

# **SPEED**

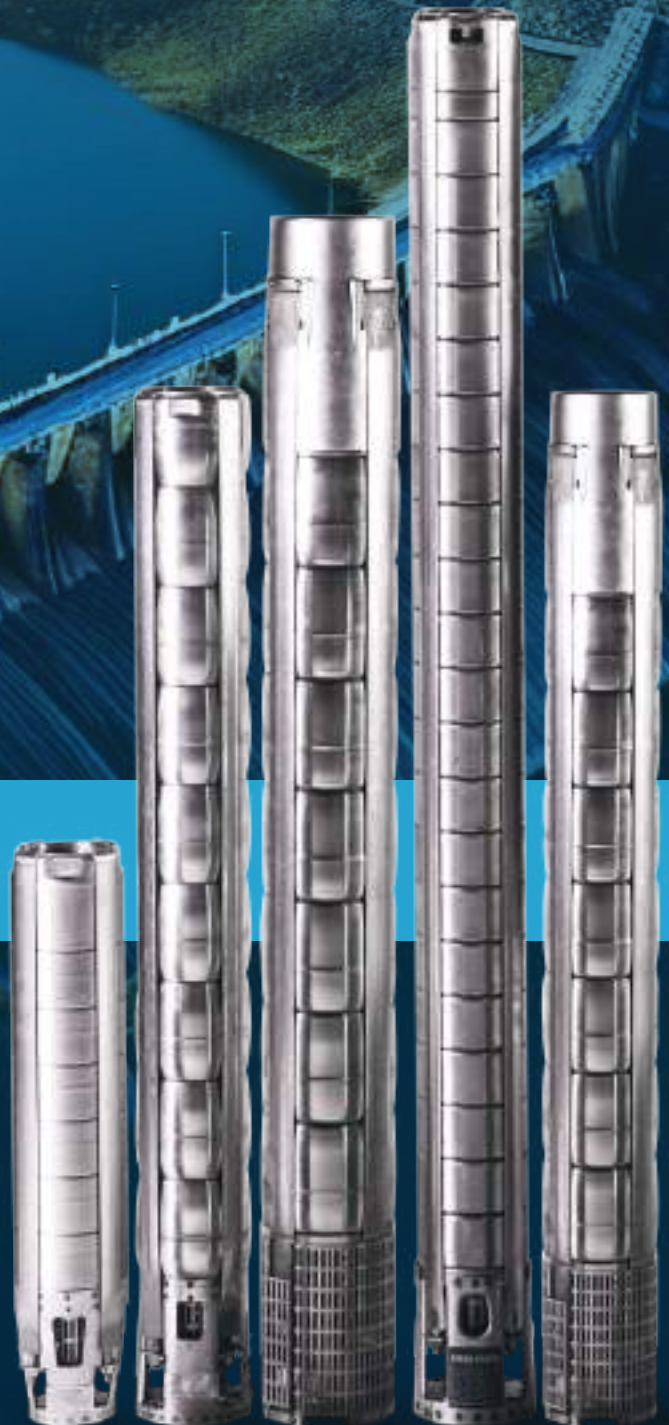
**PROFESSIONAL PERFORMANCE**

## **A SERIES**

### **4" 6" 8" 10"**

**STAINLESS STEEL  
SUBMERSIBLE PUMPS**

**50 HZ**



# Speed A Series

## A Series 4", 6", 8", 10" Stainless Steel Submersible Pumps

A4", 6", 8" and 10" submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state-of-the-art technology. The A series of pumps are manufactured to the highest standards for energy efficiency, dependable performance, rugged construction and long service life for the most demanding applications.

## Index

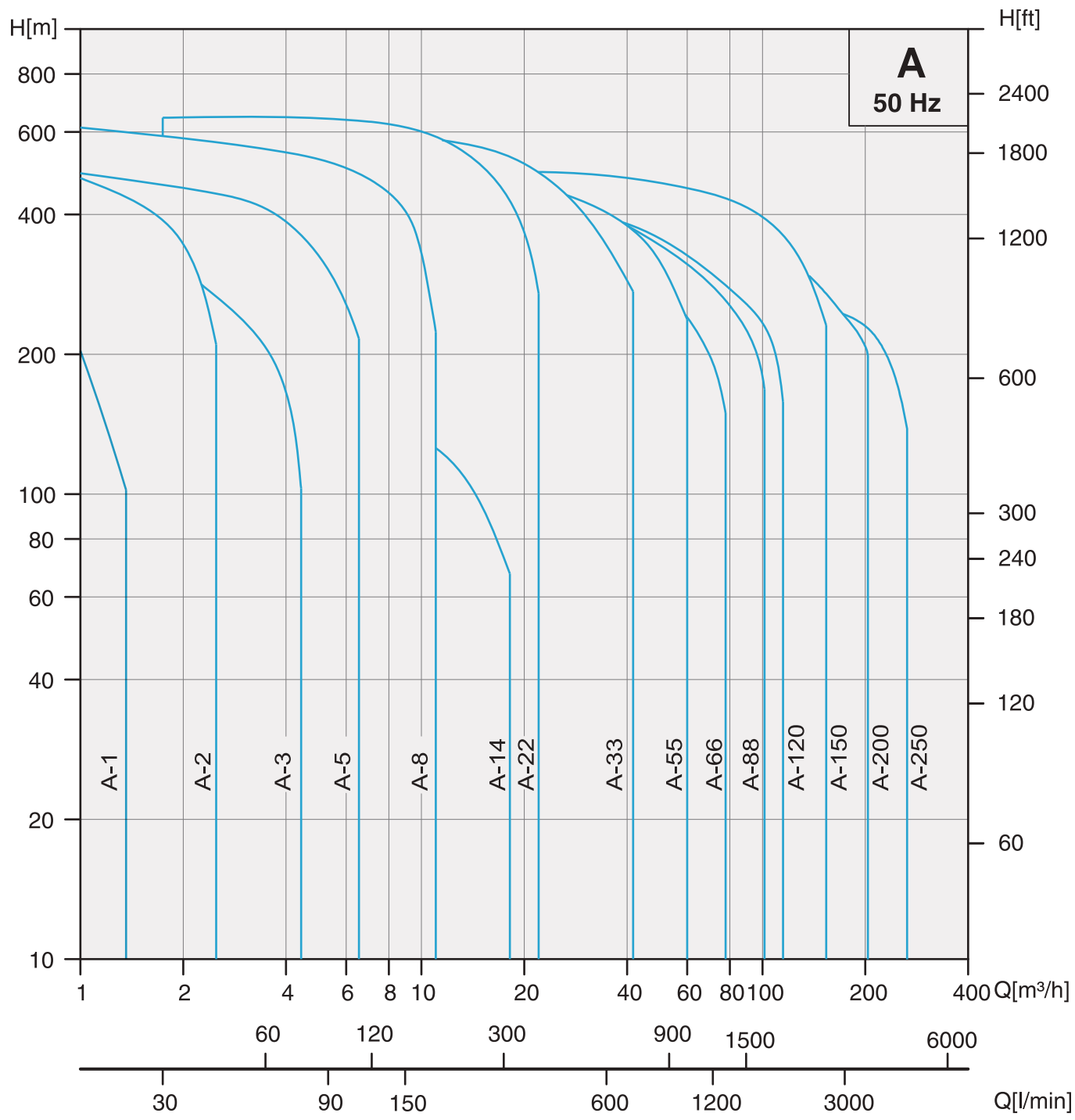
|                                          |    |
|------------------------------------------|----|
| <b>General Data</b>                      |    |
| Performance Range                        | 2  |
| Material Specification                   | 3  |
| 4" Submersible Pumps                     | 7  |
| 6" Submersible Pumps                     | 8  |
| 8" Submersible Pumps                     | 9  |
| 10" Submersible Pumps                    | 10 |
| <b>Performance Curves/Technical Data</b> |    |
| Series A1                                | 11 |
| Series A2                                | 13 |
| Series A3                                | 15 |
| Series A5                                | 17 |
| Series A8                                | 19 |
| Series A14                               | 21 |
| Series A22                               | 23 |
| Series A33                               | 25 |
| Series A55                               | 27 |
| Series A66                               | 29 |
| Series A88                               | 31 |
| Series A120                              | 33 |
| Series A150                              | 35 |
| Series A200                              | 37 |
| Series A250                              | 39 |

“  
**SERIES A**  
**4" 6" 8" 10"**



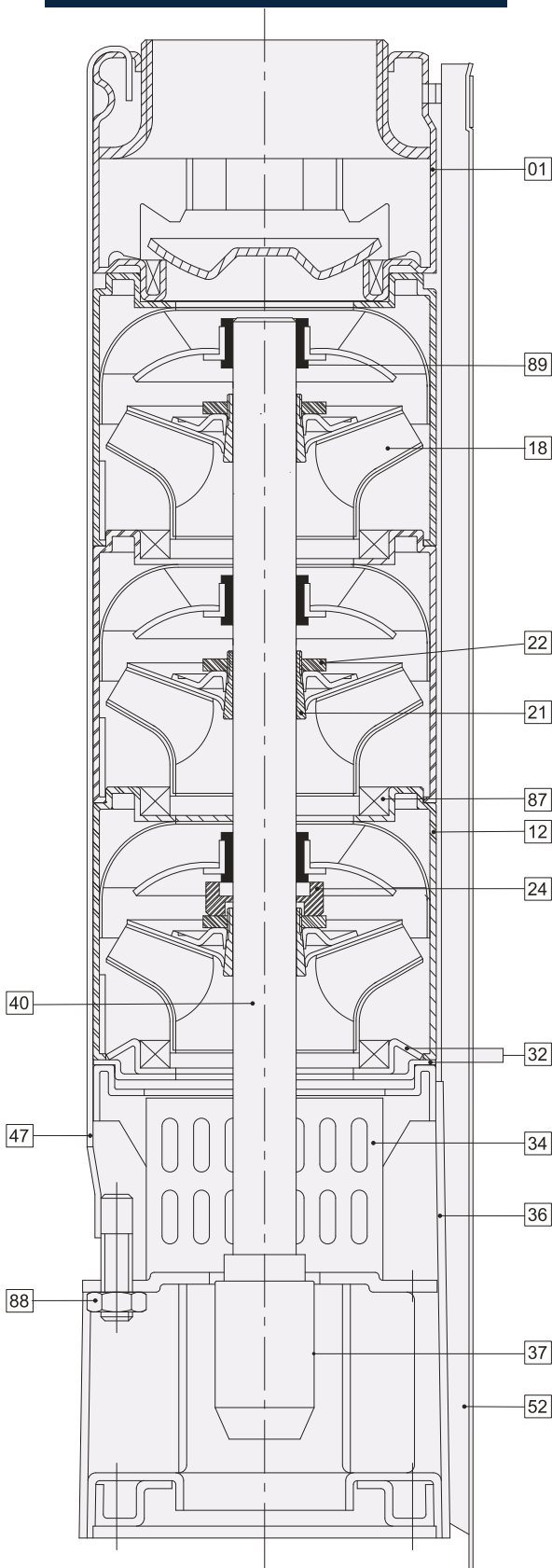
# General Data

## Performance range



# General Data

## Example: A-14



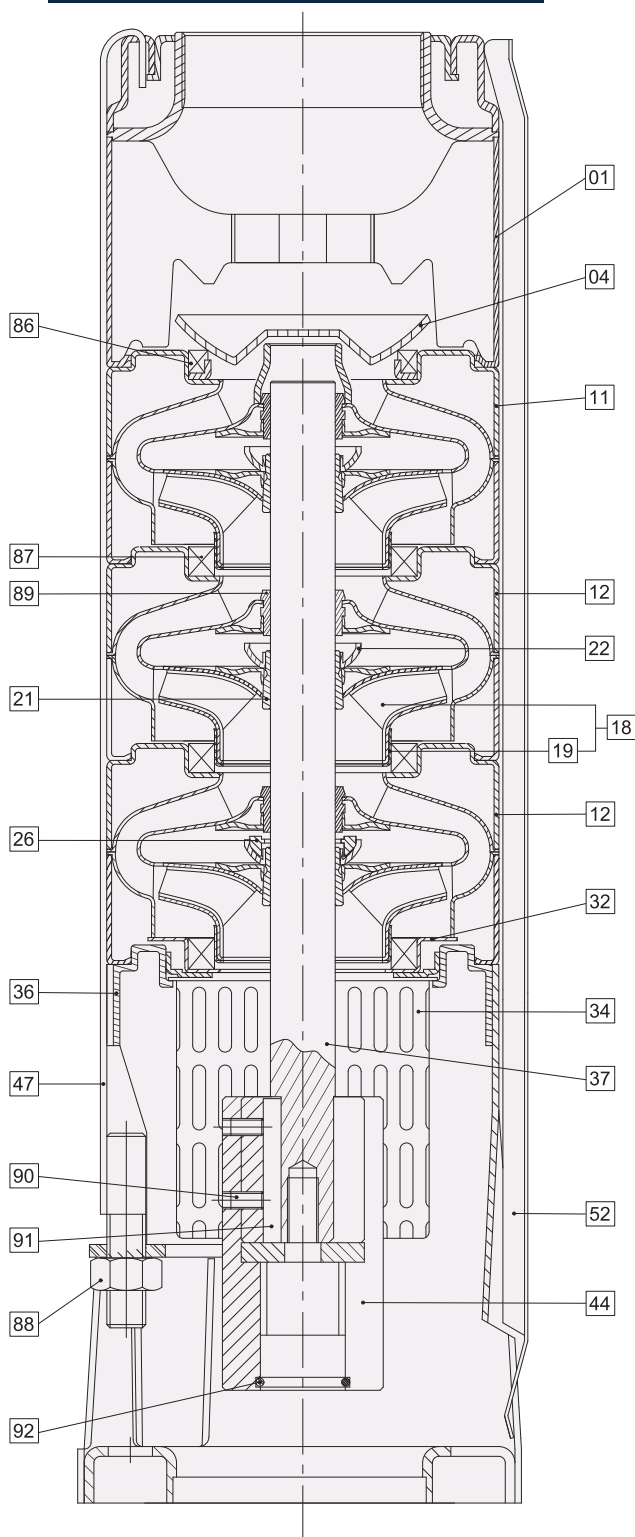
## Material Specification-4" Pumps

| Pos. | Components             | Standard                 |
|------|------------------------|--------------------------|
| 01   | Discharge              | SUS304 / SUS316          |
| 12   | Diffuser               | SUS304 / SUS316          |
| 18   | Impeller               | SUS304 / SUS316          |
| 21   | Split Cone             | SUS304 / SUS316          |
| 22   | Split Cone Nut         | SUS304 / SUS316          |
| 24   | Stop Ring              | Carbon+Graphite+PTFE     |
| 32   | Neck Ring Retainer     | SUS304 / SUS316          |
| 34   | Strainer               | SUS304 / SUS316          |
| 36   | Suction Interconnector | SUS304 / SUS316          |
| 37   | Coupling               | SUS304 / SUS316          |
| 40   | Pump Shaft             | SUS304 / SUS431 / SUS316 |
| 47   | Strap                  | SUS304 / SUS316          |
| 52   | Cable Guard            | SUS304 / SUS316          |
| 87   | Neck Ring              | SUS304+NBR / SUS316+NBR  |
| 88   | Nut                    | SUS304 / SUS316          |
| 89   | Bearing                | NBR                      |

\*AISI 316 stainless steel pumps are available on request.

# General Data

## Example: A-22



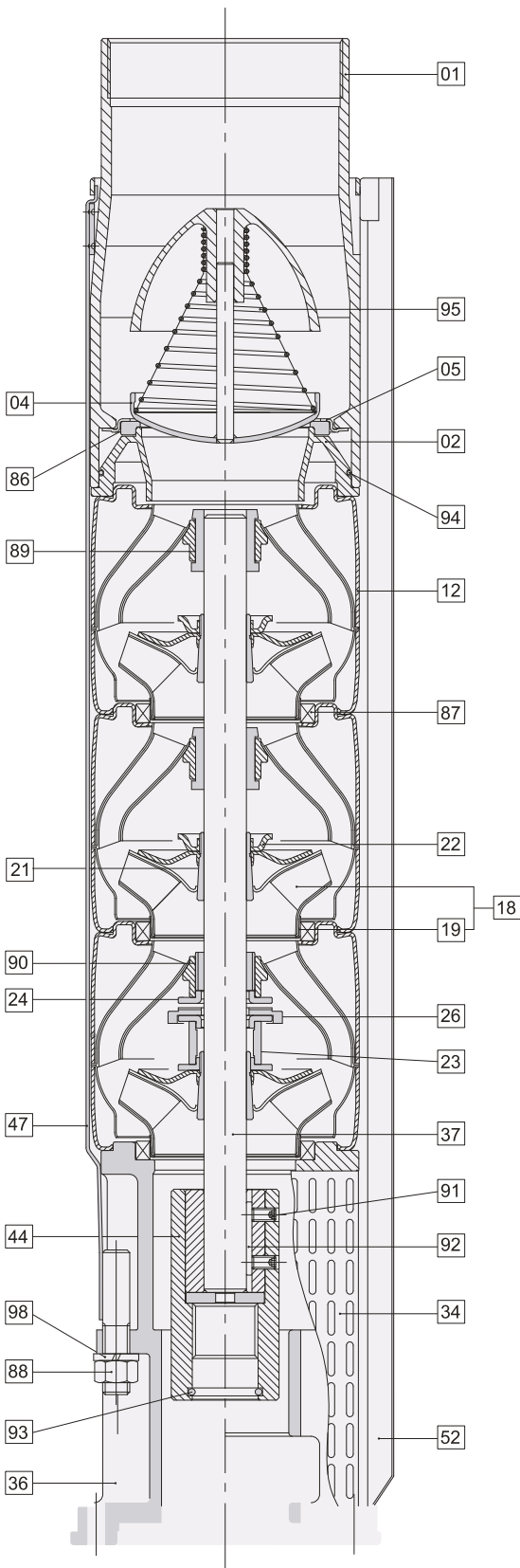
## Material Specification-6" Pumps

| Pos. | Components                   | Standard                |
|------|------------------------------|-------------------------|
| 01   | Discharge                    | SUS304 / SUS316         |
| 04   | Valve Cone                   | SUS304 / SUS316         |
| 11   | Top Diffuser                 | SUS304 / SUS316         |
| 12   | Diffuser                     | SUS304 / SUS316         |
| 18   | Impeller                     | SUS304 / SUS316         |
| 19   | Ring of Impeller             | SUS304 / SUS316         |
| 21   | Split Cone                   | SUS304 / SUS316         |
| 22   | Split Cone Nut               | SUS304 / SUS316         |
| 26   | Spacing Washer For Stop Ring | Carbon+Graphite+PTFE    |
| 32   | Neck Ring Retainer           | SUS304 / SUS316         |
| 34   | Strainer                     | SUS304 / SUS316         |
| 36   | Suction Interconnector       | SUS304 / SUS316         |
| 37   | Pump Shaft                   | SUS431 / SUS316         |
| 44   | Coupling                     | SUS431 / SUS316         |
| 47   | Strap                        | SUS304 / SUS316         |
| 52   | Cable Guard                  | SUS304 / SUS316         |
| 86   | Valve Seat                   | SUS304+NBR / SUS316+NBR |
| 87   | Neck Ring                    | SUS304+NBR / SUS316+NBR |
| 88   | Nut                          | SUS304 / SUS316         |
| 89   | Bearing                      | NBR                     |
| 90   | Screw                        | SUS304 / SUS316         |
| 91   | Key                          | SUS304 / SUS316         |
| 92   | O-ring                       | NBR                     |

\*AISI 316 stainless steel pumps are available on request.

# General Data

## Example: A-120



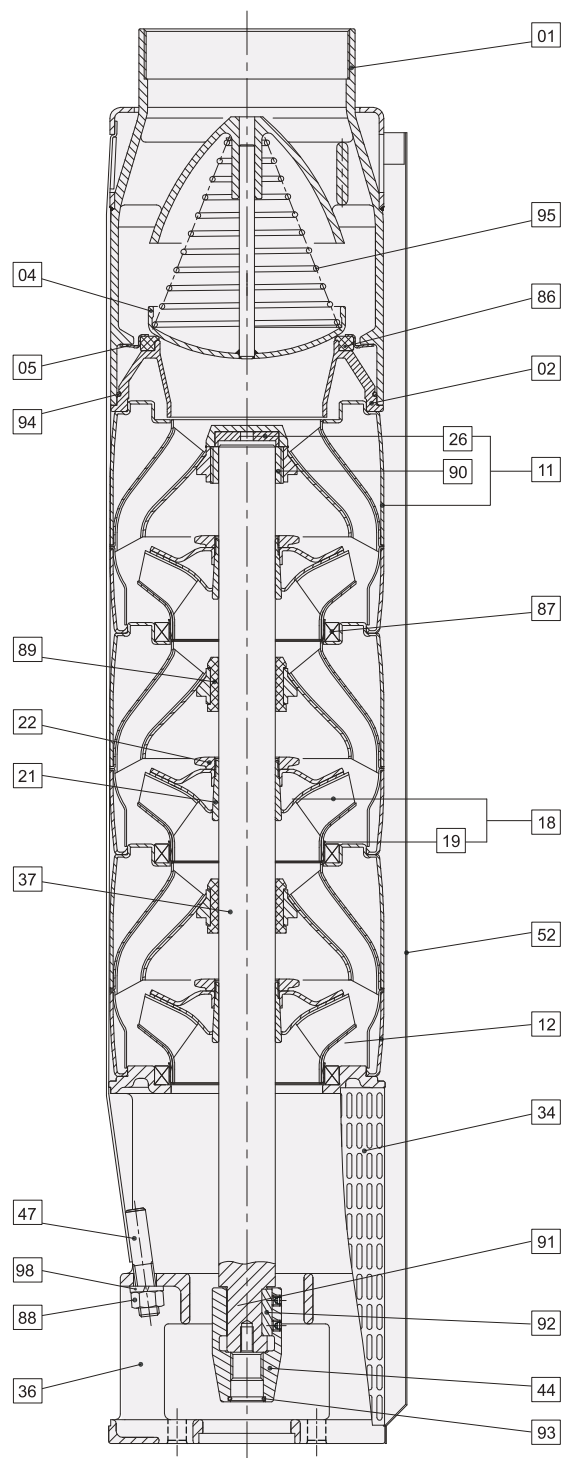
## Material Specification-8" Pumps

| Pos. | Components                   | Standard                |
|------|------------------------------|-------------------------|
| 01   | Discharge                    | SUS304 / SUS316         |
| 02   | Lower Valve Seat Retainer    | SUS304 / SUS316         |
| 04   | Valve Cup                    | SUS304 / SUS316         |
| 05   | Upper Valve Seat Retainer    | SUS304 / SUS316         |
| 12   | Diffuser                     | SUS304 / SUS316         |
| 18   | Impeller                     | SUS304 / SUS316         |
| 19   | Ring Of Impeller             | SUS304 / SUS316         |
| 21   | Split Cone                   | SUS304 / SUS316         |
| 22   | Split Cone Nut               | SUS304 / SUS316         |
| 23   | Nut For Stop Ring            | SUS304 / SUS316         |
| 24   | Stop Ring                    | SUS304 / SUS316         |
| 26   | Spacing Washer For Stop Ring | Carbon+Graphite+PTFE    |
| 28   | Bottom Diffuser              | SUS304 / SUS316         |
| 34   | Strainer                     | SUS304 / SUS316         |
| 36   | Suction Interconnector       | SUS304 / SUS316         |
| 37   | Pump Shaft                   | SUS431 / SUS316         |
| 44   | Coupling                     | SUS304 / SUS316         |
| 47   | Strap                        | SUS304 / SUS316         |
| 52   | Cable Guard                  | SUS304 / SUS316         |
| 86   | Valve Seat                   | NBR                     |
| 87   | Neck Ring                    | SUS304+NBR / SUS316+NBR |
| 88   | Nut                          | SUS304 / SUS316         |
| 89   | Bearing                      | NBR                     |
| 90   | Bearing                      | SUS304+NBR / SUS316+NBR |
| 91   | Screw                        | SUS304 / SUS316         |
| 92   | Key                          | SUS304 / SUS316         |
| 93   | O-ring                       | NBR                     |
| 94   | O-ring                       | NBR                     |
| 95   | Spring                       | SUS304 / SUS316         |
| 98   | Spring Washer                | SUS304 / SUS316         |

\*AISI 316 stainless steel pumps are available on request.

