120 | 110 | 96 | 73 |
| 8KC-100-08 | 1570 | 147.00 | 55 | 75 | | 188 | 171 | 166 | 161 | 155 | 142 | 125 | 104 |
| 8KC-100-10 | 1830 | 172.00 | 75 | 100 | | 235 | 218 | 212 | 207 | 201 | 187 | 168 | 142 |
| 8KC-100-12 | 2090 | 197.00 | 93 | 125 | | 280 | 262 | 255 | 250 | 243 | 228 | 209 | 181 |

Weight (kg) and Height (mm) are approximate.
Outer Dia. (OD) - 195mm

Dimensional Drawing

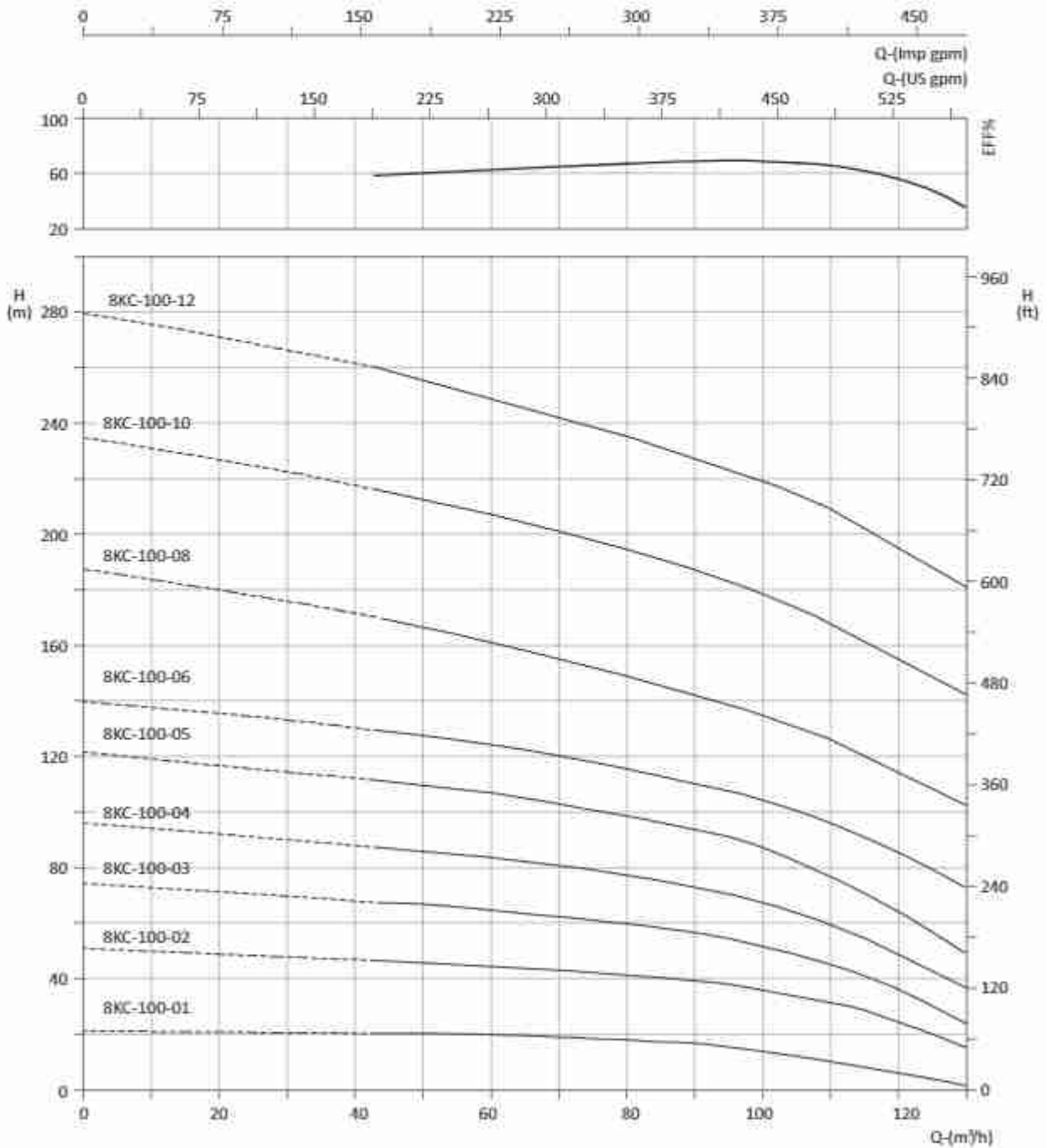


The Given details / drawings / specifications are subject to change without prior notice.
All Performance data is based on rated input.