# General Data

## Example: A-250



## Material Specification-10" Pumps

| Pos. | Components                   | Standard                  |
|------|------------------------------|---------------------------|
| 01   | Discharge                    | SUS304 / SUS316           |
| 02   | Lower Valve Seat Retainer    | SUS304 / SUS316           |
| 04   | Valve Cup                    | SUS304 / SUS316           |
| 05   | Upper Valve Seat Retainer    | SUS304 / SUS316           |
| 11   | Upper Diffuser               | SUS304 / SUS316           |
| +26  | Spacing Washer For Stop Ring | Carbon Fiber+MoS2+PTFE    |
| +90  | Upper Bearing                | SUS304+NBR60 / SUS316+NBR |
| 12   | Diffuser                     | SUS304 / SUS316           |
| 18   | Impeller                     | SUS304 / SUS316           |
| 18   | Impeller - A                 | SUS304 / SUS316           |
| +19  | Ring Of Impeller             | SUS304 / SUS316           |
| 21   | Split Cone                   | SUS304 / SUS316           |
| 22   | Split Cone Nut               | SUS304 / SUS316           |
| 34   | Strainer - one lead          | SUS304 / SUS316           |
| 34   | Strainer - two leads         | SUS304 / SUS316           |
| 36   | Suction Interconnector - 6"  | SUS304 / SUS316           |
| 36   | Suction Interconnector - 8"  | SUS304 / SUS316           |
| 37   | Shaft                        | SUS431 / SUS316           |
| 44   | Coupling - 6"                | SUS304 / SUS316           |
| 44   | Coupling - 8"                | SUS304 / SUS316           |
| 47   | Strap                        | SUS304 / SUS316           |
| 52   | Cable Guard                  | SUS304 / SUS316           |
| 86   | Valve Seat                   | NBR70                     |
| 87   | Neck Ring                    | PPS+NBR                   |
| 88   | Nut                          | SUS304 / SUS316           |
| 89   | Bearing                      | NBR70                     |
| 91   | Screw - 6"                   | SUS304 / SUS316           |
| 91   | Screw - 8"                   | SUS304 / SUS316           |
| 92   | Key - 6"                     | SUS304 / SUS316           |
| 92   | Key - 8"                     | SUS304 / SUS316           |
| 93   | O-ring - 6"                  | NBR70                     |
| 93   | O-ring - 8"                  | NBR70                     |
| 94   | O-ring                       | NBR70                     |
| 95   | Spring                       | SUS304 / SUS316           |
| 98   | Spring Washer                | SUS304 / SUS316           |

\*AISI 316 stainless steel pumps are available on request.

# General Data

## 4" Stainless Steel Submersible Pumps

SPEED A 4" range of submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state of the art technology. The A 4" pumps are manufactured to the highest standards of highly efficient hydraulic impeller and diffuser design to reach high energy efficiency, dependable performance, rugged construction and long service life, even in difficult environments.

### Applications

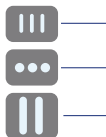
- ◆ Potable water supply
- ◆ Agricultural irrigation and livestock watering
- ◆ Municipal and industrial water supply
- ◆ Pressure boosting
- ◆ Mining applications
- ◆ Groundwater lowering
- ◆ Fountain

### Pumped Liquids

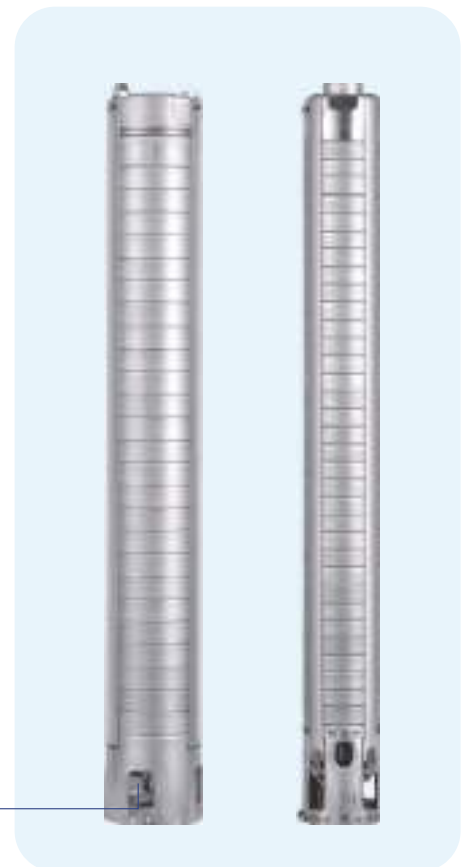
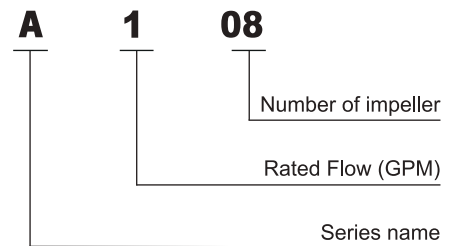
- ◆ Clean, thin, non-aggressive and non-corrosive liquids without solid particles or fibers.

### Operating Conditions

- ◆ Capacity ( m<sup>3</sup>/h ) min 0.3 max 18
- ◆ Total Head: Max. 625 m
- ◆ Max. ambient temperature (Liquid): 30°C
- ◆ Sand content: Max. 50 g/m<sup>3</sup>
- ◆ Screen size of each hole:
  - 5 x 1 mm ( A 5~10 )
  - Ø2.5 mm ( A 18~25 )
  - 20 x 4 mm ( A 40~70 )



## Model code



### Features

- ◆ Stainless steel construction designed and built for years of trouble free operation
- ◆ Designed and built to operate in difficult conditions.
- ◆ All metal parts are made of 304 or 316 stainless steel, except for the shafts, which are made of 431, 304 or 316 stainless steel.
- ◆ Heavy duty stainless steel discharge head with built-in check valve for preventing back flow in connection with pump stoppage and the risk of destructive water hammer is reduced to a minimum.
- ◆ Smooth safety hook.
- ◆ NEMA standard of bracket mounting.
- ◆ High quality shaft bearings provide low friction and high wear resistance.
- ◆ The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up. The stop ring, which is designed as a thrust bearing, limits axial movements of the pump shaft.
- ◆ Stainless steel strainer to restrict the entry of sand and other extraneous material.

# General Data

## 6" Stainless Steel Submersible Pumps

SPEED A 6" range of submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state of the art technology. The A 6" pumps are manufactured to the highest standards of highly efficient hydraulic impeller and diffuser design to reach high energy efficiency, dependable performance, rugged construction and long service life, even in difficult environments.

### Applications

- ◆ Potable water supply
- ◆ Agricultural irrigation and livestock watering
- ◆ Municipal and industrial water supply
- ◆ Pressure boosting
- ◆ Mining applications
- ◆ Groundwater lowering
- ◆ Fountain

### Pumped Liquids

- ◆ Clean, thin, non-aggressive and non-corrosive liquids without solid particles or fibers.

### Operating Conditions

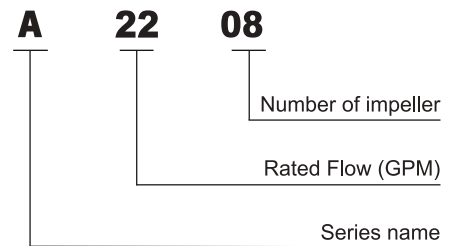
- ◆ Capacity ( m<sup>3</sup>/h ) min 3 max 78
- ◆ Total Head: Max. 648 m
- ◆ Max. ambient temperature (Liquid): 30 °C
- ◆ Sand content: Max. 50 g/m<sup>3</sup>
- ◆ Screen size of each hole: 20 x 4 mm



### Features

- ◆ Stainless steel construction designed and built for years of trouble free operation
- ◆ Designed and built to operate in difficult conditions.
- ◆ All metal parts are made of 304 or 316 stainless steel, except for the shafts, which are made of 431 or 316 stainless steel.
- ◆ Heavy duty stainless steel discharge head with built-in check valve for preventing back flow in connection with pump stoppage and the risk of destructive water hammer is reduced to a minimum.
- ◆ NEMA standard of bracket mounting.
- ◆ High quality shaft bearings provide low friction and high wear resistance.
- ◆ The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up. The stop ring, which is designed as a thrust bearing, limits axial movements of the pump shaft.
- ◆ Stainless steel strainer to restrict the entry of sand and other extraneous material.

## Model code



# General Data

## 8" Stainless Steel Submersible Pumps

SPEED A 8" range of submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state of the art technology, which is also for heavy duty and high volume pumping application. The A 8" pumps are manufactured to the highest standards of highly efficient hydraulic impeller and diffuser design to reach high energy efficiency, dependable performance, rugged construction and long service life, even in difficult environments.

### Applications

- ◆ Potable water supply
- ◆ Agricultural irrigation and livestock watering
- ◆ Municipal and industrial water supply
- ◆ Pressure boosting
- ◆ Mining applications
- ◆ Groundwater lowering
- ◆ Fountain

### Pumped Liquids

- ◆ Clean, thin, non-aggressive and non-corrosive liquids without solid particles or fibers.

### Operating Conditions

- ◆ Capacity ( m<sup>3</sup>/h ) min 12 max 120
- ◆ Total Head: Max. 441 m
- ◆ Max. ambient temperature (Liquid): 30 °C
- ◆ Sand content: Max. 50 g/m<sup>3</sup>

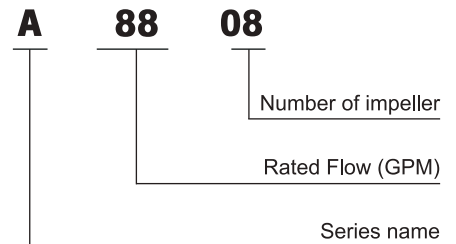
Screen size of each hole: 20 x 4 mm



### Features

- ◆ Stainless steel construction designed and built for years of trouble free operation
- ◆ Designed and built to operate in difficult conditions.
- ◆ All metal parts are made of 304 or 316 stainless steel, except for the shafts, which are made of 431 or 316 stainless steel.
- ◆ Heavy duty stainless steel discharge head with built-in check valve for preventing back flow in connection with pump stoppage and the risk of destructive water hammer is reduced to a minimum.
- ◆ NEMA standard of bracket mounting.
- ◆ High quality shaft bearings provide low friction and high wear resistance.
- ◆ The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up. The stop ring, which is designed as a thrust bearing, limits axial movements of the pump shaft.
- ◆ Stainless steel strainer to restrict the entry of sand and other extraneous material.

## Model code



# General Data

## 10" Stainless Steel Submersible Pumps

**SPEED** A 10" range of submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state of the art technology, which is also for heavy duty and high volume pumping application. The A 10" pumps are manufactured to the highest standards of highly efficient hydraulic impeller and diffuser design to reach high energy efficiency, dependable performance, rugged construction and long service life, even in difficult environments.

### Applications

- ◆ Potable water supply
- ◆ Agricultural irrigation and livestock watering
- ◆ Municipal and industrial water supply
- ◆ Pressure boosting
- ◆ Mining applications
- ◆ Groundwater lowering
- ◆ Fountain

### Pumped Liquids

- ◆ Clean, thin, non-aggressive and non-corrosive liquids without solid particles or fibers.

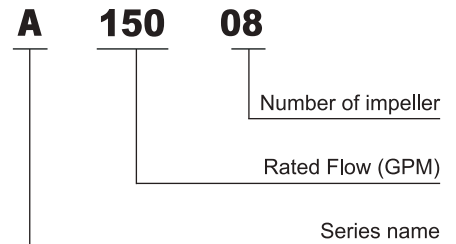
### Operating Conditions

- ◆ Capacity ( m<sup>3</sup>/h) min16 max280
- ◆ Total Head: Max. 502m
- ◆ Max. ambient temperature (Liquid): 30 °C
- ◆ Sand content: Max. 50 g/m<sup>3</sup>

Screen size of each hole: 20 x 4 mm



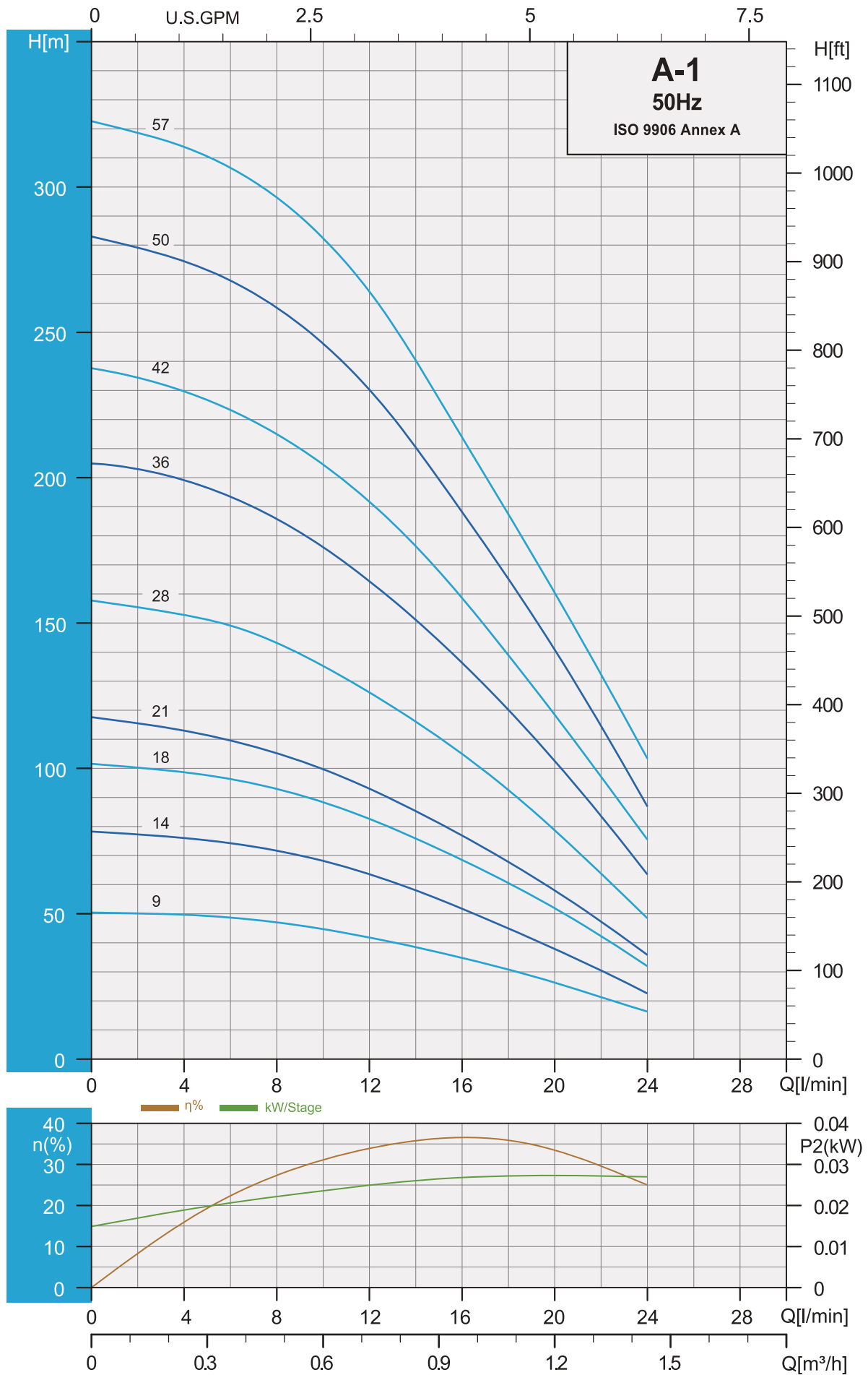
## Model code



### Features

- ◆ Stainless steel construction designed and built for years of trouble free operation
- ◆ Designed and built to operate in difficult conditions.
- ◆ All metal parts are made of 304 or 316 stainless steel, except for the shafts, which are made of 431 or 316 stainless steel.
- ◆ Heavy duty stainless steel discharge head with built-in check valve for preventing back flow in connection with pump stoppage and the risk of destructive water hammer is reduced to a minimum.
- ◆ High quality shaft bearings provide low friction and high wear resistance.
- ◆ The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up. The stop ring, which is designed as a thrust bearing, limits axial movements of the pump shaft.
- ◆ Stainless steel strainer to restrict the entry of sand and other extraneous material.

## Performance Curves



## Selection Chart

**50Hz**

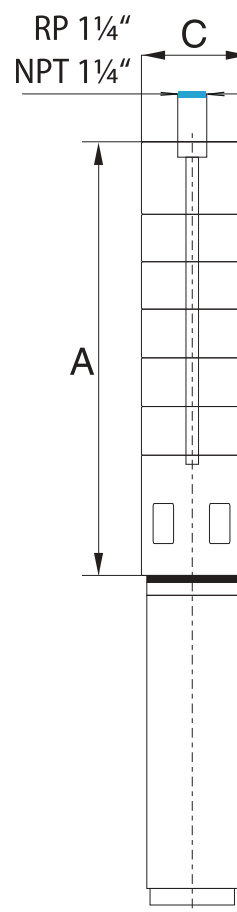
| Pump Type | Motor |      | Q capacity 2850 rpm |     |     |     |     |     |      |
|-----------|-------|------|---------------------|-----|-----|-----|-----|-----|------|
|           | P2    |      | l/min<br>m³/h       | 0   | 5   | 10  | 15  | 20  | 25   |
|           | KW    | HP   |                     | 0   | 0.3 | 0.6 | 0.9 | 1.2 | 1.5  |
| A 1-09    | 0.37  | 0.5  | HEAD IN METERS      | 50  | 47  | 45  | 36  | 26  | 14   |
| A 1-14    | 0.37  | 0.5  |                     | 78  | 75  | 68  | 55  | 38  | 21   |
| A 1-18    | 0.55  | 0.75 |                     | 102 | 97  | 88  | 72  | 52  | 27   |
| A 1-21    | 0.55  | 0.75 |                     | 118 | 111 | 100 | 81  | 58  | 30   |
| A 1-28    | 0.75  | 1    |                     | 158 | 151 | 138 | 111 | 79  | 42   |
| A 1-36    | 1.1   | 1.5  |                     | 205 | 196 | 175 | 144 | 103 | 54   |
| A 1-42    | 1.1   | 1.5  |                     | 238 | 227 | 203 | 168 | 118 | 67   |
| A 1-50    | 1.5   | 2    |                     | 283 | 271 | 246 | 199 | 140 | 72.5 |
| A 1-57    | 2     | 3    |                     | 322 | 310 | 282 | 227 | 160 | 88.5 |

\*Higher pressure , longer stages pumps up to 57 stages are available on request.