KC SERIES

| | |
|--------------|-----------------------|
| Nominal Flow | 100 m ³ /h |
| Model | 8KC-100 |
| Outlet Size | 5"/6" |

8" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

CAST IRON PUMPS

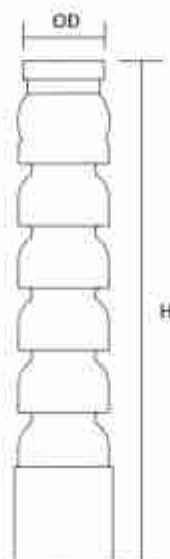
| | |
|--------------|-----------------------|
| Nominal Flow | 125 m ³ /h |
| Model | 8KC-125 |
| Outlet Size | 5"/ 6" |

8" Performance Data

| Model | Dimensions | | Power | | lpm | 0 | 1000.0 | 1333.4 | 1666.7 | 2000.0 | 2333.4 | 2666.7 | 3000.0 |
|--------------|-------------|---------------|-------|------|------------------------------|-----|--------|--------|--------|--------|--------|--------|--------|
| | Height (mm) | Nett.Wt. (kg) | kW | HP | m ³ /h | 0 | 60 | 80 | 100 | 120 | 140 | 160 | 180 |
| 8KC-125-01-6 | 670 | 66.00 | 9.3 | 12.5 | TOTAL DYNAMIC HEAD IN METRES | 20 | 19 | 18 | 17 | 15 | 12 | 8 | 4 |
| 8KC-125-02-6 | 810 | 74.50 | 18.5 | 25 | | 44 | 36 | 34 | 31 | 28 | 26 | 22 | 17 |
| 8KC-125-03-6 | 950 | 83.00 | 30 | 40 | | 76 | 66 | 62 | 58 | 53 | 48 | 40 | 32 |
| 8KC-125-04 | 1090 | 91.50 | 37 | 50 | | 102 | 88 | 84 | 79 | 74 | 68 | 59 | 48 |
| 8KC-125-05 | 1230 | 100.00 | 45 | 60 | | 122 | 108 | 103 | 96 | 88 | 81 | 72 | 60 |
| 8KC-125-06 | 1370 | 108.50 | 55 | 75 | | 148 | 133 | 127 | 120 | 113 | 105 | 94 | 80 |
| 8KC-125-08 | 1650 | 123.50 | 75 | 100 | | 194 | 175 | 168 | 160 | 152 | 142 | 130 | 114 |
| 8KC-125-10 | 1930 | 142.50 | 93 | 125 | | 240 | 223 | 213 | 204 | 193 | 180 | 168 | 171 |