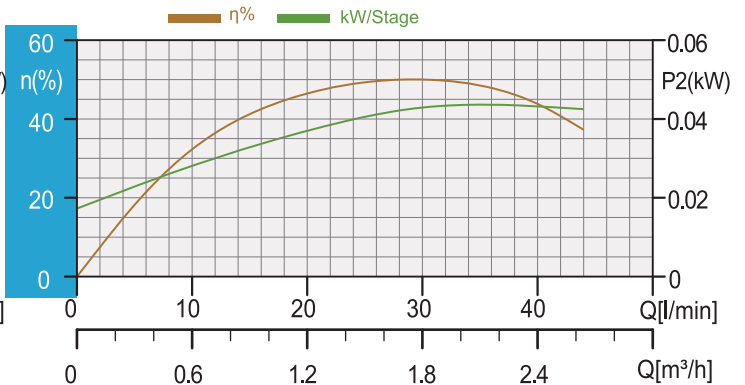
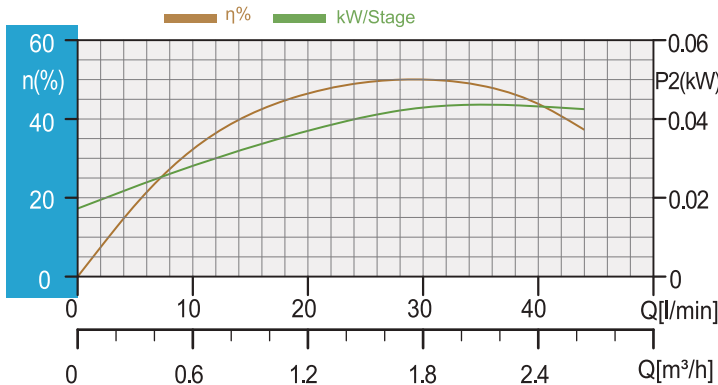
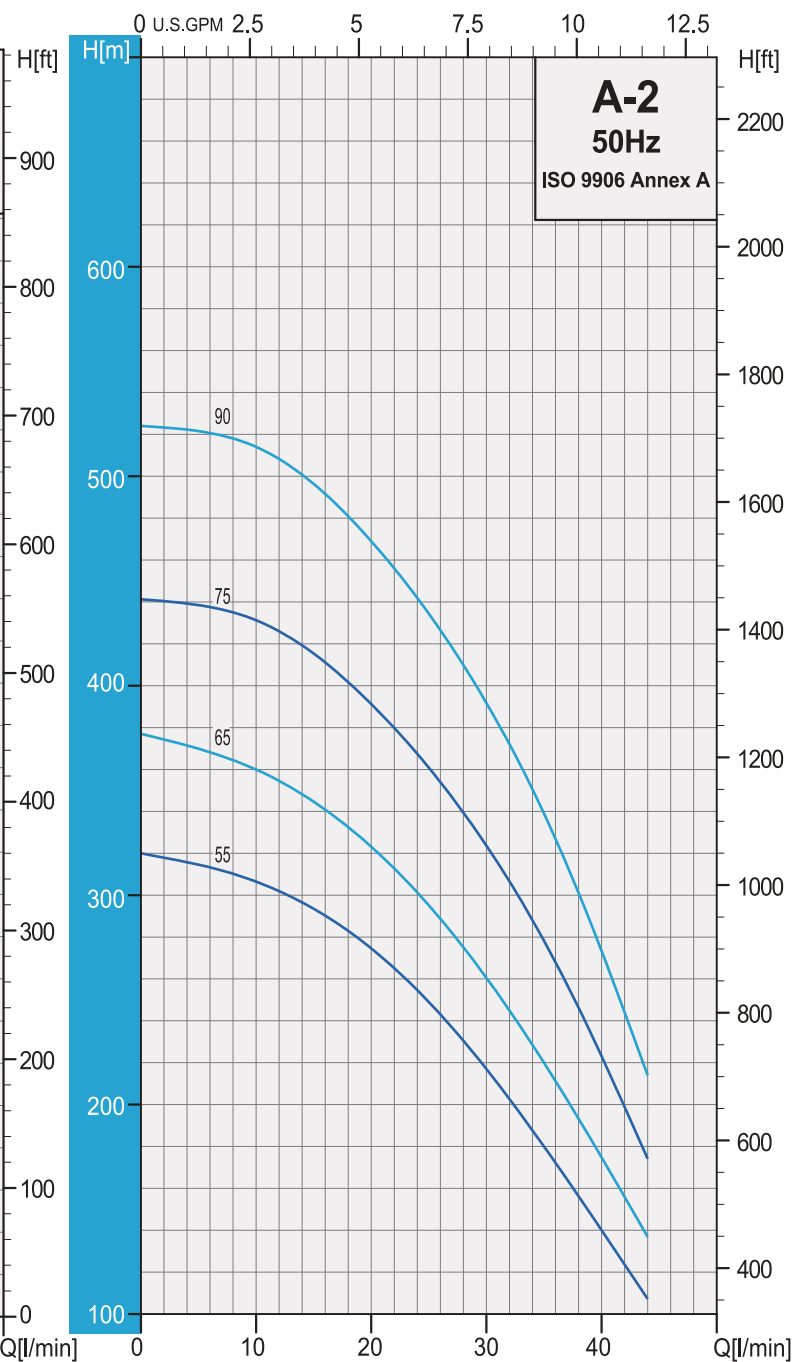
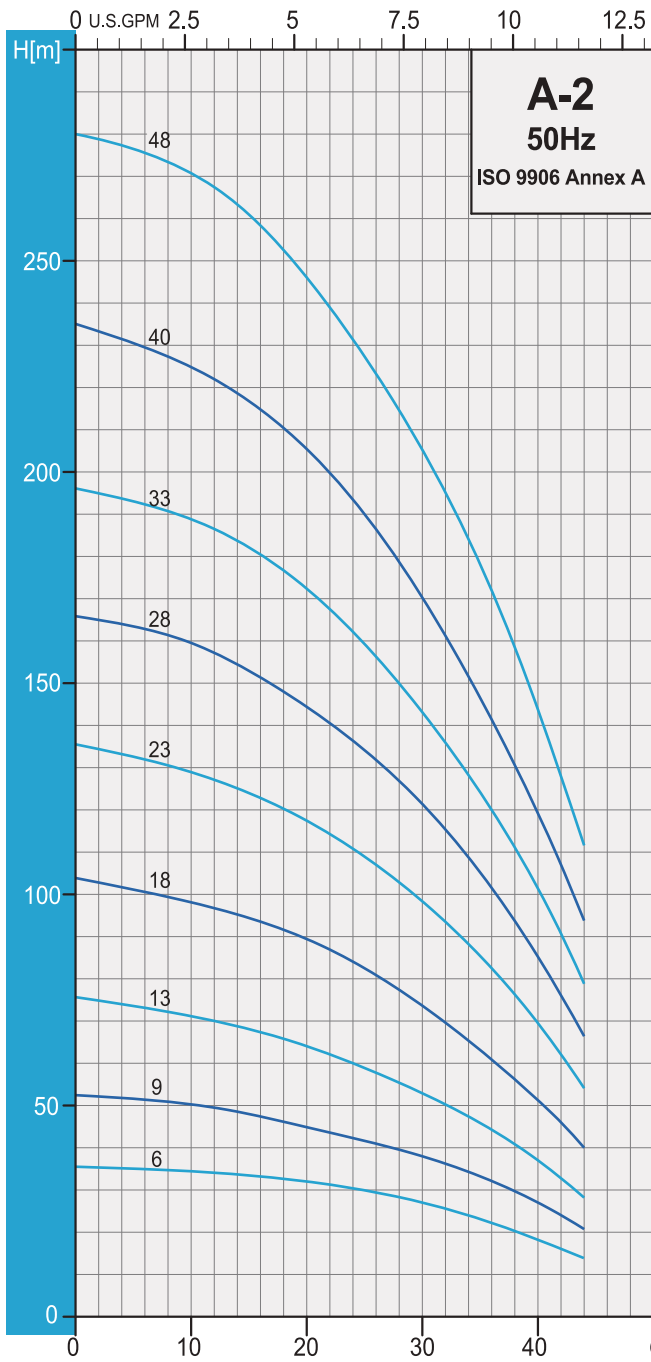
## Dimensions and weights

| Pump Type | Motor Dia. | Dimensions (mm) |    | Net Weight (Kg)<br>Pump |
|-----------|------------|-----------------|----|-------------------------|
|           |            | A               | C  |                         |
| A 1-09    | 4"         | 356             | 98 | 2.9                     |
| A 1-14    | 4"         | 461             | 98 | 3.7                     |
| A 1-18    | 4"         | 545             | 98 | 4.4                     |
| A 1-21    | 4"         | 608             | 98 | 5.0                     |
| A 1-28    | 4"         | 755             | 98 | 6.2                     |
| A 1-36    | 4"         | 946             | 98 | 9.9                     |
| A 1-42    | 4"         | 1072            | 98 | 11.3                    |
| A 1-50    | 4"         | 1240            | 98 | 13.2                    |
| A 1-57    | 4"         | 1387            | 98 | 14.8                    |

C=Maximum diameter of pump inclusive of cable guard and motor.



## Performance Curves



## Selection Chart

**50Hz**

| Pump Type | Motor |      | Q capacity 2850 rpm |     |     |     |     |     |     |     |
|-----------|-------|------|---------------------|-----|-----|-----|-----|-----|-----|-----|
|           | P2    |      | l/min<br>m³/h       | 0   | 15  | 20  | 25  | 30  | 35  | 40  |
|           | KW    | HP   |                     | 0   | 0.9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 |
| A 2-06    | 0.37  | 0.5  | HEAD IN METERS      | 36  | 34  | 32  | 30  | 27  | 23  | 18  |
| A 2-09    | 0.37  | 0.5  |                     | 52  | 48  | 45  | 42  | 38  | 33  | 27  |
| A 2-13    | 0.55  | 0.75 |                     | 76  | 68  | 64  | 59  | 53  | 46  | 37  |
| A 2-18    | 0.75  | 1    |                     | 104 | 94  | 89  | 82  | 74  | 63  | 51  |
| A 2-23    | 1.1   | 1.5  |                     | 136 | 124 | 117 | 109 | 98  | 85  | 69  |
| A 2-28    | 1.5   | 2    |                     | 166 | 153 | 144 | 134 | 121 | 105 | 85  |
| A 2-33    | 1.5   | 2    |                     | 196 | 182 | 172 | 159 | 143 | 124 | 101 |
| A 2-40    | 2.2   | 3    |                     | 235 | 217 | 205 | 190 | 170 | 147 | 119 |
| A 2-48    | 2.2   | 3    |                     | 280 | 261 | 246 | 227 | 205 | 178 | 144 |
| A 2-55    | 3     | 4    |                     | 320 | 293 | 275 | 249 | 217 | 180 | 140 |
| A 2-65    | 3     | 4    |                     | 377 | 345 | 323 | 294 | 260 | 220 | 175 |
| ▶ A 2-75  | 4     | 5.5  |                     | 441 | 415 | 391 | 360 | 324 | 278 | 223 |
| ▶ A 2-90  | 4     | 5.5  |                     | 524 | 496 | 469 | 434 | 392 | 339 | 273 |

\*Higher pressure , longer stages pumps up to 90 stages are available on request.

▶ With Sleeve .

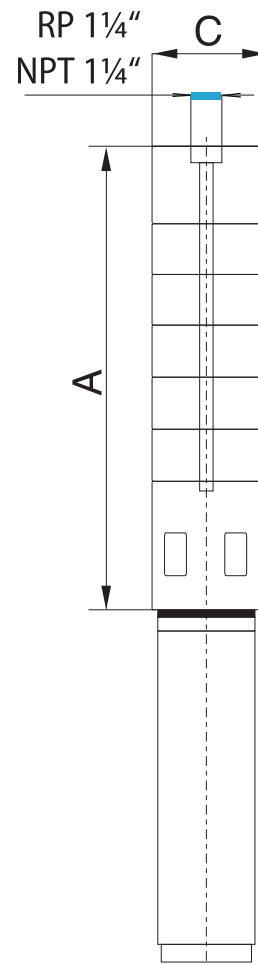
## Dimensions and weights

| Pump Type | Motor Dia. | Dimensions (mm) |     | Net Weight (Kg) |
|-----------|------------|-----------------|-----|-----------------|
|           |            | A               | C   |                 |
| A 2-06    | 4"         | 293             | 98  | 2.3             |
| A 2-09    | 4"         | 356             | 98  | 3.0             |
| A 2-13    | 4"         | 440             | 98  | 3.8             |
| A 2-18    | 4"         | 545             | 98  | 4.7             |
| A 2-23    | 4"         | 650             | 98  | 5.7             |
| A 2-28    | 4"         | 755             | 98  | 6.6             |
| A 2-33    | 4"         | 883             | 98  | 9.7             |
| A 2-40    | 4"         | 1030            | 98  | 11.5            |
| A 2-48    | 4"         | 1198            | 98  | 13.5            |
| A 2-55    | 4"         | 1345            | 98  | 15.3            |
| A 2-65    | 4"         | 1555            | 98  | 17.8            |
| ▶ A 2-75  | 4"         | 2123            | 133 | 40.1            |
| ▶ A 2-90  | 4"         | 2438            | 133 | 45.6            |

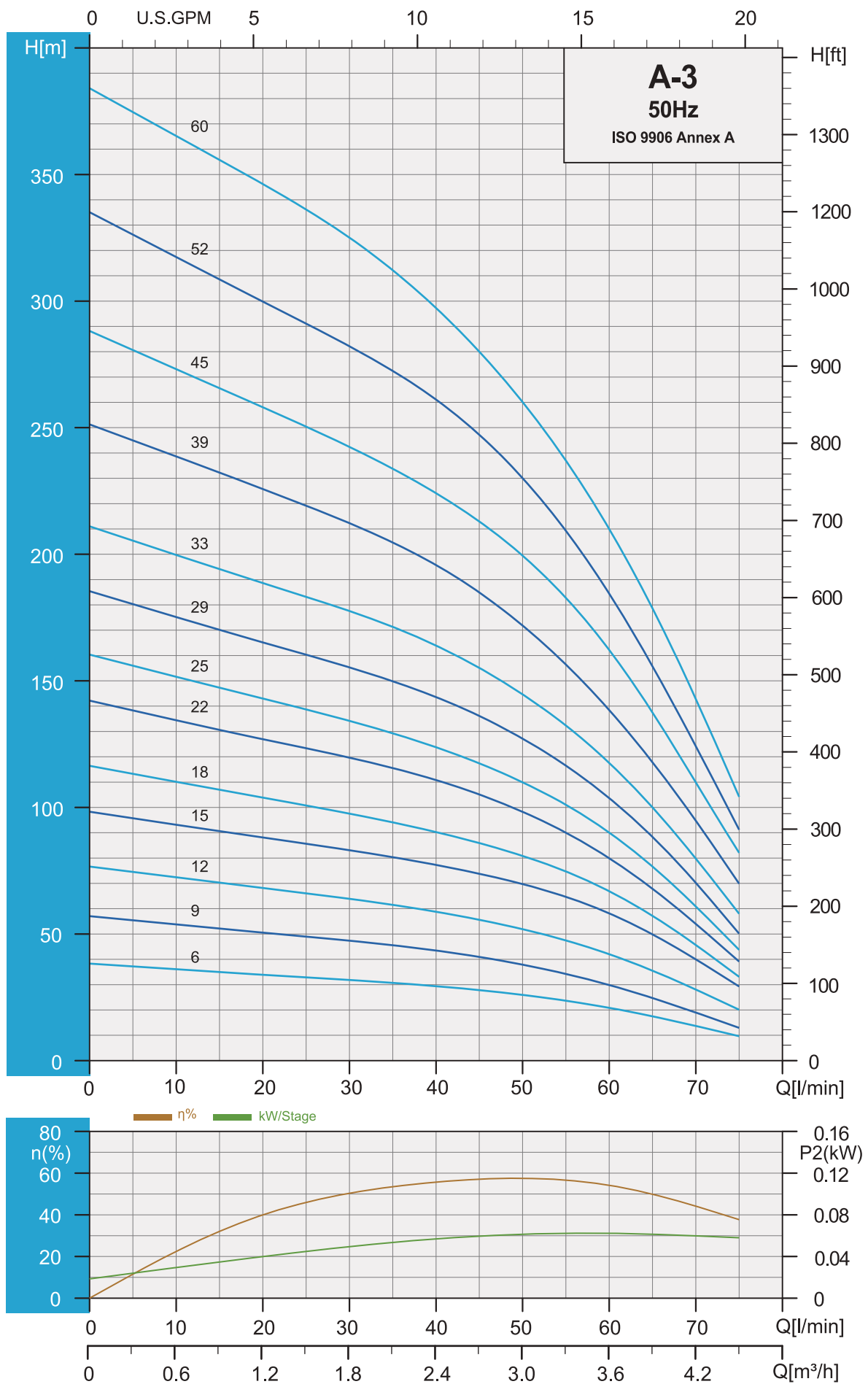
C=Max. diameter of pump inclusive of cable guard and motor.

A2-75 and A2-90 are mounted in sleeve for R 1 1/4 connection

▶ With Sleeve .



## Performance Curves



## Selection Chart

50Hz

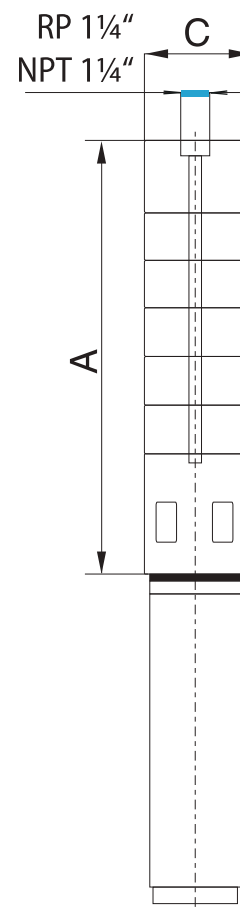
| Pump Type | Motor |      | Q capacity 2850 rpm |     |     |     |     |     |     |     |     |     |
|-----------|-------|------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|           | P2    |      | l/min<br>m³/h       | 0   | 25  | 30  | 35  | 40  | 45  | 50  | 60  | 70  |
|           | KW    | HP   |                     | 0   | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 | 3.6 | 4.2 |
| A 3-06    | 0.37  | 0.5  | HEAD IN METERS      | 38  | 33  | 32  | 31  | 30  | 28  | 26  | 21  | 14  |
| A 3-09    | 0.55  | 0.75 |                     | 57  | 49  | 47  | 46  | 43  | 41  | 38  | 30  | 19  |
| A 3-12    | 0.75  | 1    |                     | 77  | 66  | 64  | 62  | 58  | 56  | 52  | 42  | 28  |
| A 3-15    | 1.1   | 1.5  |                     | 97  | 85  | 83  | 80  | 77  | 74  | 69  | 57  | 40  |
| A 3-18    | 1.1   | 1.5  |                     | 116 | 101 | 97  | 94  | 90  | 85  | 80  | 67  | 45  |
| A 3-22    | 1.5   | 2    |                     | 142 | 123 | 120 | 115 | 110 | 105 | 98  | 80  | 54  |
| A 3-25    | 1.5   | 2    |                     | 160 | 139 | 134 | 129 | 123 | 117 | 110 | 90  | 61  |
| A 3-29    | 2.2   | 3    |                     | 185 | 160 | 155 | 150 | 143 | 136 | 127 | 103 | 70  |
| A 3-33    | 2.2   | 3    |                     | 211 | 183 | 177 | 171 | 164 | 155 | 145 | 118 | 80  |
| A 3-39    | 3     | 4    |                     | 251 | 219 | 212 | 205 | 196 | 185 | 172 | 138 | 95  |
| A 3-45    | 3     | 4    |                     | 288 | 250 | 242 | 234 | 224 | 213 | 199 | 162 | 110 |
| A 3-52    | 4     | 5.5  |                     | 334 | 291 | 282 | 272 | 261 | 247 | 230 | 184 | 124 |
| A 3-60    | 4     | 5.5  |                     | 384 | 336 | 325 | 312 | 297 | 280 | 260 | 210 | 143 |

\*Higher pressure , longer stages pumps up to 60 stages are available on request.

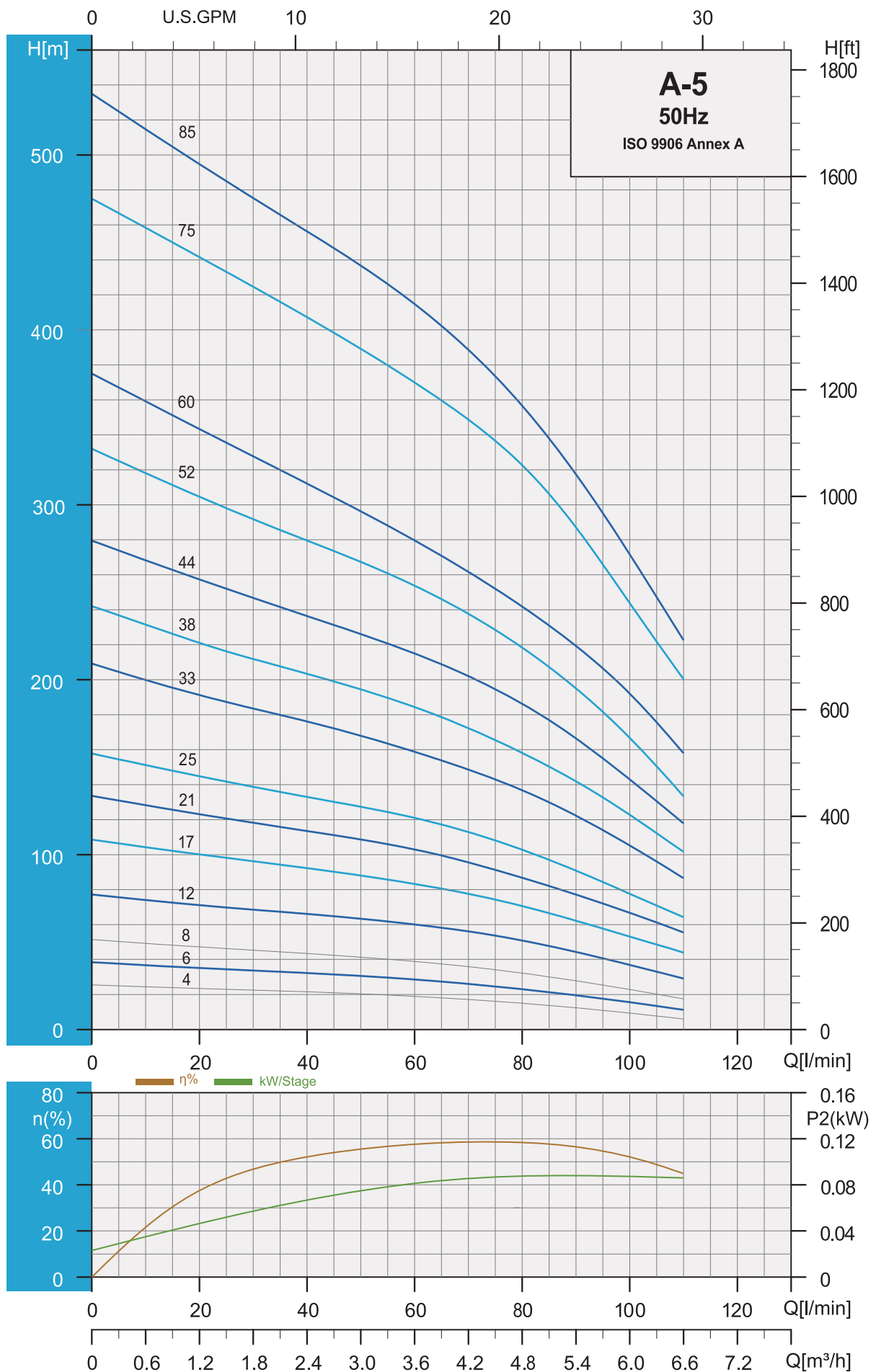
## Dimensions and weights

| Pump Type | Motor Dia. | Dimensions (mm) |    | Net Weight (Kg)<br>Pump |
|-----------|------------|-----------------|----|-------------------------|
|           |            | A               | C  |                         |
| A 3-06    | 4"         | 293             | 98 | 2.4                     |
| A 3-09    | 4"         | 356             | 98 | 3.0                     |
| A 3-12    | 4"         | 419             | 98 | 3.6                     |
| A 3-15    | 4"         | 482             | 98 | 4.2                     |
| A 3-18    | 4"         | 545             | 98 | 4.7                     |
| A 3-22    | 4"         | 629             | 98 | 5.5                     |
| A 3-25    | 4"         | 692             | 98 | 6.1                     |
| A 3-29    | 4"         | 776             | 98 | 6.8                     |
| A 3-33    | 4"         | 883             | 98 | 9.7                     |
| A 3-39    | 4"         | 1009            | 98 | 11.2                    |
| A 3-45    | 4"         | 1135            | 98 | 12.7                    |
| A 3-52    | 4"         | 1282            | 98 | 14.5                    |
| A 3-60    | 4"         | 1450            | 98 | 16.6                    |

C=Maximum diameter of pump inclusive of cable guard and motor.