Weight (kg) and Height H (mm) are approximate.
Outer Dia. (OD) : 197mm

Dimensional Drawing

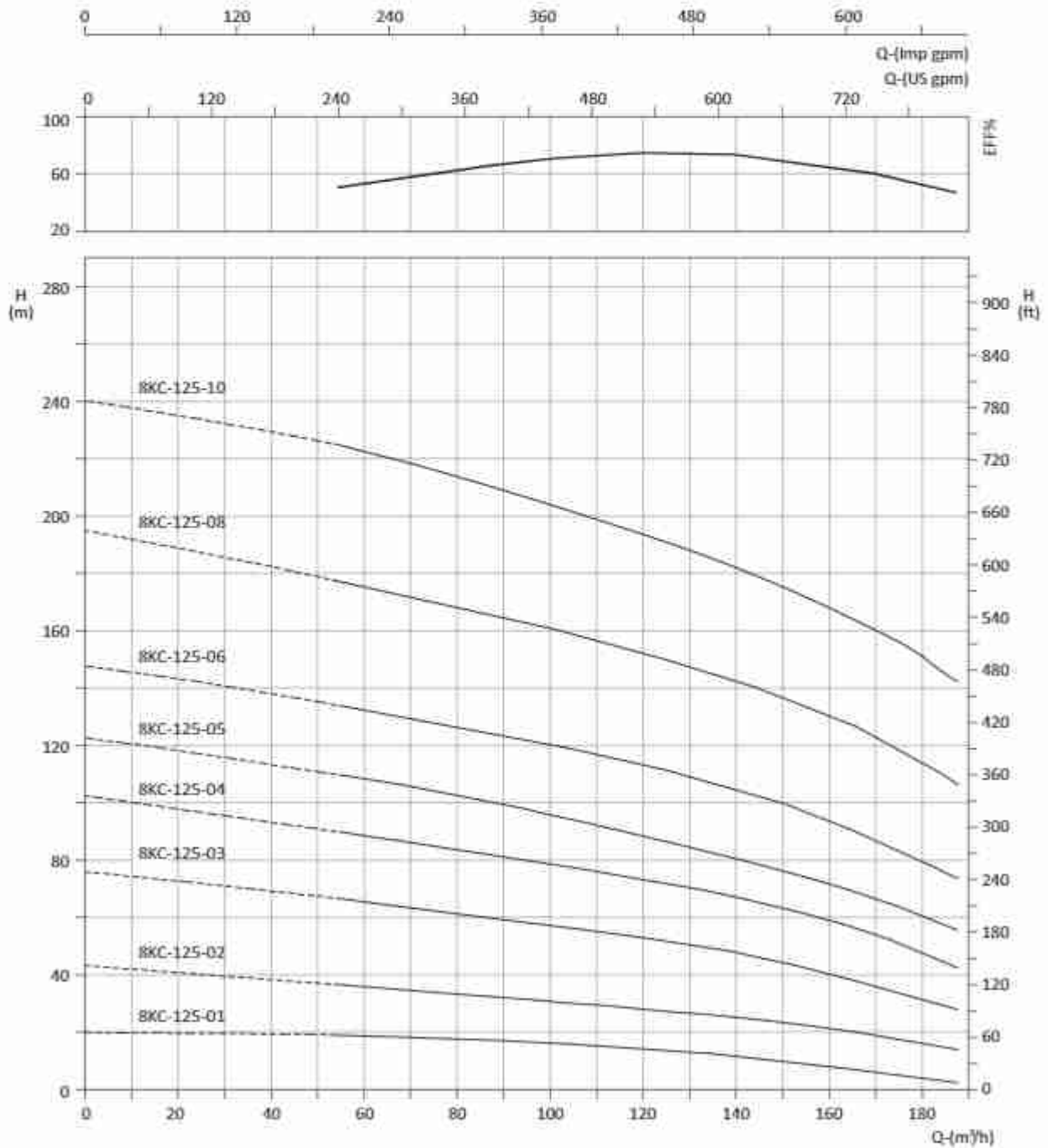


The Given details / drawings / specifications are subject to change without prior notice.
All Performance data is based on rated input.

KC SERIES

| | |
|--------------|-----------------------|
| Nominal Flow | 125 m ³ /h |
| Model | 8KC-125 |
| Outlet Size | 5"/6" |

8" Performance Curve



Curve tolerance according to ISO 9906:2012, Grade 3B

Friction Loss Chart

Friction loss in metres for 10 metres long new steel galvanized pipe (C=140)