## Performance Curves



## Selection Chart

50Hz

| Pump Type | Motor |      | Q capacity 2850 rpm |     |     |     |     |      |     |     |     |     |     |     |
|-----------|-------|------|---------------------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
|           | P2    |      | l/min<br>m³/h       | 0   | 30  | 35  | 40  | 45   | 50  | 60  | 70  | 80  | 90  | 100 |
|           | KW    | HP   |                     | 0   | 1.8 | 2.1 | 2.4 | 2.7  | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |
| A 5-04    | 0.37  | 0.5  | HEAD IN METERS      | 25  | 23  | 22  | 21  | 20.5 | 20  | 19  | 17  | 15  | 12  | 10  |
| A 5-06    | 0.55  | 0.75 |                     | 38  | 34  | 33  | 32  | 31   | 30  | 28  | 26  | 23  | 20  | 16  |
| A 5-08    | 0.75  | 1    |                     | 51  | 45  | 44  | 43  | 42   | 41  | 39  | 36  | 32  | 28  | 23  |
| A 5-12    | 1.1   | 1.5  |                     | 77  | 68  | 67  | 66  | 64   | 63  | 60  | 56  | 51  | 44  | 37  |
| A 5-17    | 1.5   | 2    |                     | 108 | 96  | 94  | 92  | 90   | 88  | 83  | 77  | 70  | 62  | 53  |
| A 5-21    | 2.2   | 3    |                     | 134 | 118 | 115 | 113 | 111  | 108 | 103 | 96  | 87  | 77  | 67  |
| A 5-25    | 2.2   | 3    |                     | 157 | 138 | 136 | 133 | 130  | 127 | 121 | 113 | 103 | 90  | 78  |
| A 5-33    | 3     | 4    |                     | 209 | 184 | 180 | 176 | 172  | 168 | 159 | 149 | 137 | 122 | 105 |
| A 5-38    | 4     | 5.5  |                     | 242 | 212 | 208 | 203 | 199  | 194 | 184 | 172 | 158 | 142 | 123 |
| A 5-44    | 4     | 5.5  |                     | 279 | 247 | 242 | 237 | 231  | 226 | 215 | 202 | 187 | 166 | 143 |
| A 5-52    | 5.5   | 7.5  |                     | 332 | 291 | 285 | 279 | 273  | 267 | 253 | 237 | 218 | 195 | 166 |
| A 5-60    | 5.5   | 7.5  |                     | 375 | 327 | 320 | 312 | 304  | 296 | 279 | 261 | 242 | 219 | 192 |
| A 5-75    | 7.5   | 10   |                     | 475 | 424 | 416 | 407 | 398  | 389 | 370 | 348 | 322 | 287 | 243 |
| A 5-85    | 7.5   | 10   |                     | 535 | 475 | 466 | 456 | 446  | 436 | 414 | 388 | 356 | 317 | 271 |

\*Higher pressure , longer stages pumps up to 85 stages are available on request.

► With Sleeve .

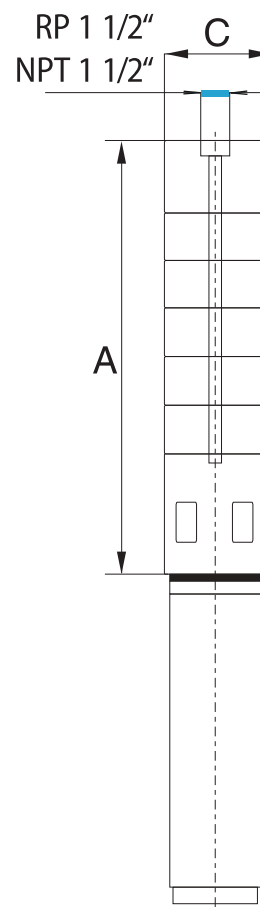
## Dimensions and weights

| Pump Type | Motor Dia. | Dimensions (mm) |     | Net Weight (Kg)<br>Pump |
|-----------|------------|-----------------|-----|-------------------------|
|           |            | A               | C   |                         |
| A 5-04    | 4"         | 251             | 98  | 2.0                     |
| A 5-06    | 4"         | 293             | 98  | 2.4                     |
| A 5-08    | 4"         | 335             | 98  | 2.8                     |
| A 5-12    | 4"         | 419             | 98  | 3.6                     |
| A 5-17    | 4"         | 524             | 98  | 4.5                     |
| A 5-21    | 4"         | 608             | 98  | 5.3                     |
| A 5-25    | 4"         | 692             | 98  | 6.0                     |
| A 5-33    | 4"         | 868             | 98  | 9.6                     |
| A 5-38    | 4"         | 973             | 98  | 10.9                    |
| A 5-44    | 4"         | 1099            | 98  | 12.4                    |
| A 5-52    | 4"         | 1267            | 98  | 14.4                    |
|           | 6"         | 1341            | 138 | 16.5                    |
| A 5-60    | 4"         | 1435            | 98  | 16.4                    |
|           | 6"         | 1509            | 138 | 18.5                    |
| A 5-75    | 6"         | 2171            | 140 | 41.5                    |
| A 5-85    | 6"         | 2335            | 140 | 45.5                    |

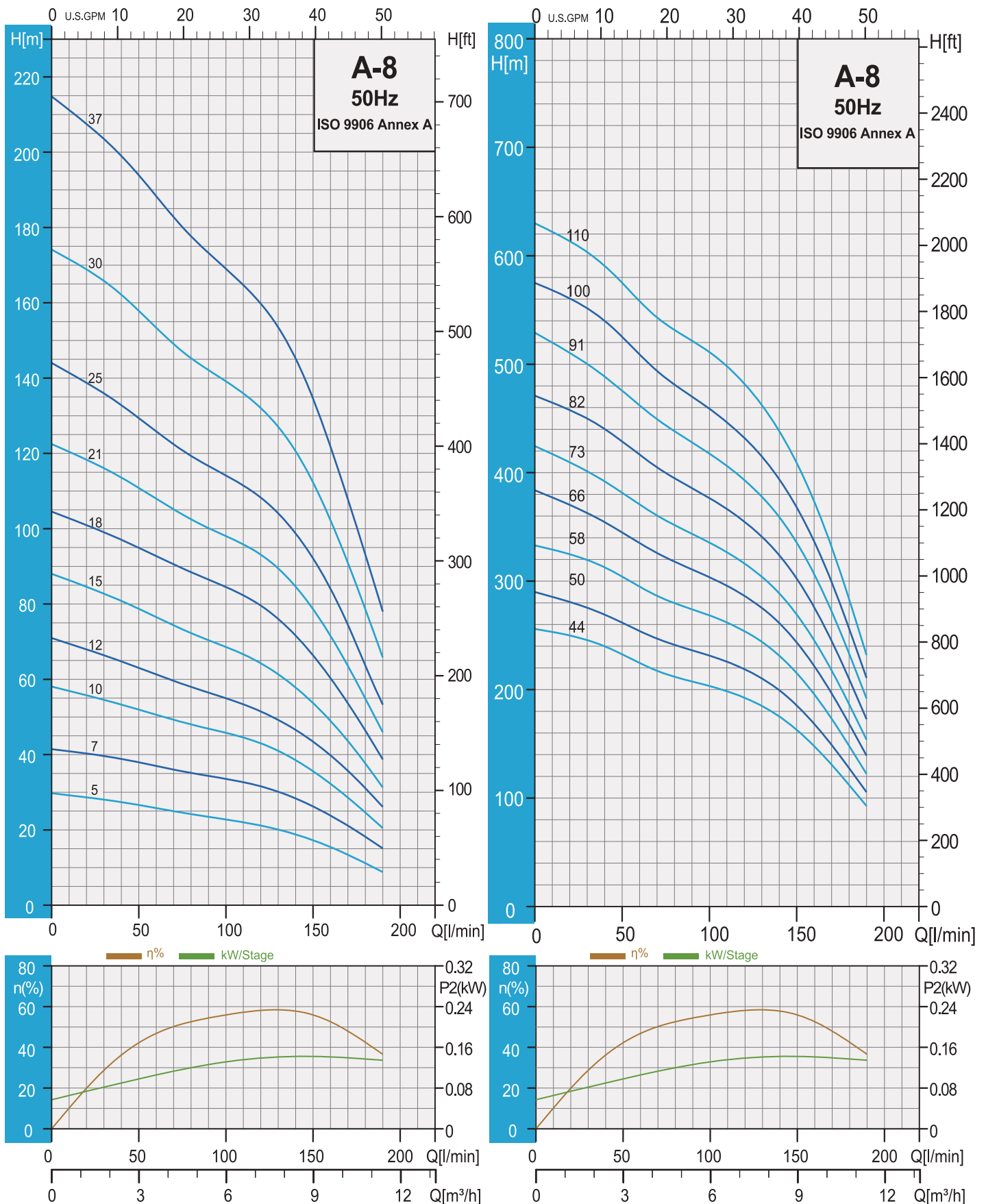
C= Maximum diameter of pump inclusive of cable guard and motor.

A5-75 and A5-85 are mounted in sleeve for R 1 1/2 connection

► With Sleeve .



## Performance Curves



# Selection Chart

50Hz

| Pump Type | Motor |     | Q capacity 2850 rpm |     |     |     |     |     |     |     |     |     |     |     |     |      |
|-----------|-------|-----|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|           | P2    |     | l/min<br>m³/h       | 0   | 40  | 45  | 50  | 60  | 70  | 80  | 90  | 100 | 120 | 140 | 160 | 180  |
|           | KW    | HP  |                     | 0   | 2.4 | 2.7 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 |
| A 8-05    | 0.75  | 1   | HEAD IN METERS      | 30  | 28  | 27  | 26  | 26  | 25  | 24  | 23  | 22  | 21  | 19  | 15  | 11   |
| A 8-07    | 1.1   | 1.5 |                     | 41  | 39  | 38  | 38  | 37  | 36  | 35  | 34  | 33  | 32  | 28  | 24  | 18   |
| A 8-10    | 1.5   | 2   |                     | 58  | 54  | 53  | 52  | 51  | 49  | 48  | 47  | 46  | 43  | 38  | 32  | 25   |
| A 8-12    | 2.2   | 3   |                     | 71  | 65  | 64  | 63  | 61  | 60  | 58  | 56  | 55  | 52  | 47  | 40  | 31   |
| A 8-15    | 2.2   | 3   |                     | 88  | 80  | 79  | 78  | 76  | 74  | 72  | 70  | 68  | 64  | 57  | 49  | 38   |
| A 8-18    | 3     | 4   |                     | 104 | 98  | 96  | 95  | 93  | 90  | 88  | 86  | 84  | 79  | 72  | 60  | 46   |
| A 8-21    | 4     | 5.5 |                     | 122 | 114 | 112 | 111 | 107 | 105 | 102 | 100 | 98  | 93  | 85  | 72  | 55   |
| A 8-25    | 4     | 5.5 |                     | 144 | 133 | 131 | 129 | 126 | 122 | 119 | 116 | 114 | 108 | 98  | 84  | 64   |
| A 8-30    | 5.5   | 7.5 |                     | 174 | 163 | 160 | 157 | 154 | 149 | 145 | 142 | 139 | 132 | 120 | 102 | 79   |
| A 8-37    | 5.5   | 7.5 |                     | 215 | 199 | 196 | 194 | 188 | 183 | 177 | 173 | 169 | 160 | 145 | 122 | 93   |
| A 8-44    | 7.5   | 10  |                     | 256 | 240 | 236 | 232 | 224 | 217 | 212 | 207 | 203 | 192 | 175 | 148 | 112  |
| A 8-50    | 7.5   | 10  |                     | 290 | 269 | 266 | 261 | 254 | 247 | 241 | 236 | 231 | 219 | 199 | 168 | 127  |
| A 8-58    | 11    | 15  |                     | 333 | 312 | 309 | 304 | 295 | 286 | 280 | 274 | 268 | 254 | 231 | 195 | 148  |
| A 8-66    | 11    | 15  |                     | 383 | 354 | 350 | 345 | 335 | 326 | 318 | 311 | 303 | 286 | 261 | 222 | 168  |
| A 8-73    | 11    | 15  |                     | 424 | 392 | 387 | 381 | 370 | 360 | 351 | 343 | 335 | 316 | 289 | 245 | 186  |
| A 8-82    | 15    | 20  |                     | 471 | 440 | 429 | 429 | 416 | 405 | 395 | 385 | 376 | 355 | 324 | 276 | 210  |
| A 8-91    | 15    | 20  |                     | 529 | 488 | 482 | 475 | 462 | 449 | 438 | 428 | 417 | 393 | 359 | 306 | 233  |
| A 8-100   | 18.5  | 25  |                     | 575 | 540 | 533 | 525 | 509 | 493 | 481 | 470 | 459 | 432 | 394 | 336 | 256  |
| A 8-110   | 18.5  | 25  |                     | 630 | 590 | 583 | 575 | 558 | 543 | 531 | 521 | 511 | 482 | 438 | 373 | 283  |

\*Higher pressure , longer stages pumps up to 110 stages are available on request.

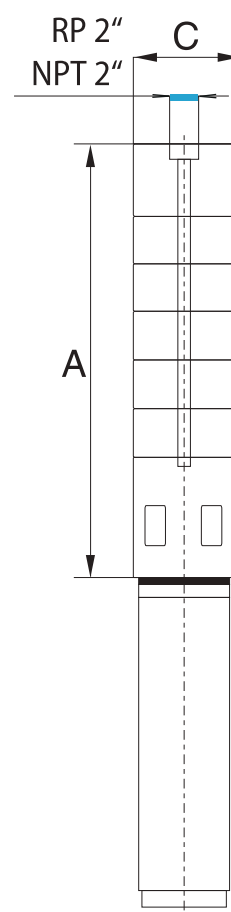
▶ With Sleeve .

## Dimensions and weights

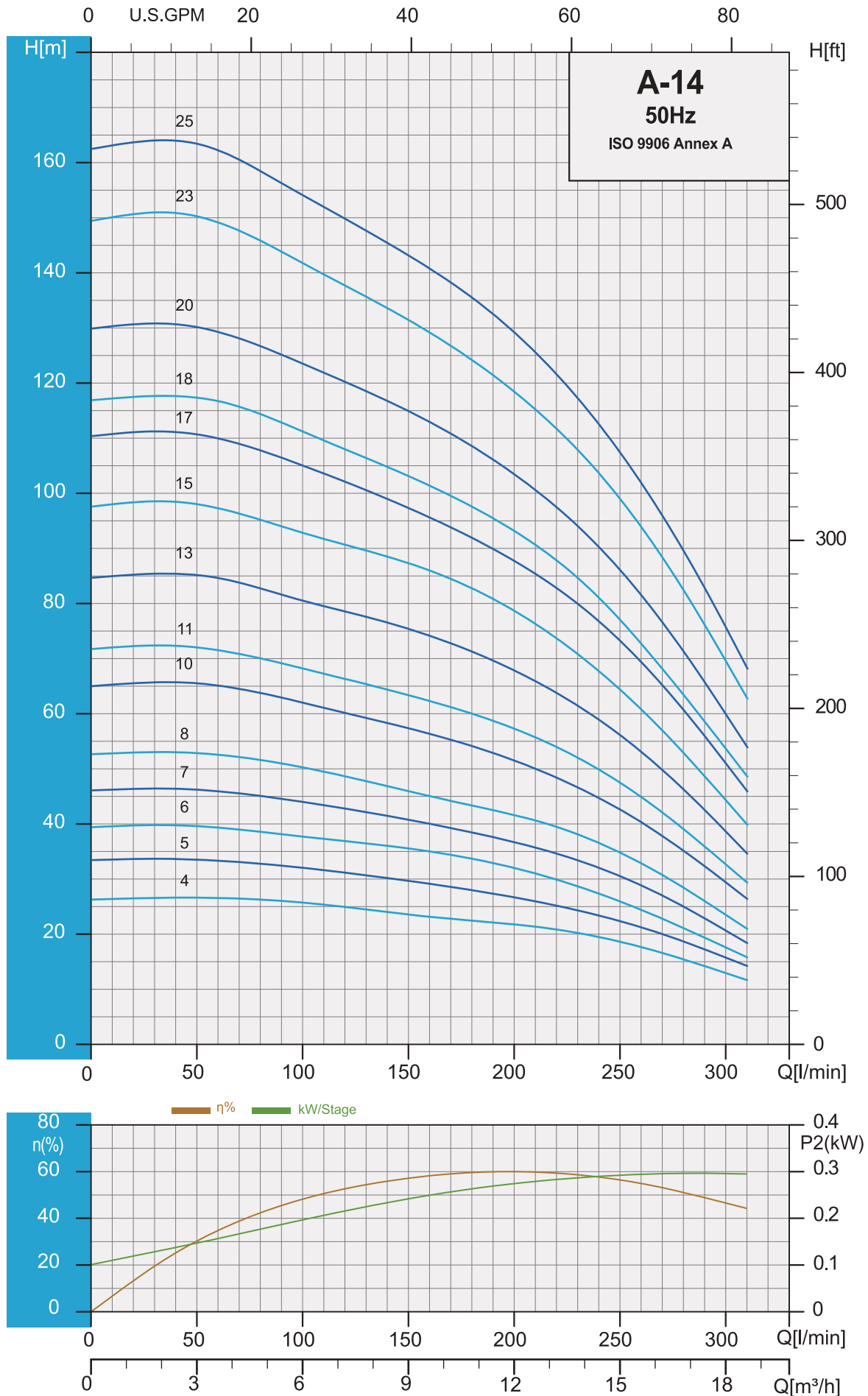
| Pump Type | Motor Dia. | Dimensions (mm) |     | Net Weight (Kg) |
|-----------|------------|-----------------|-----|-----------------|
|           |            | A               | C   |                 |
| A 8-05    | 4"         | 412             | 98  | 4.3             |
| A 8-07    | 4"         | 496             | 98  | 5.3             |
| A 8-10    | 4"         | 622             | 98  | 6.8             |
| A 8-12    | 4"         | 706             | 98  | 7.8             |
| A 8-15    | 4"         | 832             | 98  | 9.3             |
| A 8-18    | 4"         | 958             | 98  | 10.8            |
| A 8-21    | 4"         | 1084            | 98  | 12.3            |
| A 8-25    | 4"         | 1252            | 98  | 14.3            |
| A 8-30    | 4"         | 1462            | 98  | 16.8            |
| A 8-37    | 4"         | 1753            | 98  | 20.3            |
| A 8-44    | 4"         | 2047            | 98  | 23.3            |
|           | 6"         | 2113            | 138 | 25.5            |
| A 8-50    | 4"         | 2299            | 98  | 26.4            |
|           | 6"         | 2365            | 138 | 28.5            |
| A 8-58    | 6"         | 3005            | 140 | 58.2            |
| A 8-66    | 6"         | 3341            | 140 | 64.6            |
| A 8-73    | 6"         | 3635            | 140 | 70.4            |
| A 8-82    | 6"         | 4013            | 140 | 77.7            |
| A 8-91    | 6"         | 4391            | 140 | 85.1            |
| A 8-100   | 6"         | 4769            | 140 | 92.4            |
| A 8-110   | 6"         | 5189            | 140 | 100.6           |

C=Maximum diameter of pump inclusive of cable guard and motor.  
A8-58 to A8-110 are mounted in sleeve for R 2 connection

▶ With Sleeve .



## Performance Curves



## Selection Chart

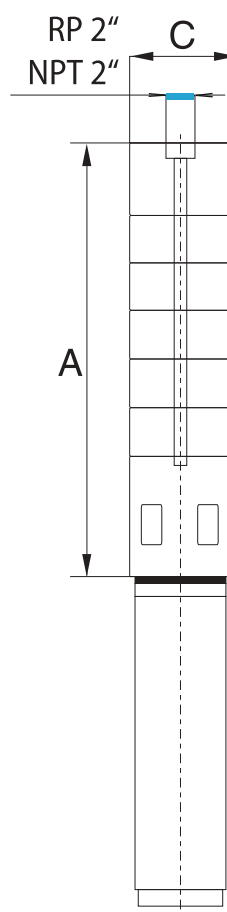
50Hz

| Pump Type | Motor |     | Q capacity 2850 rpm        |       |       |       |       |      |       |      |      |      |
|-----------|-------|-----|----------------------------|-------|-------|-------|-------|------|-------|------|------|------|
|           | P2    |     | l/min<br>m <sup>3</sup> /h | 0     | 100   | 120   | 140   | 160  | 180   | 200  | 250  | 300  |
|           | KW    | HP  |                            | 0     | 6.0   | 7.2   | 8.4   | 9.6  | 10.8  | 12   | 15   | 18   |
| A 14-04   | 1.1   | 1.5 | HEAD IN METERS             | 26    | 25.5  | 25    | 24    | 23   | 22.5  | 21.5 | 18.5 | 13   |
| A 14-05   | 1.5   | 2   |                            | 33    | 32    | 31    | 30    | 29   | 28    | 26   | 22   | 16   |
| A 14-06   | 2.2   | 3   |                            | 39.5  | 37.5  | 37    | 36    | 35   | 33.5  | 32   | 26   | 17.5 |
| A 14-07   | 2.2   | 3   |                            | 46    | 44    | 43    | 42    | 40   | 38    | 36   | 30   | 20   |
| A 14-08   | 3     | 4   |                            | 52.5  | 50    | 48.5  | 46.5  | 45   | 43    | 41.5 | 35   | 23.5 |
| A 14-10   | 3     | 4   |                            | 65    | 62    | 60    | 58    | 56   | 54    | 51   | 43   | 29   |
| A 14-11   | 4     | 5.5 |                            | 71.5  | 68    | 66    | 64    | 62   | 60    | 57   | 47   | 32.5 |
| A 14-13   | 4     | 5.5 |                            | 84    | 80    | 78    | 77    | 74   | 71    | 67   | 56   | 38   |
| A 14-15   | 5.5   | 7.5 |                            | 97.5  | 92.5  | 90.5  | 88.5  | 86   | 82.5  | 78.5 | 64   | 44   |
| A 14-17   | 5.5   | 7.5 |                            | 110   | 105   | 102   | 99    | 95.5 | 92    | 87.5 | 73   | 51   |
| A 14-18   | 5.5   | 7.5 |                            | 117   | 111   | 108   | 104   | 102  | 97    | 93   | 77   | 54   |
| A 14-20   | 7.5   | 10  |                            | 130   | 123   | 120   | 116.5 | 113  | 108.5 | 103  | 86   | 59   |
| A 14-23   | 7.5   | 10  |                            | 149.5 | 141.5 | 137.5 | 133.5 | 129  | 124   | 118  | 99   | 69   |
| A 14-25   | 7.5   | 10  |                            | 163   | 154   | 149   | 145   | 141  | 135   | 129  | 107  | 75   |

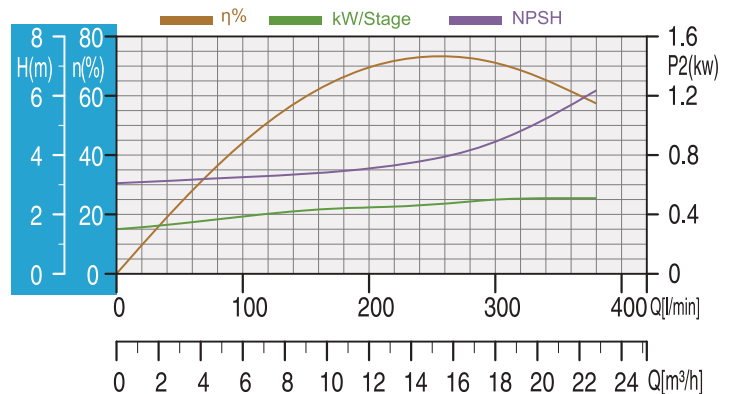
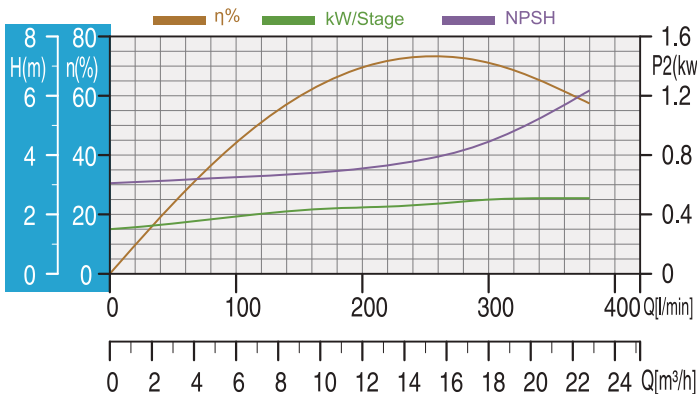
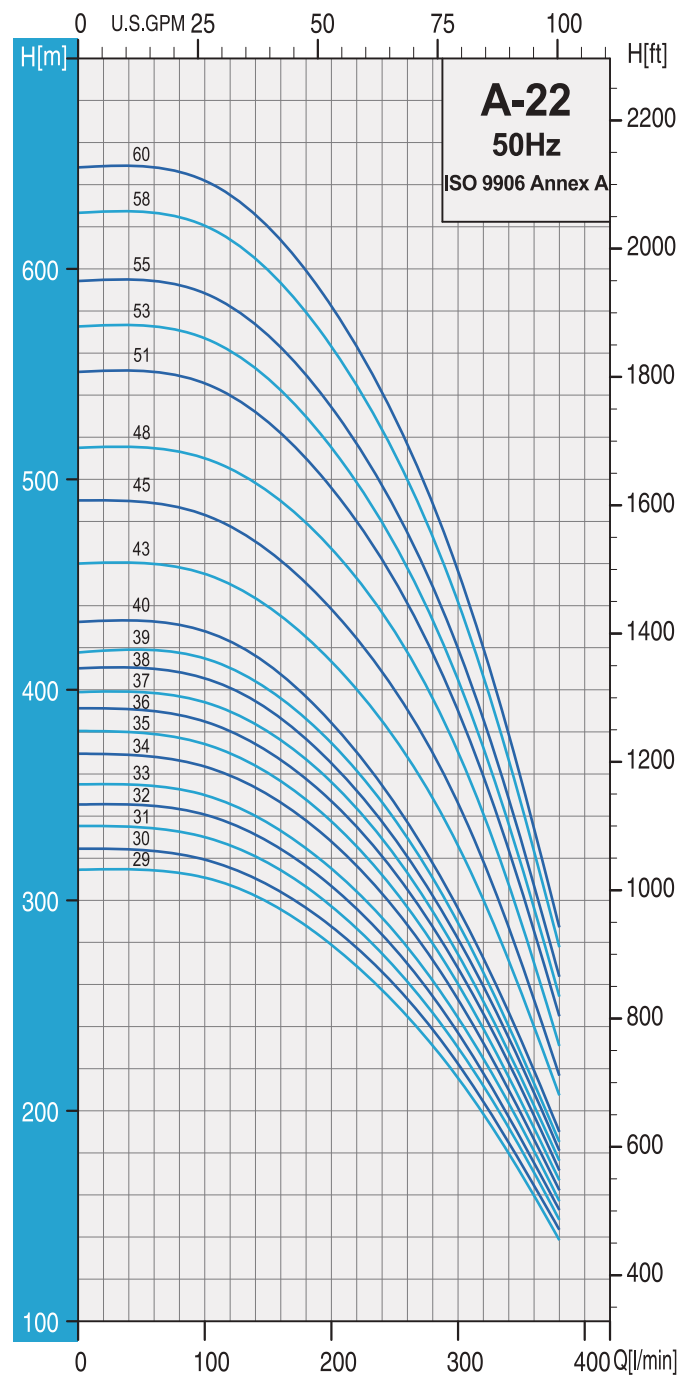
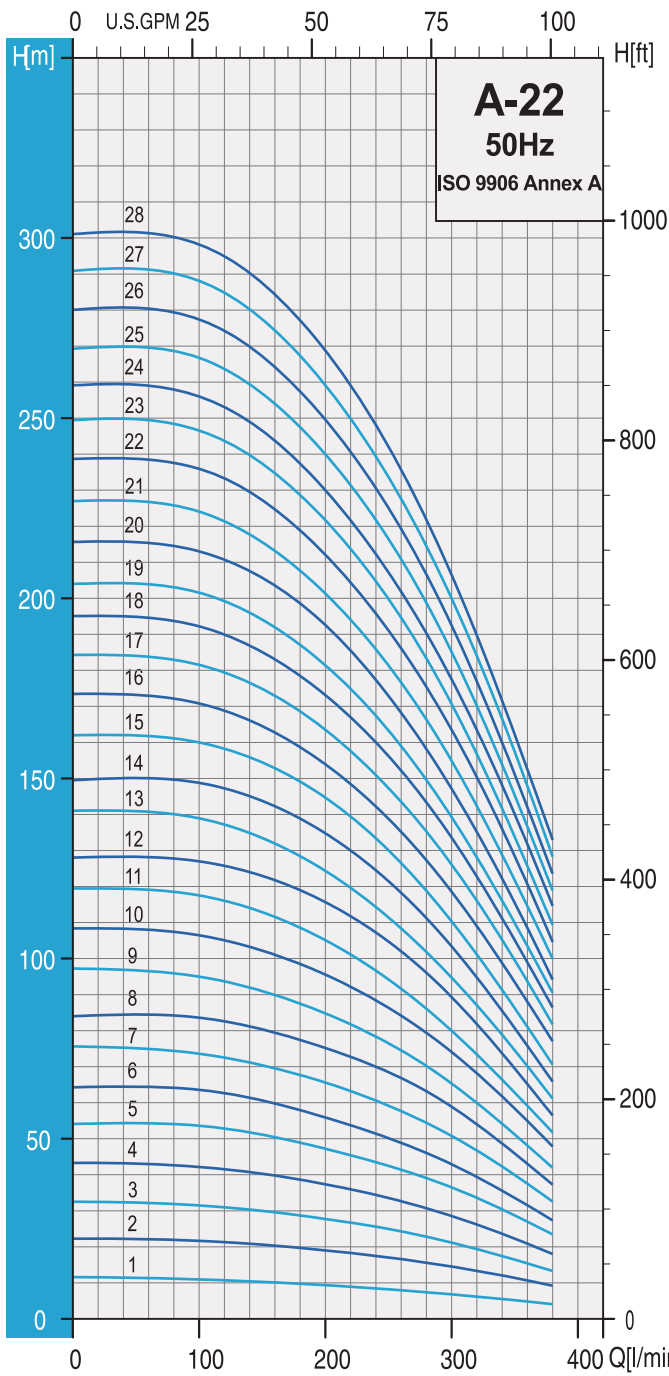
## Dimensions and weights

| Pump Type | Motor Dia. | Dimensions (mm) |    | Net Weight (Kg)<br>Pump |
|-----------|------------|-----------------|----|-------------------------|
|           |            | A               | C  |                         |
| A 14-04   | 4"         | 440             | 98 | 4.4                     |
| A 14-05   | 4"         | 505             | 98 | 5.0                     |
| A 14-06   | 4"         | 570             | 98 | 5.7                     |
| A 14-07   | 4"         | 635             | 98 | 6.3                     |
| A 14-08   | 4"         | 700             | 98 | 7.0                     |
| A 14-10   | 4"         | 830             | 98 | 8.2                     |
| A 14-11   | 4"         | 895             | 98 | 8.9                     |
| A 14-13   | 4"         | 1025            | 98 | 10.2                    |
| A 14-15   | 4"         | 1155            | 98 | 11.5                    |
| A 14-17   | 4"         | 1285            | 98 | 12.8                    |
| A 14-18   | 4"         | 1350            | 98 | 13.4                    |
| A 14-20   | 4"         | 1480            | 98 | 14.7                    |
| A 14-23   | 4"         | 1675            | 98 | 16.6                    |
| A 14-25   | 4"         | 1805            | 98 | 17.8                    |

C=Maximum diameter of pump inclusive of cable guard and motor.



## Performance Curves



# Selection Chart

50Hz

# Dimensions and weights

| Pump Type | Motor |      | Q capacity 2850 rpm |     |     |     |     |     |     |     |     |
|-----------|-------|------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|
|           | P2    |      | m³/h<br>l/min       | 3   | 6   | 9   | 12  | 15  | 18  | 21  | 23  |
|           | KW    | HP   |                     | 50  | 100 | 150 | 200 | 250 | 300 | 350 | 383 |
| A 22-1    | 0.55  | 0.75 | HEAD IN METERS      | 12  | 11  | 11  | 10  | 8   | 7   | 6   | 4   |
| A 22-2    | 1.1   | 1.5  |                     | 22  | 22  | 20  | 19  | 18  | 14  | 12  | 9   |
| A 22-3    | 2.2   | 3    |                     | 32  | 32  | 30  | 28  | 25  | 21  | 17  | 13  |
| A 22-4    | 2.2   | 3    |                     | 43  | 42  | 40  | 38  | 33  | 29  | 23  | 18  |
| A 22-5    | 3     | 4    |                     | 53  | 52  | 51  | 48  | 43  | 37  | 29  | 22  |
| A 22-6    | 3.7   | 5    |                     | 64  | 63  | 60  | 56  | 50  | 43  | 34  | 27  |
| A 22-7    | 4     | 5.5  |                     | 75  | 74  | 70  | 66  | 59  | 51  | 40  | 32  |
| A 22-8    | 5.5   | 7.5  |                     | 85  | 84  | 80  | 75  | 68  | 59  | 46  | 37  |
| A 22-9    | 5.5   | 7.5  |                     | 97  | 95  | 91  | 85  | 77  | 65  | 51  | 42  |
| A 22-10   | 5.5   | 7.5  |                     | 108 | 107 | 102 | 95  | 86  | 74  | 58  | 48  |
| A 22-11   | 7.5   | 10   |                     | 119 | 118 | 113 | 105 | 94  | 80  | 63  | 52  |
| A 22-12   | 7.5   | 10   |                     | 128 | 127 | 123 | 116 | 105 | 89  | 69  | 57  |
| A 22-13   | 7.5   | 10   |                     | 141 | 139 | 133 | 124 | 112 | 95  | 75  | 60  |
| A 22-14   | 9.3   | 12.5 |                     | 150 | 149 | 144 | 135 | 122 | 103 | 81  | 66  |
| A 22-15   | 9.3   | 12.5 |                     | 162 | 160 | 155 | 145 | 130 | 110 | 86  | 71  |
| A 22-16   | 9.3   | 12.5 |                     | 173 | 171 | 165 | 154 | 139 | 119 | 93  | 77  |
| A 22-17   | 9.3   | 12.5 |                     | 184 | 182 | 175 | 163 | 147 | 126 | 100 | 80  |
| A 22-18   | 9.3   | 12.5 |                     | 195 | 192 | 185 | 173 | 156 | 134 | 105 | 86  |
| A 22-19   | 11    | 15   |                     | 204 | 202 | 194 | 181 | 163 | 139 | 110 | 91  |
| A 22-20   | 11    | 15   |                     | 216 | 213 | 206 | 192 | 173 | 147 | 116 | 95  |
| A 22-21   | 11    | 15   |                     | 227 | 224 | 216 | 201 | 182 | 155 | 122 | 100 |
| A 22-22   | 13    | 17.5 |                     | 239 | 237 | 228 | 212 | 190 | 163 | 129 | 105 |
| A 22-23   | 13    | 17.5 |                     | 250 | 247 | 237 | 222 | 200 | 171 | 134 | 109 |
| A 22-24   | 13    | 17.5 |                     | 260 | 257 | 247 | 230 | 208 | 178 | 40  | 115 |
| A 22-25   | 15    | 20   |                     | 270 | 261 | 257 | 240 | 217 | 185 | 145 | 119 |
| A 22-26   | 15    | 20   |                     | 281 | 278 | 267 | 250 | 225 | 192 | 151 | 124 |
| A 22-27   | 15    | 20   |                     | 291 | 288 | 277 | 259 | 234 | 200 | 158 | 128 |
| A 22-28   | 18.5  | 25   |                     | 302 | 298 | 288 | 269 | 242 | 207 | 162 | 133 |
| A 22-29   | 18.5  | 25   |                     | 314 | 311 | 300 | 279 | 250 | 215 | 170 | 138 |
| A 22-30   | 18.5  | 25   |                     | 324 | 319 | 307 | 288 | 260 | 222 | 175 | 144 |
| A 22-31   | 18.5  | 25   |                     | 335 | 330 | 318 | 298 | 269 | 230 | 181 | 148 |
| A 22-32   | 18.5  | 25   |                     | 345 | 341 | 328 | 307 | 277 | 237 | 187 | 153 |
| A 22-33   | 18.5  | 25   |                     | 355 | 350 | 337 | 315 | 285 | 243 | 191 | 157 |
| A 22-34   | 18.5  | 25   |                     | 369 | 364 | 350 | 328 | 296 | 253 | 199 | 162 |
| A 22-35   | 22    | 30   |                     | 379 | 374 | 361 | 338 | 305 | 260 | 204 | 167 |
| A 22-36   | 22    | 30   |                     | 390 | 385 | 371 | 348 | 313 | 268 | 210 | 170 |
| A 22-37   | 22    | 30   |                     | 399 | 394 | 380 | 356 | 322 | 274 | 203 | 176 |
| A 22-38   | 22    | 30   |                     | 410 | 405 | 390 | 365 | 330 | 281 | 222 | 180 |
| A 22-39   | 22    | 30   |                     | 419 | 415 | 400 | 375 | 364 | 289 | 227 | 185 |
| A 22-40   | 22    | 30   |                     | 433 | 428 | 412 | 384 | 346 | 296 | 235 | 190 |
| A 22-43   | 26    | 35   |                     | 460 | 455 | 440 | 414 | 377 | 326 | 257 | 207 |
| A 22-45   | 26    | 35   |                     | 489 | 483 | 466 | 438 | 400 | 346 | 271 | 217 |
| A 22-48   | 26    | 35   |                     | 515 | 510 | 494 | 467 | 428 | 371 | 290 | 231 |
| A 22-51   | 30    | 40   |                     | 551 | 546 | 527 | 496 | 452 | 390 | 301 | 245 |
| A 22-53   | 30    | 40   |                     | 573 | 567 | 548 | 515 | 469 | 405 | 317 | 254 |
| A 22-55   | 37    | 50   |                     | 595 | 589 | 569 | 534 | 486 | 420 | 329 | 264 |
| A 22-58   | 37    | 50   |                     | 627 | 621 | 600 | 563 | 512 | 442 | 346 | 278 |
| A 22-60   | 37    | 50   |                     | 649 | 642 | 620 | 582 | 529 | 457 | 357 | 287 |

\*Higher pressure , longer stages pumps up to 60 stages are available on request.

► With Sleeve .

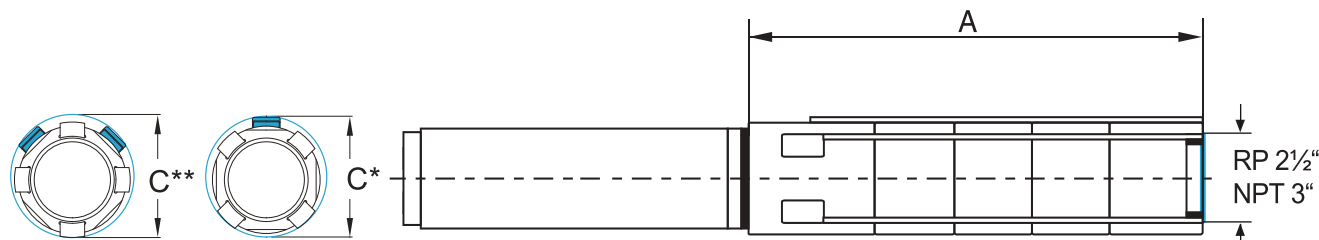
| Pump Type | Motor Dia. | Dimensions (mm) |     |     | Net Weight (Kg) |
|-----------|------------|-----------------|-----|-----|-----------------|
|           |            | A               | C*  | C** |                 |
| A 22-1    | 4"         | 343             | 131 |     | 5.0             |
| A 22-2    | 4"         | 403             | 131 |     | 6.4             |
| A 22-3    | 4"         | 464             | 131 |     | 7.9             |
| A 22-4    | 4"         | 524             | 131 |     | 9.3             |
| A 22-5    | 4"         | 585             | 131 |     | 10.8            |
| A 22-6    | 4"         | 645             | 131 |     | 12.2            |
| A 22-7    | 4"         | 706             | 131 |     | 13.7            |
| A 22-8    | 4"         | 766             | 131 |     | 15.1            |
| A 22-9    | 4"         | 827             | 131 |     | 16.6            |
| A 22-10   | 4"         | 887             | 131 |     | 18.0            |
| A 22-11   | 6"         | 948             | 142 | 142 | 19.5            |
| A 22-12   | 6"         | 1008            | 142 | 142 | 20.9            |
| A 22-13   | 6"         | 1069            | 142 | 142 | 22.4            |
| A 22-14   | 6"         | 1129            | 142 | 142 | 23.9            |
| A 22-15   | 6"         | 1190            | 142 | 142 | 25.3            |
| A 22-16   | 6"         | 1250            | 142 | 142 | 26.8            |
| A 22-17   | 6"         | 1311            | 142 | 142 | 28.2            |
| A 22-18   | 6"         | 1371            | 142 | 142 | 29.7            |
| A 22-19   | 6"         | 1432            | 142 | 142 | 31.1            |
| A 22-20   | 6"         | 1492            | 142 | 142 | 32.5            |
| A 22-21   | 6"         | 1553            | 142 | 142 | 34.0            |
| A 22-22   | 6"         | 1613            | 142 | 142 | 35.4            |
| A 22-23   | 6"         | 1674            | 142 | 142 | 36.9            |
| A 22-24   | 6"         | 1734            | 142 | 142 | 38.3            |
| A 22-25   | 6"         | 1795            | 142 | 142 | 39.8            |
| A 22-26   | 6"         | 1855            | 142 | 142 | 41.2            |
| A 22-27   | 6"         | 1916            | 142 | 142 | 42.7            |
| A 22-28   | 6"         | 1976            | 142 | 142 | 44.2            |
| A 22-29   | 6"         | 2037            | 142 | 142 | 45.6            |
| A 22-30   | 6"         | 2097            | 142 | 142 | 47.1            |
| A 22-31   | 6"         | 2158            | 142 | 142 | 48.5            |
| A 22-32   | 6"         | 2218            | 142 | 142 | 50.0            |
| A 22-33   | 6"         | 2279            | 142 | 142 | 51.4            |
| A 22-34   | 6"         | 2339            | 142 | 142 | 52.9            |
| A 22-35   | 6"         | 2400            | 142 | 142 | 54.3            |
| A 22-36   | 6"         | 2460            | 142 | 142 | 55.7            |
| A 22-37   | 6"         | 2521            | 142 | 142 | 57.2            |
| A 22-38   | 6"         | 2581            | 142 | 142 | 58.6            |
| A 22-39   | 6"         | 2642            | 142 | 142 | 60.1            |
| A 22-40   | 6"         | 2702            | 142 | 142 | 61.5            |
| A 22-43   | 6"         | 3255            | 178 | 181 | 121.7           |
| A 22-45   | 6"         | 3376            | 178 | 181 | 126.1           |
| A 22-48   | 6"         | 3558            | 178 | 181 | 132.6           |
| A 22-51   | 6"         | 3739            | 178 | 181 | 139.1           |
| A 22-53   | 6"         | 3860            | 178 | 181 | 143.4           |
| A 22-55   | 6"         | 3981            | 178 | 181 | 147.8           |
| A 22-58   | 6"         | 4163            | 178 | 181 | 154.3           |
| A 22-60   | 6"         | 4284            | 178 | 181 | 158.6           |