| Nominal Pipe Outer dia in mm / inches | 25 / 1" | 32 / 1 1/4" | 40 / 1 1/2" | 50 / 2" | 65 / 2 1/2" | 80 / 3" | 100 / 4" | 125 / 5" | 150 / 6" |
|---------------------------------------|---------|-------------|-------------|---------|-------------|---------|----------|----------|----------|
| Volume rate of flow lps | | | | | | | | | |
| 0.50 | 0.364 | | | | | | | | |
| 1.00 | 1.315 | 0.341 | | | | | | | |
| 1.25 | 1.988 | 0.516 | 0.246 | | | | | | |
| 1.60 | 3.140 | 0.814 | 0.388 | | | | | | |
| 2.00 | | 1.231 | 0.587 | | | | | | |
| 2.50 | | 1.861 | 0.888 | 0.282 | | | | | |
| 3.2 | | 2.940 | 1.402 | 0.446 | 0.126 | | | | |
| 4.0 | | | 2.120 | 0.674 | 0.190 | | | | |
| 5.0 | | | 3.205 | 1.019 | 0.288 | | | | |
| 8.0 | | | | 2.433 | 0.887 | 0.313 | | | |
| 10.0 | | | | 3.678 | 1.038 | 0.474 | 0.131 | | |
| 12.5 | | | | | 1.570 | 0.716 | 0.198 | | |
| 16 | | | | | 2.479 | 1.131 | 0.312 | 0.111 | |
| 20 | | | | | 3.747 | 1.710 | 0.472 | 0.167 | |
| 25 | | | | | | 2.585 | 0.713 | 0.253 | 0.106 |
| 32 | | | | | | 4.033 | 1.127 | 0.400 | 0.157 |
| 40 | | | | | | | 1.704 | 0.605 | 0.252 |
| 50 | | | | | | | 2.576 | 0.914 | 0.351 |
| 60 | | | | | | | | 1.281 | 0.534 |
| 80 | | | | | | | | 0.182 | 0.910 |
| 100 | | | | | | | | 3.299 | 1.376 |
| 125 | | | | | | | | | 0.051 |

Friction loss in metres for 10 metres long new RPVC pipe (C=150)

| Nominal Pipe Outer dia in mm / inches | 40 / 1 1/2" | 50 / 2" | 63 / 2 1/2" | 75 / 3" | 90 / 3 1/2" | 110 / 4 1/4" | 125 / 5" | 140 / 5 1/2" | 160 / 6 1/4" |
|---------------------------------------|-------------|---------|-------------|---------|-------------|--------------|----------|--------------|--------------|
| Volume rate of flow lps | | | | | | | | | |
| 0.50 | 0.074 | | | | | | | | |
| 1.00 | 0.268 | 0.131 | | | | | | | |
| 1.25 | 0.405 | 0.211 | 0.150 | | | | | | |
| 1.60 | 0.640 | 0.310 | 0.250 | | | | | | |
| 2.00 | 0.967 | 0.483 | 0.377 | | | | | | |
| 2.50 | 1.462 | 0.762 | 0.571 | 0.106 | | | | | |
| 3.20 | 2.309 | 1.153 | 1.363 | 0.160 | 0.237 | | | | |
| 4.0 | 3.491 | 1.742 | 2.060 | 0.242 | 0.358 | | | | |
| 5.0 | | 4.161 | 3.114 | 0.577 | 0.542 | | | | |
| 8.0 | | | 4.919 | 0.873 | 0.856 | 0.133 | | | |
| 10.0 | | | | 1.319 | 1.293 | 0.201 | 0.172 | | |
| 12.5 | | | | 2.084 | 1.955 | 0.317 | 0.260 | | |
| 16 | | | | 3.151 | 3.089 | 0.479 | 0.362 | 0.225 | |
| 20 | | | | | | 0.725 | 0.020 | 0.355 | |
| 25 | | | | | | 1.145 | 0.937 | 0.537 | 0.117 |
| 32 | | | | | | 1.731 | 1.416 | 0.812 | 0.184 |
| 40 | | | | | | 2.617 | 1.985 | 1.138 | 0.279 |
| 50 | | | | | | 3.008 | 3.382 | 1.939 | 0.421 |
| 60 | | | | | | | | 2.911 | 0.590 |
| 80 | | | | | | | | | 1.006 |
| 100 | | | | | | | | | 1.521 |
| 125 | | | | | | | | | 2.299 |

Friction Loss Chart

Permissible ranges of volume rates flow in l/s through Galvanized Steel Pipe to limit Friction Losses to 10 Percent of the Pipe Length.

| Grade → | Light | Medium | Heavy |
|--------------------------|---------------------|---------------------|---------------------|
| Nominal pipe dia in mm ↓ | Rate of flow in lps | Rate of flow in lps | Rate of flow in lps |
| 40 | 1.90 - 2.74 | 1.79 - 2.67 | 1.59 - 2.41 |
| 50 | 2.74 - 5.24 | 2.67 - 4.95 | 2.41 - 4.54 |
| 65 | 5.24 - 9.97 | 4.95 - 9.80 | 4.54 - 9.17 |
| 80 | 9.97 - 15.54 | 9.80 - 14.97 | 9.17 - 14.20 |
| 100 | 15.54 - 30.84 | 14.97 - 30.0 | 14.20 - 28.67 |
| 125 | - | 30.0 - 52.50 | 28.67 - 51.37 |
| 150 | - | 52.50 - 84.18 | 51.37 - 82.63 |