C\*: Maximum diameter of pump with one motor cable

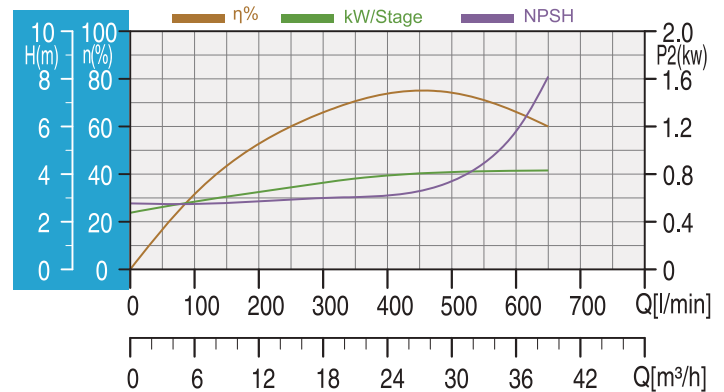
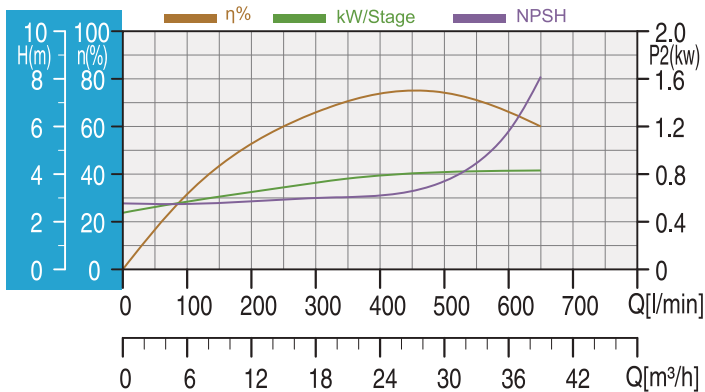
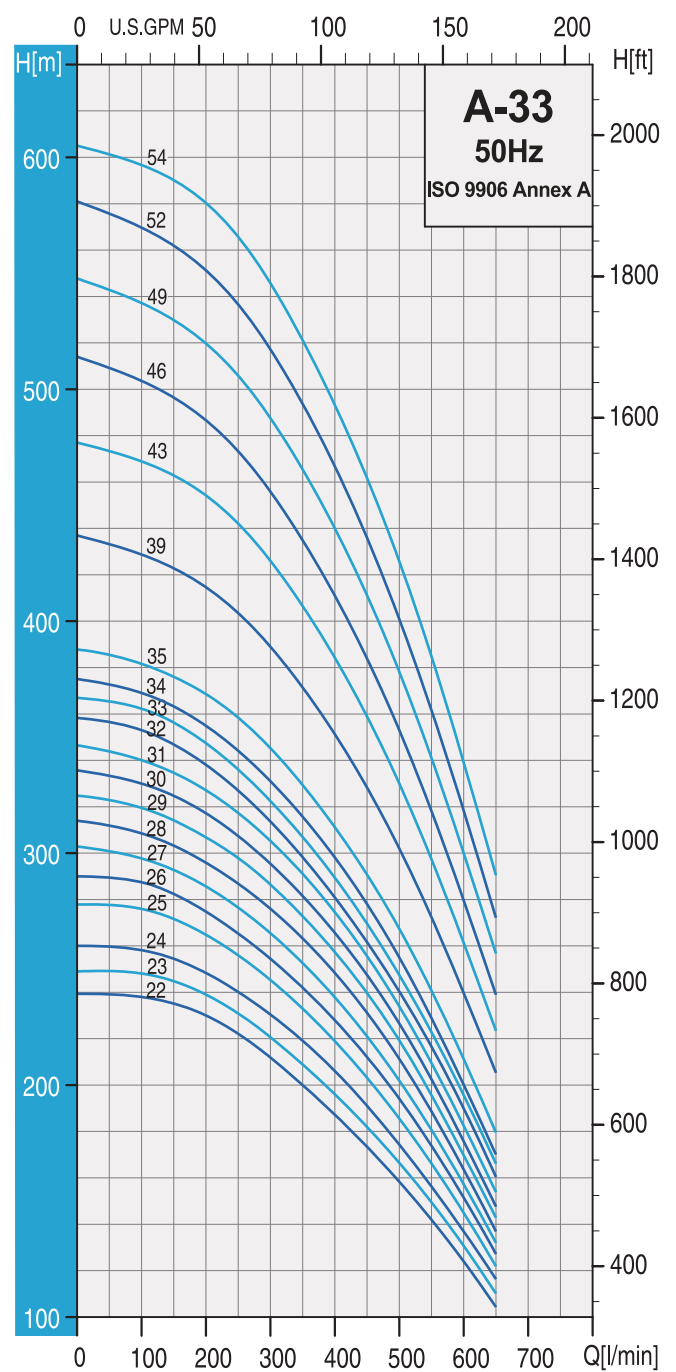
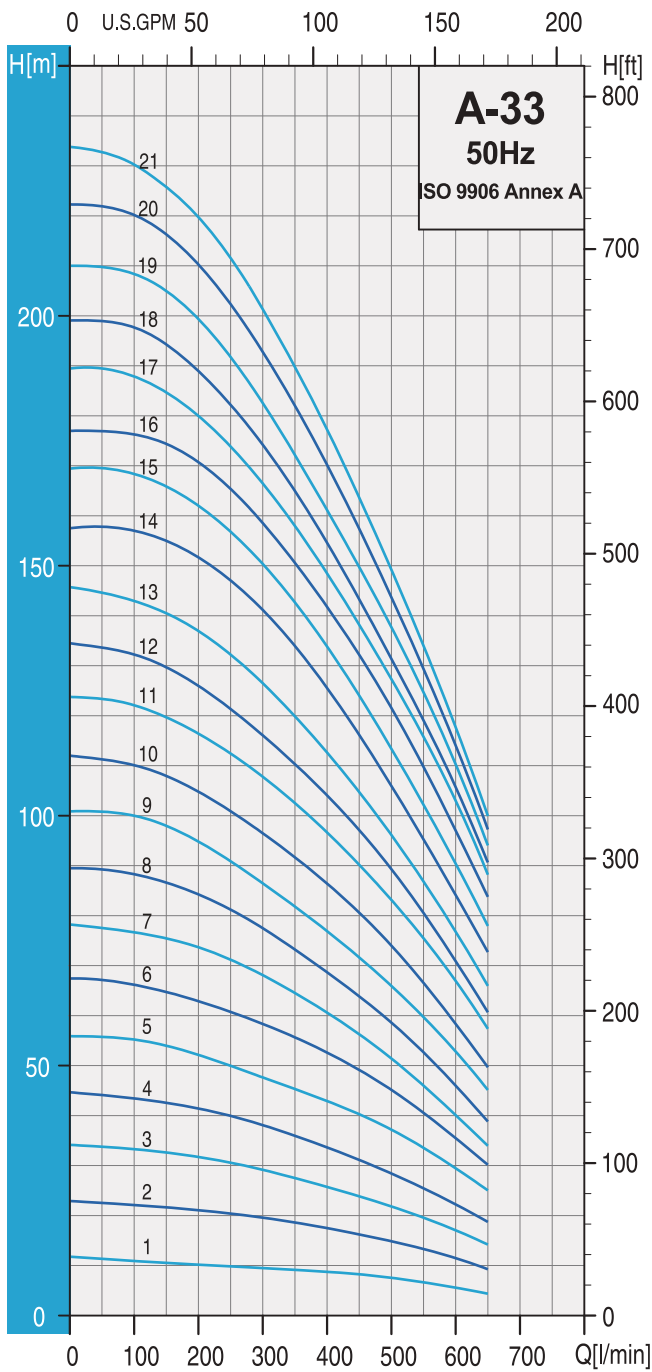
C\*\*: Maximum diameter of pump with two motor cable

A22-43 to A22-60 are mounted in sleeve for R 3 connection

► With Sleeve .

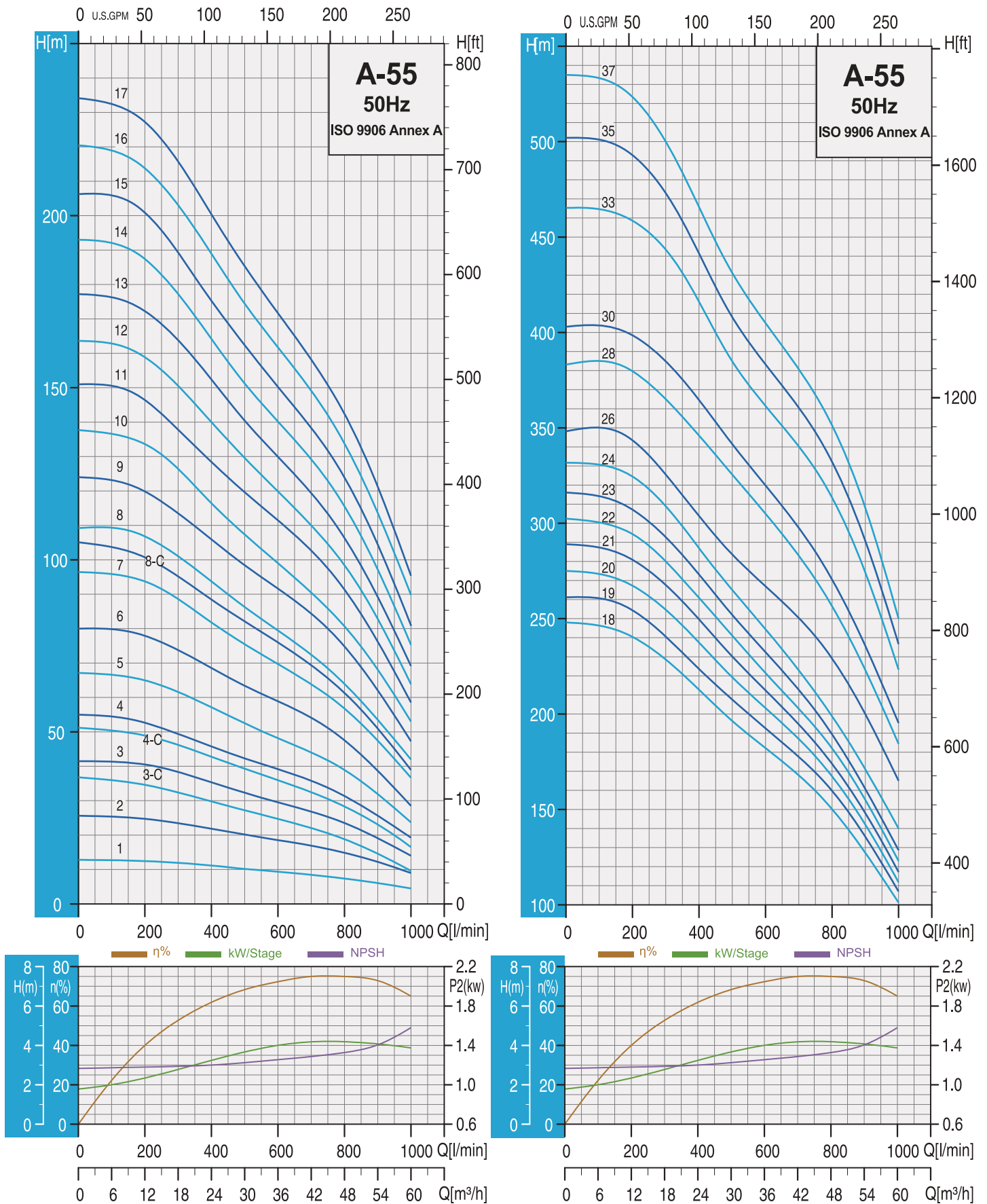


## Performance Curves





## Performance Curves



# Selection Chart

50Hz

| Pump Type | Motor |      | m³/h<br>l/min  | Q capacity 2850 rpm |     |     |     |     |     |     |     |     |     |     |      |
|-----------|-------|------|----------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|           | P2    |      |                | 12                  | 15  | 18  | 21  | 24  | 27  | 30  | 36  | 42  | 48  | 54  | 60   |
|           | KW    | HP   |                | 200                 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 |
| A 55-1    | 2.2   | 3    | HEAD IN METERS | 13                  | 13  | 12  | 12  | 11  | 11  | 10  | 9   | 9   | 8   | 6   | 5    |
| A 55-2    | 3     | 4    |                | 24                  | 24  | 23  | 23  | 22  | 21  | 20  | 18  | 17  | 15  | 12  | 9    |
| A 55-3C   | 3.7   | 5    |                | 35                  | 34  | 32  | 31  | 29  | 28  | 27  | 24  | 22  | 19  | 14  | 10   |
| A 55-3    | 5.5   | 7.5  |                | 40                  | 39  | 38  | 37  | 35  | 34  | 33  | 29  | 27  | 23  | 18  | 24   |
| A 55-4C   | 5.5   | 7.5  |                | 49                  | 47  | 46  | 45  | 43  | 41  | 39  | 36  | 32  | 28  | 23  | 17   |
| A 55-4    | 7.5   | 10   |                | 53                  | 51  | 49  | 48  | 46  | 44  | 42  | 39  | 36  | 31  | 26  | 19   |
| A 55-5    | 7.5   | 10   |                | 65                  | 63  | 61  | 59  | 57  | 55  | 53  | 48  | 44  | 39  | 32  | 24   |
| A 55-6    | 9.3   | 12.5 |                | 78                  | 76  | 74  | 71  | 69  | 66  | 63  | 59  | 54  | 48  | 39  | 29   |
| A 55-7    | 11    | 15   |                | 94                  | 92  | 88  | 85  | 82  | 79  | 76  | 70  | 64  | 57  | 47  | 37   |
| A 55-8C   | 11    | 15   |                | 100                 | 98  | 95  | 92  | 88  | 85  | 82  | 76  | 69  | 61  | 51  | 39   |
| A 55-8    | 13    | 17.5 |                | 107                 | 104 | 101 | 97  | 94  | 90  | 86  | 79  | 73  | 64  | 54  | 42   |
| A 55-9    | 15    | 20   |                | 120                 | 117 | 114 | 110 | 106 | 102 | 98  | 92  | 85  | 75  | 62  | 47   |
| A 55-10   | 15    | 20   |                | 133                 | 130 | 127 | 122 | 117 | 112 | 107 | 98  | 90  | 80  | 67  | 53   |
| A 55-11   | 18.5  | 25   |                | 146                 | 142 | 138 | 133 | 128 | 124 | 120 | 112 | 103 | 91  | 76  | 59   |
| A 55-12   | 18.5  | 25   |                | 158                 | 155 | 150 | 145 | 140 | 135 | 130 | 120 | 110 | 98  | 83  | 64   |
| A 55-13   | 22    | 30   |                | 172                 | 169 | 164 | 158 | 152 | 146 | 140 | 130 | 120 | 106 | 89  | 69   |
| A 55-14   | 22    | 30   |                | 187                 | 183 | 177 | 171 | 164 | 158 | 151 | 140 | 129 | 115 | 97  | 75   |
| A 55-15   | 22    | 30   |                | 200                 | 195 | 189 | 183 | 176 | 169 | 163 | 150 | 138 | 124 | 103 | 81   |
| A 55-16   | 26    | 35   |                | 214                 | 209 | 203 | 196 | 189 | 182 | 174 | 162 | 149 | 134 | 113 | 90   |
| A 55-17   | 26    | 35   |                | 227                 | 222 | 215 | 208 | 200 | 193 | 186 | 172 | 158 | 143 | 121 | 96   |
| A 55-18   | 30    | 40   |                | 240                 | 235 | 229 | 221 | 213 | 204 | 196 | 182 | 168 | 150 | 127 | 101  |
| A 55-19   | 30    | 40   |                | 254                 | 248 | 241 | 233 | 224 | 216 | 208 | 193 | 178 | 160 | 136 | 107  |
| A 55-20   | 30    | 40   |                | 267                 | 262 | 255 | 246 | 238 | 228 | 219 | 203 | 187 | 167 | 142 | 112  |
| A 55-21   | 37    | 50   |                | 280                 | 275 | 268 | 259 | 250 | 240 | 230 | 212 | 195 | 174 | 148 | 117  |
| A 55-22   | 37    | 50   |                | 294                 | 288 | 280 | 270 | 260 | 251 | 241 | 222 | 203 | 183 | 155 | 123  |
| A 55-23   | 37    | 50   |                | 307                 | 301 | 293 | 283 | 273 | 262 | 252 | 232 | 213 | 189 | 161 | 129  |
| A 55-24   | 37    | 50   |                | 325                 | 317 | 309 | 298 | 287 | 276 | 265 | 244 | 223 | 199 | 171 | 140  |
| A 55-26   | 45    | 60   |                | 343                 | 335 | 324 | 313 | 302 | 292 | 283 | 267 | 251 | 230 | 200 | 165  |
| A 55-28   | 45    | 60   |                | 380                 | 373 | 365 | 356 | 346 | 336 | 326 | 305 | 283 | 257 | 223 | 184  |
| A 55-30   | 45    | 60   |                | 398                 | 393 | 385 | 375 | 365 | 353 | 342 | 320 | 298 | 271 | 236 | 195  |
| A 55-33   | 55    | 75   |                | 459                 | 452 | 443 | 431 | 416 | 400 | 385 | 362 | 340 | 313 | 274 | 223  |
| A 55-35   | 55    | 75   |                | 493                 | 485 | 473 | 459 | 441 | 424 | 408 | 383 | 361 | 332 | 291 | 237  |
| A 55-37   | 63    | 85   |                | 523                 | 513 | 500 | 484 | 466 | 448 | 431 | 405 | 381 | 351 | 308 | 250  |

\*Higher pressure , longer stages pumps up to 37 stages are available on request.

► With Sleeve .

## Dimensions and weights

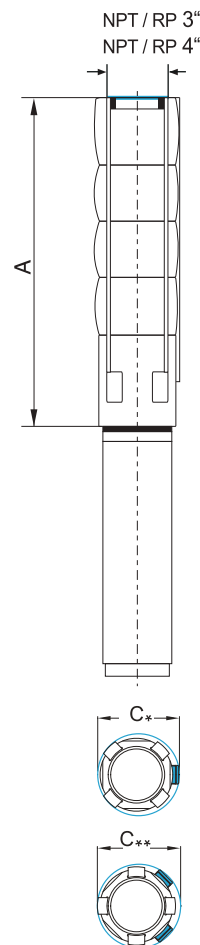
| Pump Type | Motor<br>Dia. | Dimensions (mm) |     |     | Net Weight<br>(Kg)<br>Pump |
|-----------|---------------|-----------------|-----|-----|----------------------------|
|           |               | A               | C*  | C** |                            |
| A 55-1    | 4"            | 383             | 146 |     | 6.9                        |
| A 55-2    | 4"            | 496             | 146 |     | 9.2                        |
| A 55-3C   | 4"            | 609             | 146 |     | 11.5                       |
| A 55-3    | 4"            | 609             | 146 |     | 11.5                       |
| A 55-4C   | 4"            | 722             | 146 |     | 13.8                       |
| A 55-4    | 6"            | 722             | 149 | 152 | 13.8                       |
| A 55-5    | 6"            | 835             | 149 | 152 | 16                         |
| A 55-6    | 6"            | 948             | 149 | 152 | 18.3                       |
| A 55-7    | 6"            | 1061            | 149 | 152 | 20.6                       |
| A 55-8C   | 6"            | 1174            | 149 | 152 | 22.9                       |
| A 55-8    | 6"            | 1174            | 149 | 152 | 22.9                       |
| A 55-9    | 6"            | 1287            | 149 | 152 | 25.2                       |
| A 55-10   | 6"            | 1400            | 149 | 152 | 27.4                       |
| A 55-11   | 6"            | 1513            | 149 | 152 | 29.7                       |
| A 55-12   | 6"            | 1626            | 149 | 152 | 32                         |
| A 55-13   | 6"            | 1739            | 149 | 152 | 34.3                       |
| A 55-14   | 6"            | 1852            | 149 | 152 | 36.6                       |
| A 55-15   | 6"            | 1965            | 149 | 152 | 38.8                       |
| A 55-16   | 6"            | 2078            | 149 | 152 | 41.1                       |
| A 55-17   | 6"            | 2191            | 149 | 152 | 43.4                       |
| A 55-18   | 6"            | 2304            | 149 | 152 | 45.7                       |
| A 55-19   | 6"            | 2417            | 149 | 152 | 47.9                       |
| A 55-20   | 6"            | 2530            | 149 | 152 | 50.2                       |
| A 55-21   | 6"            | 2643            | 149 | 152 | 52.5                       |
| A 55-22   | 6"            | 2756            | 149 | 152 | 54.8                       |
| A 55-23   | 6"            | 2869            | 149 | 152 | 57.1                       |
| A 55-24   | 6"            | 2982            | 149 | 152 | 59.3                       |
| A 55-26   | 8"            | 2537            | 192 | 192 | 130.4                      |
| A 55-28   | 8"            | 3763            | 192 | 192 | 137.9                      |
| A 55-30   | 8"            | 3989            | 192 | 192 | 146                        |
| A 55-33   | 8"            | 4328            | 192 | 192 | 158.4                      |
| A 55-35   | 8"            | 4554            | 192 | 192 | 166.2                      |
| A 55-37   | 8"            | 4780            | 192 | 192 | 174                        |

C\*: Maximum diameter of pump with one motor cable

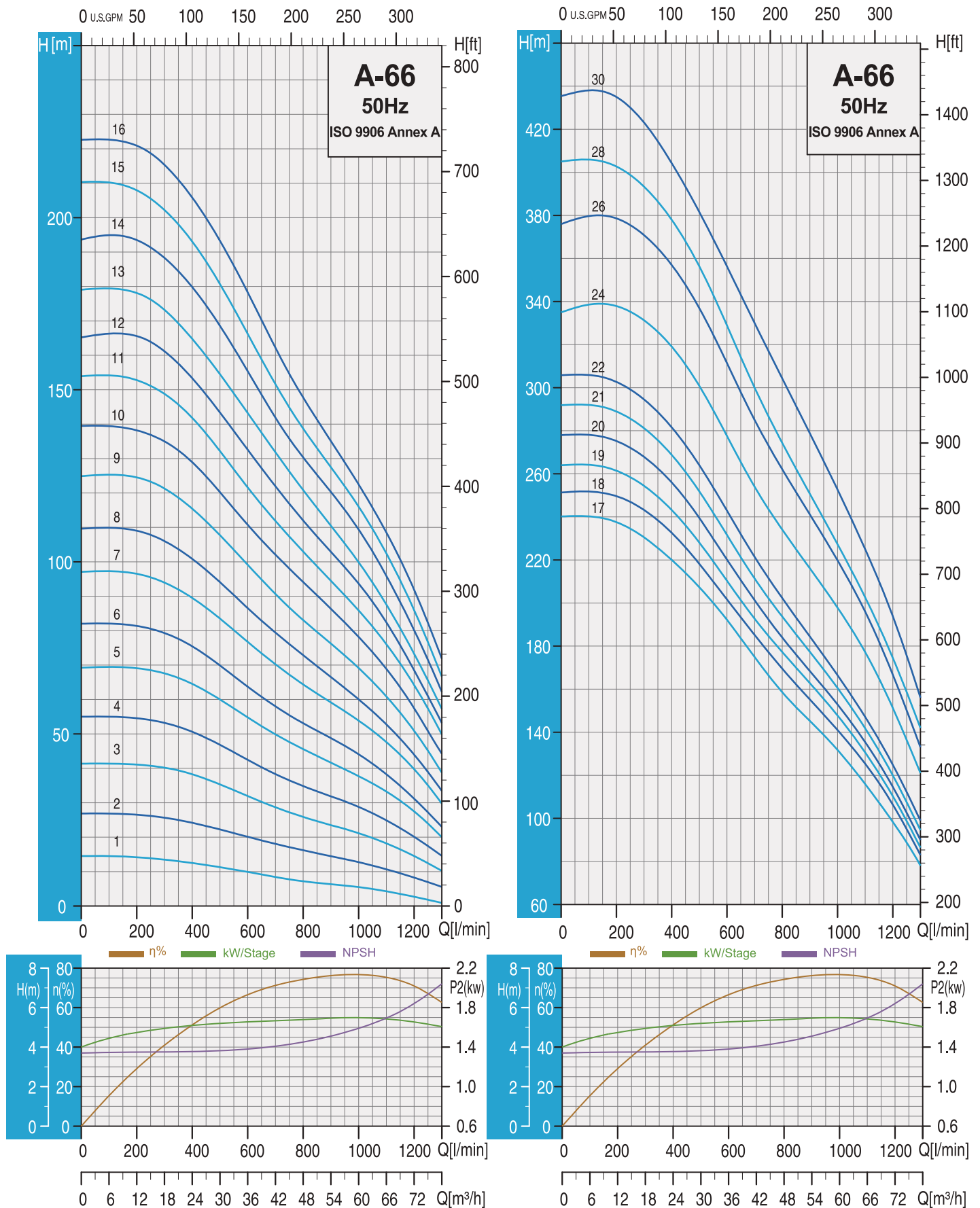
C\*\*: Maximum diameter of pump with two motor cable

A55-26 to A55-37 are mounted in sleeve for R 4 connection

► With Sleeve .