Permissible ranges of volume rates flow in l/s through RPVC Pipe to limit Friction Losses to 10 Percent of the Pipe Length.

| Grade → | Class (0.25Mpa) | Class (0.4Mpa) | Class (0.6Mpa) |
|--------------------------|---------------------|---------------------|---------------------|
| Nominal pipe dia in mm ↓ | Rate of flow in lps | Rate of flow in lps | Rate of flow in lps |
| 40 | - | - | Up to 2.04 |
| 50 | - | - | 2.04 - 3.70 |
| 63 | - | 3.80 - 7.24 | 3.70 - 6.77 |
| 75 | - | 7.24 - 11.47 | 6.77 - 10.76 |
| 90 | 1.50 - 19.58 | 11.47 - 18.50 | 10.76 - 17.41 |
| 110 | 19.58 - 33.25 | 18.59 - 31.71 | 17.41 - 29.75 |
| 125 | 33.25 - 46.63 | 31.71 - 44.33 | 29.75 - 41.44 |
| 140 | 46.63 - 62.92 | 44.33 - 59.79 | 41.44 - 55.97 |
| 160 | 62.92 - 89.28 | 59.79 - 84.95 | 55.97 - 79.76 |

Conversion Chart

FLOW RATE

| Litre Per Second l/s | Litre Per Minute l/min | Cubic Meter Per Hour m ³ /h | Cubic Foot Per Hour ft ³ /h | Cubic Foot Per Minute ft ³ /min | Imp.Gallon Per Minute Imp. gal/min | US Gallon Per Minute Us gal./min | Barrel Per Day |
|-------------------------|---------------------------|---|---|---|---------------------------------------|-------------------------------------|----------------|
| 1 | 60 | 3.6 | 127.133 | 2.1189 | 13.2 | 15.85 | 543.439 |
| 0.017 | 1 | 0.06 | 2.1189 | 0.0353 | 0.22 | 0.264 | 9.057 |
| 0.278 | 16.667 | 1 | 35.3147 | 0.5886 | 3.666 | 4.403 | 150.955 |
| 0.008 | 0.472 | 0.0283 | 1 | 0.0167 | 0.104 | 0.125 | 4.275 |
| 0.472 | 28.317 | 1.6990 | 60 | 1 | 6.229 | 7.480 | 256.475 |
| 0.076 | 4.526 | 0.2728 | 9.6326 | 0.105 | 1 | 1.201 | 41.175 |
| 0.063 | 3.785 | 0.2271 | 8.0209 | 0.1337 | 0.833 | 1 | 34.286 |
| 0.002 | 0.110 | 0.0066 | 0.2339 | 0.0039 | 0.024 | 0.029 | 1 |

LIQUID

| Cubic Meter m ³ | Litre l | Millilitre ml | Imp.Gallon Imp.Gal | US Gallon US Gal | Cubic Foot m ³ |
|-------------------------------|------------|---------------------|------------------------|--------------------------|------------------------------|
| 1 | 1000 | 1 x 10 ⁶ | 220 | 264.2 | 35.3147 |
| 0.001 | 1 | 1000 | 0.22 | 0.2642 | 0.0353 |
| 1 x 10 ⁻⁶ | 0.001 | 1 | 2.2 x 10 ⁻⁴ | 2.642 x 10 ⁻⁴ | 3.53 x 10 ⁻⁵ |
| 0.00455 | 4.546 | 4546 | 1 | 1.201 | 0.1605 |
| 0.00378 | 3.785 | 3785 | 0.8327 | 1 | 0.1337 |
| 0.0283 | 27.317 | 28.317 | 6.2288 | 7.4805 | 1 |