## Performance Curves



# Selection Chart

50Hz

| Pump Type | Motor |      | Q capacity 2850 rpm |     |     |     |     |     |     |     |     |     |      |      |      |      |
|-----------|-------|------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
|           | P2    | HP   | m³/h<br>l/min       | 18  | 21  | 24  | 27  | 30  | 36  | 42  | 48  | 54  | 60   | 66   | 72   | 78   |
| A 66-1    | 2.2   | 3    | HEAD IN METERS      | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 |
| A 66-2    | 3.7   | 5    |                     | 13  | 13  | 12  | 12  | 11  | 10  | 8   | 7   | 6   | 5    | 4    | 2    | 1    |
| A 66-3    | 5.5   | 7.5  |                     | 26  | 25  | 24  | 23  | 22  | 20  | 18  | 16  | 14  | 13   | 11   | 8    | 5    |
| A 66-4    | 7.5   | 10   |                     | 40  | 39  | 38  | 37  | 36  | 32  | 28  | 26  | 24  | 21   | 18   | 14   | 10   |
| A 66-5    | 9.3   | 12.5 |                     | 53  | 52  | 51  | 48  | 47  | 43  | 38  | 35  | 32  | 28   | 25   | 20   | 14   |
| A 66-6    | 11    | 15   |                     | 67  | 66  | 64  | 52  | 60  | 55  | 50  | 46  | 42  | 38   | 33   | 27   | 19   |
| A 66-7    | 13    | 17.5 |                     | 79  | 78  | 76  | 73  | 70  | 64  | 58  | 53  | 48  | 44   | 38   | 32   | 23   |
| A 66-8    | 15    | 20   |                     | 94  | 92  | 89  | 86  | 84  | 77  | 70  | 64  | 59  | 54   | 47   | 40   | 29   |
| A 66-9    | 18.5  | 25   |                     | 106 | 104 | 101 | 97  | 94  | 87  | 80  | 73  | 67  | 60   | 53   | 44   | 33   |
| A 66-10   | 18.5  | 25   |                     | 122 | 118 | 116 | 112 | 108 | 99  | 91  | 83  | 76  | 69   | 61   | 51   | 38   |
| A 66-11   | 22    | 30   |                     | 135 | 132 | 128 | 125 | 120 | 111 | 102 | 95  | 87  | 78   | 68   | 57   | 45   |
| A 66-12   | 22    | 30   |                     | 148 | 146 | 142 | 137 | 132 | 122 | 112 | 103 | 95  | 86   | 76   | 64   | 49   |
| A 66-13   | 26    | 35   |                     | 162 | 157 | 153 | 148 | 143 | 133 | 122 | 112 | 103 | 94   | 83   | 68   | 53   |
| A 66-14   | 26    | 35   |                     | 173 | 169 | 165 | 160 | 155 | 143 | 132 | 121 | 110 | 100  | 87   | 73   | 57   |
| A 66-15   | 26    | 35   |                     | 188 | 184 | 180 | 175 | 168 | 156 | 142 | 130 | 120 | 109  | 96   | 80   | 63   |
| A 66-16   | 30    | 40   |                     | 203 | 197 | 193 | 187 | 180 | 166 | 152 | 138 | 127 | 116  | 103  | 86   | 67   |
| A 66-17   | 37    | 50   |                     | 216 | 211 | 206 | 200 | 193 | 178 | 162 | 148 | 135 | 123  | 108  | 92   | 72   |
| A 66-18   | 37    | 50   |                     | 230 | 226 | 220 | 214 | 207 | 192 | 175 | 158 | 145 | 132  | 116  | 97   | 78   |
| A 66-19   | 37    | 50   |                     | 243 | 238 | 233 | 226 | 218 | 202 | 185 | 170 | 155 | 141  | 126  | 107  | 83   |
| A 66-20   | 37    | 50   |                     | 254 | 249 | 243 | 236 | 228 | 210 | 193 | 177 | 163 | 148  | 131  | 110  | 86   |
| A 66-21   | 37    | 50   |                     | 267 | 263 | 256 | 248 | 239 | 220 | 201 | 184 | 168 | 153  | 136  | 115  | 90   |
| A 66-22   | 37    | 50   |                     | 281 | 276 | 269 | 261 | 252 | 232 | 211 | 194 | 177 | 161  | 142  | 120  | 95   |
| A 66-24   | 45    | 60   |                     | 295 | 289 | 282 | 273 | 264 | 243 | 221 | 202 | 184 | 167  | 147  | 125  | 99   |
| A 66-26   | 55    | 75   |                     | 331 | 326 | 319 | 311 | 301 | 278 | 254 | 234 | 216 | 198  | 177  | 151  | 121  |
| A 66-28   | 55    | 75   |                     | 371 | 365 | 357 | 348 | 337 | 312 | 285 | 262 | 241 | 220  | 196  | 167  | 133  |
| A 66-30   | 55    | 75   |                     | 393 | 386 | 378 | 368 | 357 | 329 | 300 | 274 | 251 | 227  | 203  | 175  | 142  |
|           |       |      |                     | 423 | 415 | 404 | 393 | 381 | 356 | 330 | 304 | 279 | 253  | 225  | 194  | 156  |

\*Higher pressure , longer stages pumps up to 30 stages are available on request.

► With Sleeve .

## Dimensions and weights

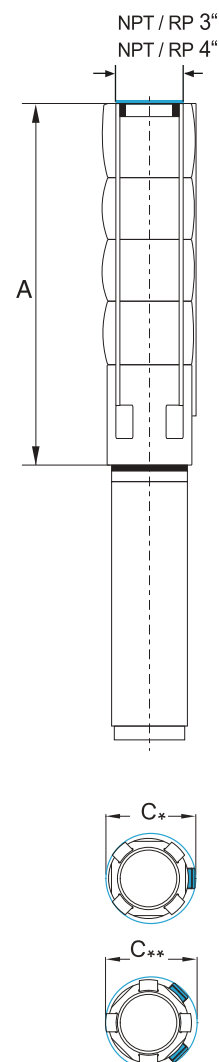
| Pump Type | Motor Dia. | Dimensions (mm) |     |     | Net Weight (Kg)<br>Pump |
|-----------|------------|-----------------|-----|-----|-------------------------|
|           |            | A               | C*  | C** |                         |
| A 66-1    | 6"         | 383             | 146 |     | 6.9                     |
| A 66-2    | 6"         | 496             | 146 |     | 9.2                     |
| A 66-3    | 6"         | 609             | 146 |     | 11.5                    |
| A 66-4    | 6"         | 722             | 149 | 152 | 13.7                    |
| A 66-5    | 6"         | 835             | 149 | 152 | 16.0                    |
| A 66-6    | 6"         | 948             | 149 | 152 | 18.3                    |
| A 66-7    | 6"         | 1061            | 149 | 152 | 20.6                    |
| A 66-8    | 6"         | 1174            | 149 | 152 | 22.9                    |
| A 66-9    | 6"         | 1287            | 149 | 152 | 25.1                    |
| A 66-10   | 6"         | 1400            | 149 | 152 | 27.4                    |
| A 66-11   | 6"         | 1513            | 149 | 152 | 29.7                    |
| A 66-12   | 6"         | 1626            | 149 | 152 | 32.0                    |
| A 66-13   | 6"         | 1739            | 149 | 152 | 34.3                    |
| A 66-14   | 6"         | 1852            | 149 | 152 | 36.5                    |
| A 66-15   | 6"         | 1965            | 149 | 152 | 38.8                    |
| A 66-16   | 6"         | 2078            | 149 | 152 | 41.1                    |
| A 66-17   | 6"         | 2191            | 149 | 152 | 43.4                    |
| A 66-18   | 6"         | 2304            | 149 | 152 | 45.7                    |
| A 66-19   | 6"         | 2417            | 149 | 152 | 48.0                    |
| A 66-20   | 6"         | 2530            | 149 | 152 | 50.2                    |
| A 66-21   | 6"         | 2463            | 149 | 152 | 52.5                    |
| A 66-22   | 8"         | 2784            | 183 | 183 | 60.2                    |
| A 66-24   | 8"         | 3311            | 192 | 192 | 125.1                   |
| A 66-26   | 8"         | 3537            | 192 | 192 | 132.4                   |
| A 66-28   | 8"         | 3763            | 192 | 192 | 139.9                   |
| A 66-30   | 8"         | 3989            | 192 | 192 | 148.0                   |

C\*: Maximum diameter of pump with one motor cable

C\*\*: Maximum diameter of pump with two motor cable

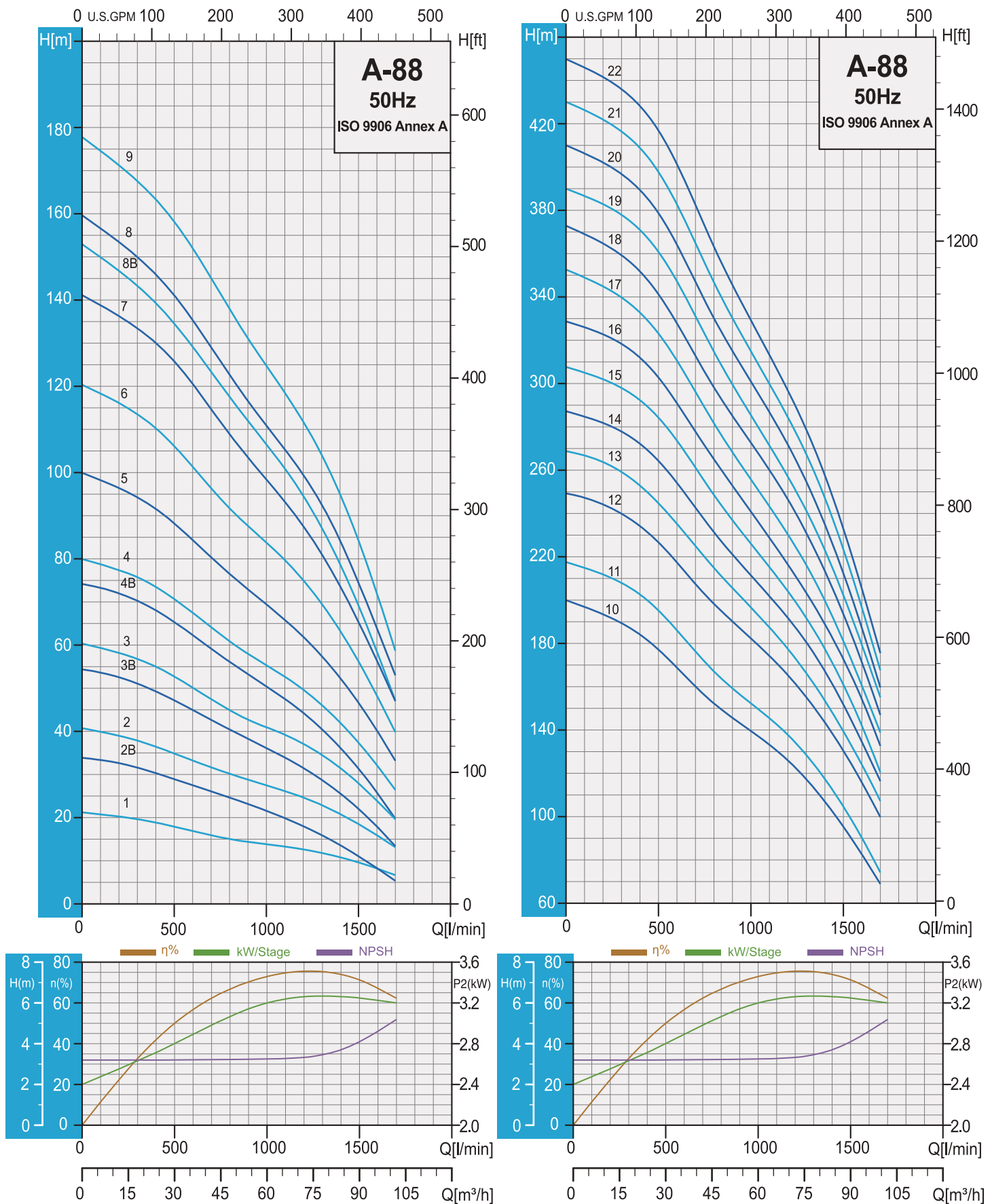
A66-24 and A66-30 are mounted in sleeve for R 4 connection

► With Sleeve .



**SPEED**

## Performance Curves



# Selection Chart

50Hz

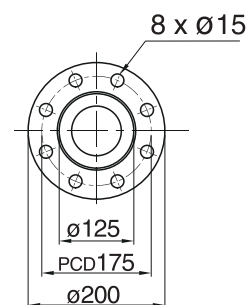
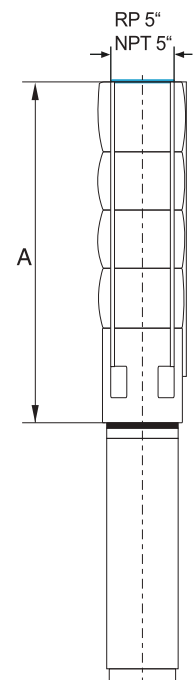
| Pump Type | Motor |      | Q capacity 2850 rpm |     |     |     |     |     |     |     |     |      |      |      |      |
|-----------|-------|------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
|           | P2    |      | m³/h<br>l/min       | 12  | 18  | 24  | 30  | 36  | 42  | 48  | 54  | 66   | 78   | 90   | 102  |
|           | KW    | HP   |                     | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1100 | 1300 | 1500 | 1700 |
| A 88-1    | 5.5   | 7.5  | HEAD IN METERS      | 20  | 20  | 19  | 18  | 17  | 16  | 15  | 14  | 13   | 12   | 9    | 7    |
| A 88-2B   | 5.5   | 7.5  |                     | 33  | 32  | 30  | 28  | 27  | 26  | 25  | 23  | 20   | 16   | 11   | 6    |
| A 88-2    | 7.5   | 10   |                     | 38  | 37  | 36  | 35  | 33  | 32  | 30  | 28  | 26   | 23   | 18   | 13   |
| A 88-3B   | 9.3   | 12.5 |                     | 53  | 51  | 49  | 47  | 45  | 43  | 40  | 38  | 34   | 28   | 22   | 13   |
| A 88-3    | 11    | 15   |                     | 58  | 57  | 55  | 53  | 50  | 47  | 45  | 43  | 39   | 35   | 28   | 20   |
| A 88-4B   | 13    | 17.5 |                     | 72  | 70  | 68  | 65  | 62  | 59  | 56  | 53  | 47   | 40   | 31   | 20   |
| A 88-4    | 15    | 20   |                     | 77  | 76  | 74  | 71  | 67  | 64  | 61  | 58  | 53   | 46   | 37   | 27   |
| A 88-5    | 18.5  | 25   |                     | 96  | 94  | 92  | 88  | 84  | 80  | 76  | 73  | 66   | 57   | 46   | 33   |
| A 88-6    | 22    | 30   |                     | 116 | 113 | 110 | 106 | 101 | 96  | 92  | 88  | 80   | 70   | 56   | 40   |
| A 88-7    | 26    | 35   |                     | 136 | 133 | 130 | 126 | 120 | 115 | 109 | 104 | 93   | 81   | 65   | 47   |
| A 88-8B   | 26    | 35   |                     | 147 | 143 | 139 | 134 | 129 | 123 | 117 | 112 | 101  | 87   | 69   | 47   |
| A 88-8    | 30    | 40   |                     | 153 | 150 | 146 | 141 | 135 | 129 | 123 | 117 | 105  | 93   | 75   | 53   |
| A 88-9    | 30    | 40   |                     | 171 | 167 | 163 | 158 | 152 | 145 | 138 | 131 | 118  | 104  | 84   | 58   |
| A 88-10   | 37    | 50   |                     | 193 | 188 | 183 | 177 | 168 | 160 | 152 | 145 | 132  | 117  | 94   | 68   |
| A 88-11   | 37    | 50   |                     | 211 | 207 | 202 | 195 | 186 | 176 | 167 | 159 | 145  | 128  | 104  | 74   |
| A 88-12   | 45    | 60   |                     | 244 | 240 | 234 | 227 | 217 | 207 | 198 | 190 | 173  | 154  | 130  | 99   |
| A 88-13   | 55    | 75   |                     | 263 | 259 | 252 | 244 | 235 | 224 | 214 | 205 | 187  | 166  | 139  | 107  |
| A 88-14   | 55    | 75   |                     | 282 | 278 | 272 | 264 | 254 | 242 | 231 | 221 | 201  | 180  | 151  | 116  |
| A 88-15   | 55    | 75   |                     | 302 | 298 | 292 | 284 | 273 | 260 | 248 | 237 | 215  | 191  | 160  | 120  |
| A 88-16   | 63    | 85   |                     | 322 | 318 | 312 | 302 | 290 | 278 | 265 | 252 | 228  | 202  | 172  | 132  |
| A 88-17   | 63    | 85   |                     | 345 | 340 | 333 | 323 | 310 | 296 | 281 | 268 | 243  | 216  | 181  | 138  |
| A 88-18   | 63    | 85   |                     | 365 | 359 | 352 | 341 | 328 | 312 | 298 | 285 | 260  | 230  | 193  | 147  |
| A 88-19   | 75    | 100  | 383                 | 378 | 371 | 361 | 347 | 331 | 314 | 299 | 271 | 241  | 202  | 155  |      |
| A 88-20   | 75    | 100  | 402                 | 397 | 389 | 379 | 364 | 347 | 330 | 315 | 287 | 254  | 212  | 159  |      |
| A 88-21   | 75    | 100  | 422                 | 416 | 409 | 398 | 383 | 365 | 347 | 330 | 300 | 267  | 223  | 167  |      |
| A 88-22   | 93    | 125  | 442                 | 436 | 428 | 417 | 401 | 382 | 363 | 345 | 313 | 278  | 233  | 175  |      |

\*Higher pressure , longer stages pumps up to 22 stages are available on request.

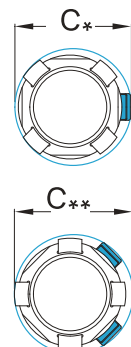
## Dimensions and weights

| Pump Type | Motor Dia. | Dimensions (mm)      |     |     |          |     |     | Net Weight (Kg) |
|-----------|------------|----------------------|-----|-----|----------|-----|-----|-----------------|
|           |            | 5"Connection(RP,NPT) |     |     | 5"Flange |     |     |                 |
|           |            | A                    | C*  | C** | A        | C*  | C** | Pump            |
| A 88-1    | 6"         | 618                  | 178 | 186 | 618      | 200 | 200 | 25.1            |
| A 88-2B   | 6"         | 746                  | 178 | 186 | 746      | 200 | 200 | 28.7            |
| A 88-2    | 6"         | 746                  | 178 | 186 | 746      | 200 | 200 | 28.7            |
| A 88-3B   | 6"         | 874                  | 178 | 186 | 874      | 200 | 200 | 32.3            |
| A 88-3    | 6"         | 874                  | 178 | 186 | 874      | 200 | 200 | 32.3            |
| A 88-4B   | 6"         | 1003                 | 178 | 186 | 1003     | 200 | 200 | 35.9            |
| A 88-4    | 6"         | 1003                 | 178 | 186 | 1003     | 200 | 200 | 35.9            |
| A 88-5    | 6"         | 1131                 | 178 | 186 | 1131     | 200 | 200 | 39.5            |
| A 88-6    | 6"         | 1259                 | 178 | 186 | 1259     | 200 | 200 | 43              |
| A 88-7    | 6"         | 1387                 | 178 | 186 | 1387     | 200 | 200 | 46.6            |
| A 88-8B   | 6"         | 1515                 | 178 | 186 | 1515     | 200 | 200 | 50.2            |
| A 88-8    | 6"         | 1515                 | 178 | 186 | 1515     | 200 | 200 | 50.2            |
| A 88-9    | 6"         | 1644                 | 178 | 186 | 1644     | 200 | 200 | 53.8            |
| A 88-10   | 6"         | 1772                 | 178 | 186 | 1772     | 200 | 200 | 57.4            |
| A 88-11   | 6"         | 1900                 | 178 | 186 | 1900     | 200 | 200 | 61              |
| A 88-12   | 8"         | 2039                 | 200 | 204 | 2039     | 209 | 209 | 67              |
| A 88-13   | 8"         | 2168                 | 200 | 204 | 2168     | 209 | 209 | 70.6            |
| A 88-14   | 8"         | 2296                 | 200 | 204 | 2296     | 209 | 209 | 74.2            |
| A 88-15   | 8"         | 2424                 | 200 | 204 |          |     |     | 77.8            |
| A 88-16   | 8"         | 2552                 | 200 | 204 |          |     |     | 81.4            |
| A 88-17   | 8"         | 2680                 | 200 | 204 |          |     |     | 85.2            |
| A 88-18   | 8"         | 2809                 | 200 | 204 |          |     |     | 88.6            |
| A 88-19   | 8"         | 2937                 | 200 | 204 |          |     |     | 92.2            |
| A 88-20   | 8"         | 3065                 | 200 | 204 |          |     |     | 95.8            |
| A 88-21   | 8"         | 3193                 | 200 | 204 |          |     |     | 99.4            |
| A 88-22   | 8"         | 3321                 | 200 | 204 |          |     |     | 103             |