LIQUID HEAD AND PRESSURE

| Newton Per square | Litre Per Minute l/min | Cubic Meter Per Hour m ³ /h | Cubic Foot Per Hour ft ³ /h | Cubic Foot Per Minute ft ³ /min | Imp.Gallon Per Minute Imp. gal/min | US Gallon Per Minute Us gal./min | Barrel Per Day |
|---------------------|---------------------------|---|---|---|---------------------------------------|-------------------------------------|-------------------------|
| 1 | 0.001 | 1 x 10 ⁻⁶ | 1.02 x 10 ⁻⁵ | 3.35 x 10 ⁻⁷ | 1.02 x 10 ⁻⁴ | 0.0075 | 2.95 x 10 ⁻⁴ |
| 1000 | 1 | 0.01 | 0.0102 | 0.335 | 0.102 | 7 | 0.295 |
| 1 X 10 ⁶ | 100 | 1 | 1.02 | 33.52 | 10.02 | 750.1 | 29.53 |
| 98,067 | 98.07 | 0.981 | 1 | 32.52 | 10 | 735.6 | 28.96 |
| 6895 | 6.895 | 0.069 | 0.0703 | 2.31 | 0.703 | 51.72 | 0.036 |
| 2984 | 2.984 | 0.03 | 0.0305 | 1 | 0.305 | 22.42 | 0.882 |
| 9789 | 9.789 | 0.098 | 0.1 | 3.28 | 1 | 73.42 | 0.891 |
| 133.3 | 0.133 | 0.0013 | 0.0014 | 0.045 | 0.014 | 1 | 0.039 |
| 3386 | 3.386 | 0.0338 | 0.0345 | 1.33 | 0.0345 | 25.4 | 1 |

Conversion Chart

LENGTH

| Cubic Meter m ³ | Centimeter cm | Meter m | Inch in | Feet ft | Yard yd |
|-------------------------------|------------------|------------|------------|------------|------------|
| 1 | 0.01 | 0.001 | 0.0394 | 0.0033 | 0.0011 |
| 10 | 1 | 0.01 | 0.3937 | 0.328 | 0.0109 |
| 1000 | 100 | 1 | 39.3701 | 3.2808 | 1.0936 |
| 25.4 | 2.54 | 0.0254 | 1 | 0.0833 | 0.0278 |
| 304.8 | 30.48 | 0.3048 | 12 | 1 | 0.3333 |
| 914.4 | 91.44 | 0.9144 | 36 | 3 | 1 |

1 Kilometer = 1000 metres = 0.62137 miles 1 mile = 1609.37 metres = 1.60934 kilometres

MASS

| Kilogram kg | Pound lb | Hundred weight (cwt) | Tonne t | Ton long tn | Short ton sh tn |
|----------------|-------------|-------------------------|-----------------------|-----------------------|----------------------|
| 1 | 2.205 | 0.0197 | 0.001 | 9.84×10^{-4} | 0.0011 |
| 0.454 | 1 | 0.0089 | 4.54×10^{-4} | 4.46×10^{-4} | 5.0×10^{-4} |
| 50.802 | 112 | 1 | 0.0508 | 0.05 | 0.056 |
| 1000 | 2204.6 | 19.684 | 1 | 0.9842 | 1.1023 |
| 1016 | 2240 | 20 | 1.0161 | 1 | 1.102 |
| 907.2 | 2000 | 17.857 | 0.9072 | 0.8929 | 1 |

TEMPERATURE CONVERSION TABLE

| From | To | Use Formula |
|----------------------------|----------------------------|---------------------------|
| Temperature Celsius, tc | Temperature Kelvin, tk | $K = tc + 273.15$ |
| Temperature Fahrenheit, tf | Temperature Kelvin, tk | $K = (tf + 459.67) / 1.8$ |
| Temperature Celsius, tc | Temperature Fahrenheit, tf | $F = 1.8 tc + 32$ |
| Temperature Fahrenheit, tf | Temperature Celsius, tc | $C = (tf - 32) / 1.8$ |
| Temperature Kelvin, tk | Temperature Celsius, tc | $C = tk - 273.15$ |
| Temperature Kelvin, tk | Temperature Fahrenheit, tf | $F = 1.8tk - 459.67$ |

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ACNAL INDUSTRIES PVT LTD.,

No. 66/2, Athipalayam Road, Chinnavedampatti, Coimbatore - 641 049, INDIA
Phone : +91 84894 22000, E-mail : sales@genvikpumps.com
website : www.genvikpumps.com