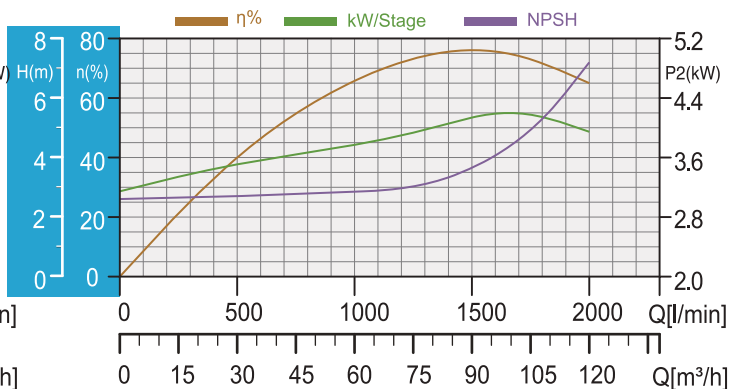
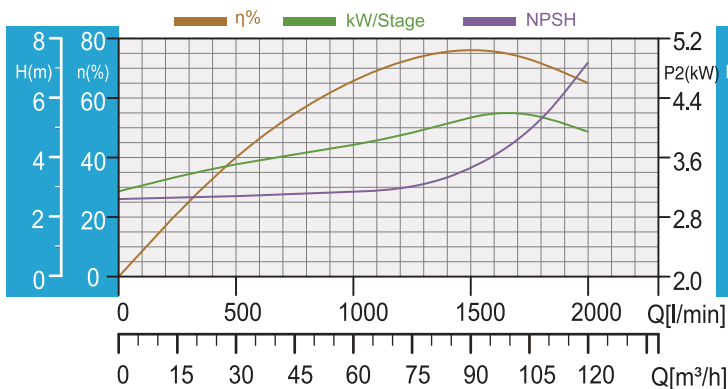
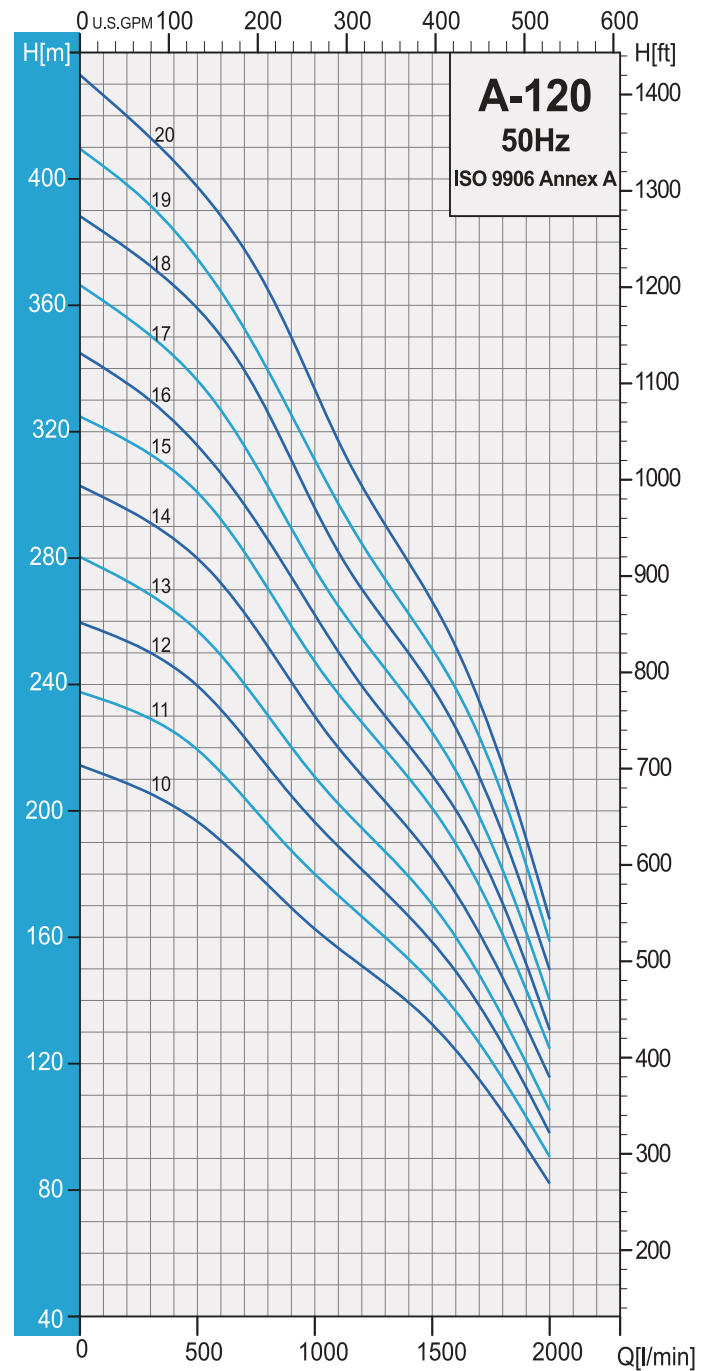
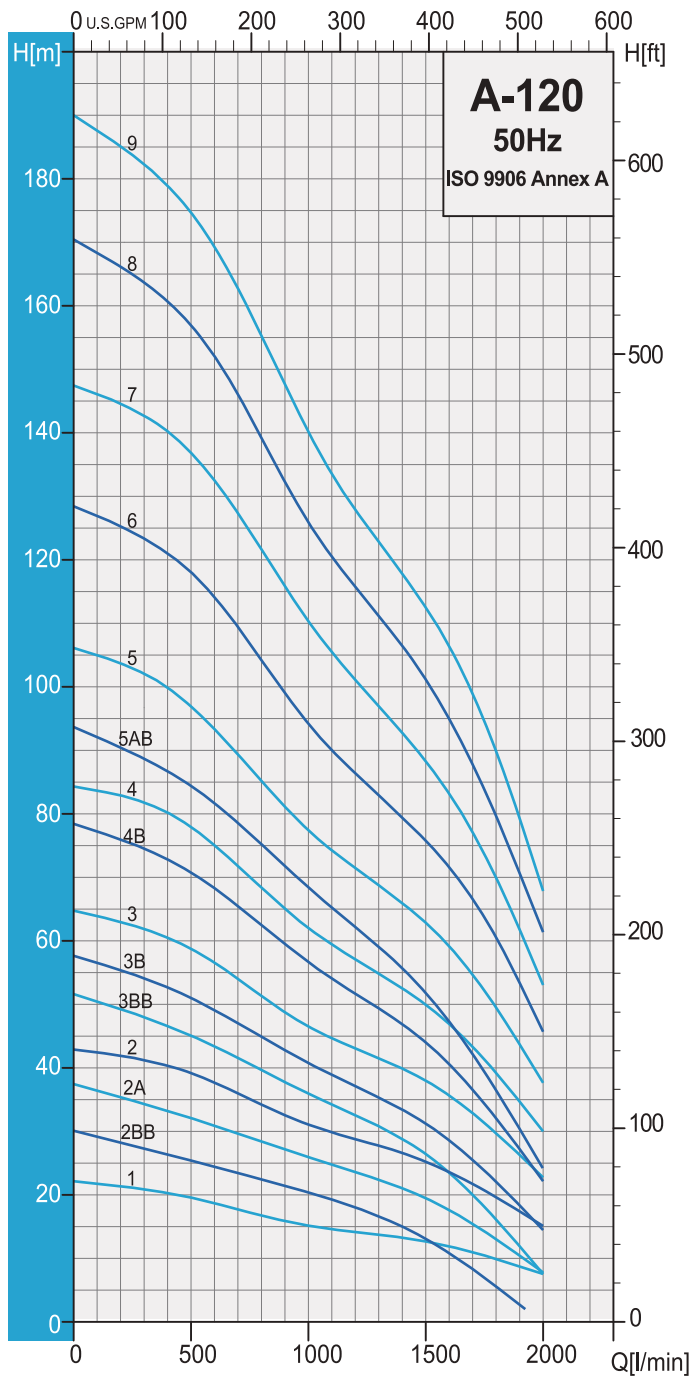
C\*: Maximum diameter of pump with one motor cable  
C\*\*: Maximum diameter of pump with two motor cable



5" Flange



## Performance Curves



# Selection Chart

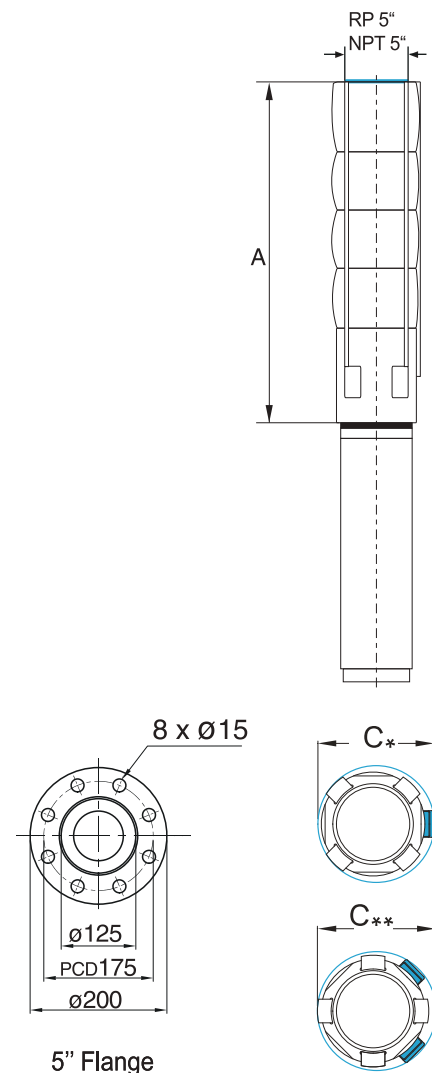
50Hz

| Pump Type | Motor |      | Q capacity 2850 rpm |     |     |     |     |     |     |      |      |      |      |      |      |
|-----------|-------|------|---------------------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
|           | P2    |      | m³/h<br>l/min       | 18  | 24  | 30  | 36  | 42  | 48  | 60   | 72   | 84   | 96   | 108  | 120  |
|           | KW    | HP   |                     | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 |
| A 120-1   | 5.5   | 7.5  | HEAD IN METERS      | 21  | 20  | 19  | 18  | 18  | 17  | 15   | 14   | 13   | 12   | 10   | 8    |
| A 120-2BB | 5.5   | 7.5  |                     | 27  | 26  | 25  | 24  | 23  | 22  | 20   | 18   | 15   | 11   | 5    | -    |
| A 120-2A  | 7.5   | 10   |                     | 34  | 33  | 32  | 31  | 30  | 28  | 26   | 24   | 21   | 17   | 13   | 8    |
| A 120-2   | 9.3   | 12.5 |                     | 41  | 40  | 39  | 37  | 36  | 34  | 31   | 29   | 26   | 23   | 20   | 15   |
| A 120-3BB | 9.3   | 12.5 |                     | 48  | 46  | 45  | 43  | 41  | 40  | 36   | 33   | 28   | 23   | 16   | 8    |
| A 120-3B  | 11    | 15   |                     | 54  | 53  | 51  | 49  | 47  | 45  | 41   | 37   | 33   | 28   | 22   | 15   |
| A 120-3   | 13    | 17.5 |                     | 62  | 60  | 59  | 57  | 54  | 51  | 47   | 43   | 40   | 35   | 30   | 23   |
| A 120-4B  | 15    | 20   |                     | 74  | 73  | 71  | 68  | 65  | 62  | 56   | 52   | 47   | 40   | 32   | 22   |
| A 120-4   | 18.5  | 25   |                     | 82  | 80  | 78  | 75  | 72  | 68  | 62   | 57   | 53   | 47   | 39   | 30   |
| A 120-5AB | 18.5  | 25   |                     | 89  | 87  | 84  | 82  | 78  | 75  | 68   | 62   | 55   | 47   | 36   | 25   |
| A 120-5   | 22    | 30   |                     | 102 | 100 | 97  | 94  | 90  | 85  | 77   | 72   | 66   | 59   | 50   | 38   |
| A 120-6   | 26    | 35   |                     | 123 | 121 | 118 | 114 | 110 | 104 | 94   | 86   | 79   | 72   | 60   | 46   |
| A 120-7   | 30    | 40   |                     | 143 | 140 | 137 | 132 | 127 | 121 | 110  | 101  | 93   | 83   | 70   | 53   |
| A 120-8   | 37    | 50   |                     | 164 | 160 | 157 | 152 | 146 | 139 | 126  | 116  | 106  | 95   | 80   | 62   |
| A 120-9   | 37    | 50   |                     | 182 | 179 | 175 | 169 | 163 | 155 | 140  | 128  | 118  | 106  | 90   | 68   |
| A 120-10  | 45    | 60   |                     | 206 | 201 | 197 | 190 | 183 | 177 | 162  | 150  | 140  | 124  | 105  | 82   |
| A 120-11  | 55    | 75   |                     | 230 | 225 | 220 | 212 | 204 | 196 | 180  | 167  | 152  | 137  | 116  | 90   |
| A 120-12  | 55    | 75   |                     | 250 | 245 | 240 | 231 | 222 | 214 | 197  | 181  | 167  | 150  | 126  | 99   |
| A 120-13  | 55    | 75   |                     | 268 | 263 | 258 | 250 | 240 | 230 | 210  | 195  | 180  | 160  | 135  | 106  |
| A 120-14  | 63    | 85   |                     | 291 | 286 | 280 | 271 | 261 | 251 | 230  | 210  | 194  | 174  | 147  | 116  |
| A 120-15  | 75    | 100  |                     | 312 | 308 | 300 | 292 | 281 | 270 | 248  | 228  | 210  | 190  | 160  | 126  |
| A 120-16  | 75    | 100  |                     | 330 | 323 | 316 | 307 | 297 | 286 | 262  | 240  | 221  | 200  | 171  | 131  |
| A 120-17  | 75    | 100  |                     | 350 | 344 | 336 | 327 | 316 | 302 | 277  | 255  | 235  | 212  | 180  | 140  |
| A 120-18  | 93    | 125  |                     | 372 | 366 | 360 | 350 | 340 | 326 | 296  | 270  | 250  | 227  | 192  | 150  |
| A 120-19  | 93    | 125  |                     | 392 | 384 | 375 | 364 | 353 | 339 | 311  | 285  | 262  | 239  | 205  | 159  |
| A 120-20  | 93    | 125  |                     | 412 | 406 | 397 | 388 | 378 | 365 | 333  | 302  | 279  | 251  | 214  | 166  |

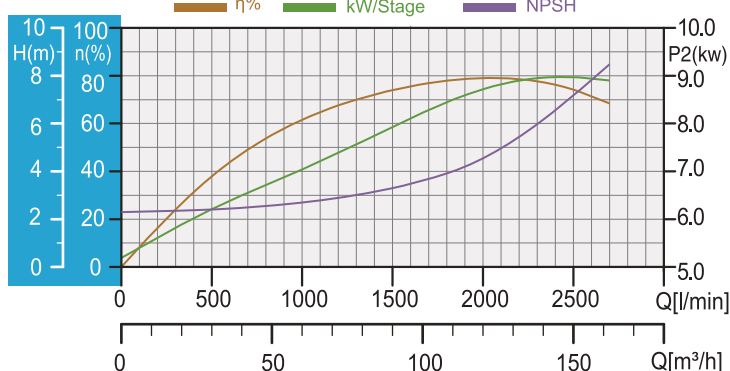
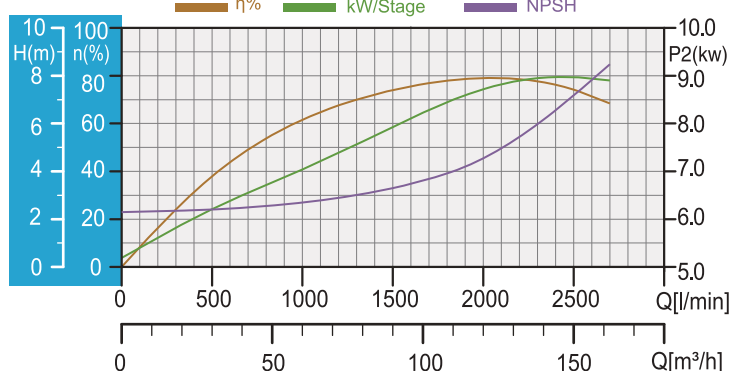
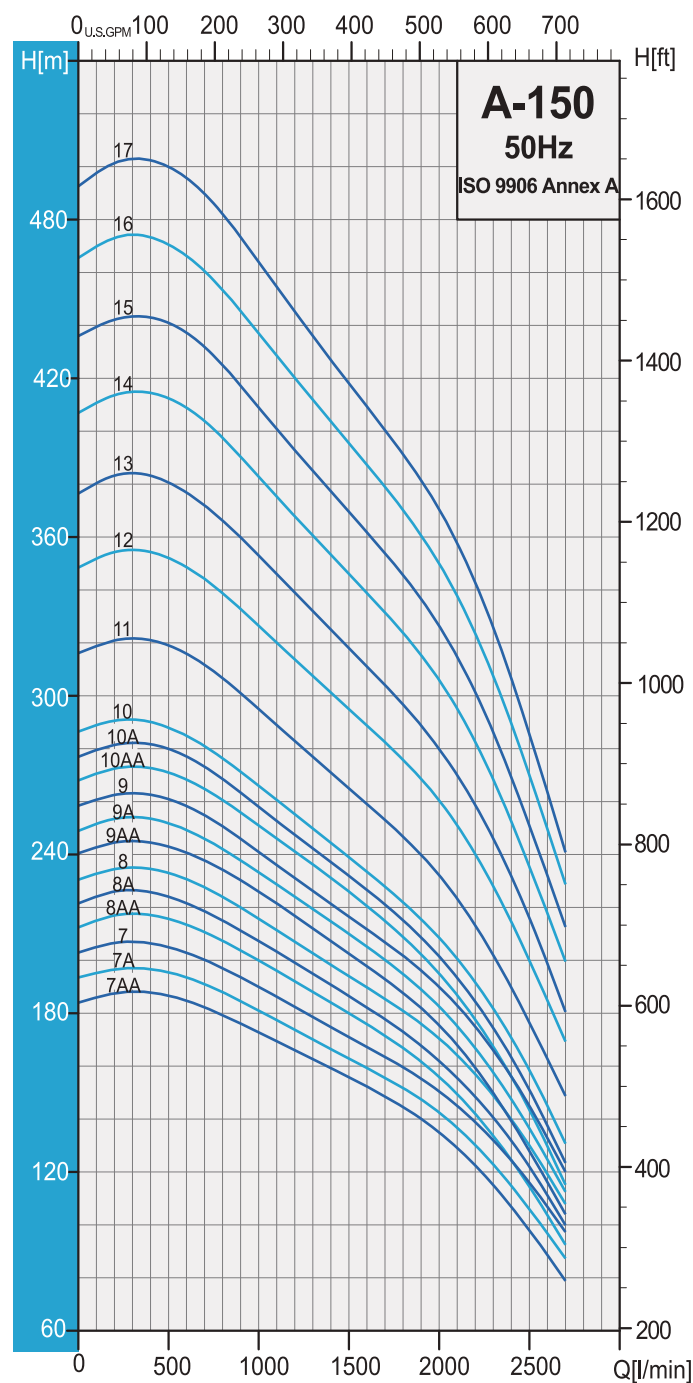
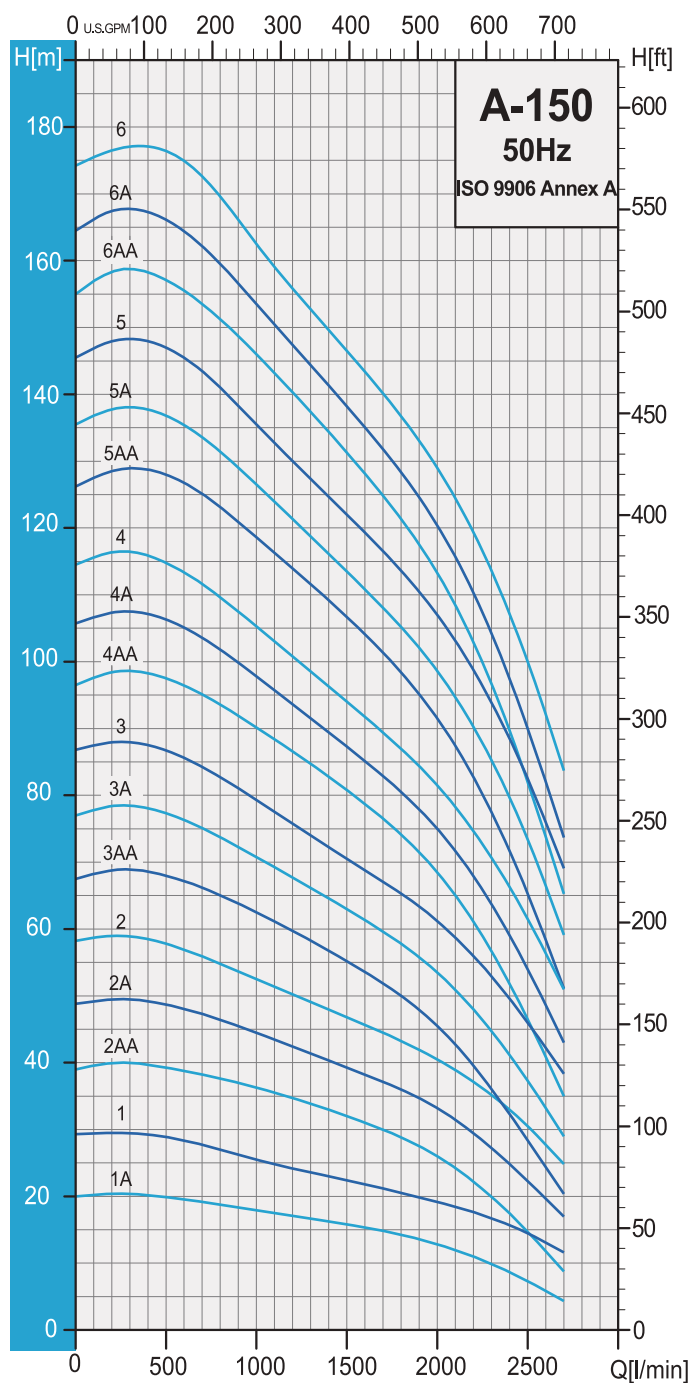
## Dimensions and weights

| Pump Type | Motor Dia. | Dimensions (mm)      |     |     |          |     |     | Net Weight |
|-----------|------------|----------------------|-----|-----|----------|-----|-----|------------|
|           |            | 5"Connection(RP,NPT) |     |     | 5"Flange |     |     | (Kg)       |
|           |            | A                    | C*  | C** | A        | C*  | C** | Pump       |
| A 120-1   | 6"         | 618                  | 178 | 186 | 618      | 200 | 200 | 25.1       |
| A 120-2BB | 6"         | 746                  | 178 | 186 | 746      | 200 | 200 | 28.7       |
| A 120-2A  | 6"         | 746                  | 178 | 186 | 746      | 200 | 200 | 28.7       |
| A 120-2   | 6"         | 746                  | 178 | 186 | 746      | 200 | 200 | 28.7       |
| A 120-3BB | 6"         | 874                  | 178 | 186 | 874      | 200 | 200 | 32.3       |
| A 120-3B  | 6"         | 874                  | 178 | 186 | 874      | 200 | 200 | 32.3       |
| A 120-3"  | 6"         | 874                  | 178 | 186 | 874      | 200 | 200 | 32.3       |
| A 120-4B  | 6"         | 1003                 | 178 | 186 | 1003     | 200 | 200 | 35.9       |
| A 120-4   | 6"         | 1003                 | 178 | 186 | 1003     | 200 | 200 | 35.9       |
| A 120-5AB | 6"         | 1131                 | 178 | 186 | 1131     | 200 | 200 | 39.5       |
| A 120-5   | 6"         | 1131                 | 178 | 186 | 1131     | 200 | 200 | 39.5       |
| A 120-6   | 6"         | 1259                 | 178 | 186 | 1259     | 200 | 200 | 43         |
| A 120-7   | 6"         | 1387                 | 178 | 186 | 1387     | 200 | 200 | 46.6       |
| A 120-8   | 6"         | 1515                 | 178 | 186 | 1515     | 200 | 200 | 50.2       |
| A 120-9   | 6"         | 1644                 | 178 | 186 | 1644     | 200 | 200 | 53.8       |
| A 120-10  | 8"         | 1783                 | 196 | 204 | 1783     | 205 | 205 | 60.1       |
| A 120-11  | 8"         | 1911                 | 196 | 204 | 1911     | 205 | 205 | 63.7       |
| A 120-12  | 8"         | 2039                 | 196 | 204 | 2039     | 205 | 205 | 67.3       |
| A 120-13  | 8"         | 2168                 | 196 | 204 | 2168     | 205 | 205 | 71         |
| A 120-14  | 8"         | 2296                 | 196 | 204 | 2296     | 205 | 205 | 74.6       |
| A 120-15  | 8"         | 2424                 | 196 | 204 |          |     |     | 78.2       |
| A 120-16  | 8"         | 2552                 | 196 | 204 |          |     |     | 81.8       |
| A 120-17  | 8"         | 2680                 | 196 | 204 |          |     |     | 85.4       |
| A 120-18  | 8"         | 2809                 | 196 | 204 |          |     |     | 89         |
| A 120-19  | 8"         | 2937                 | 196 | 204 |          |     |     | 92.6       |
| A 120-20  | 8"         | 3065                 | 196 | 204 |          |     |     | 96.2       |

C\*: Maximum diameter of pump with one motor cable  
C\*\*: Maximum diameter of pump with two motor cable



## Performance Curves



# Selection Chart

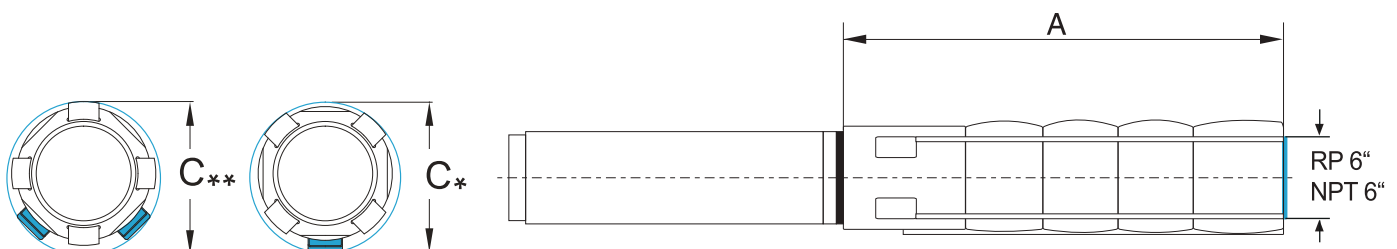
50Hz

# Dimensions and weights

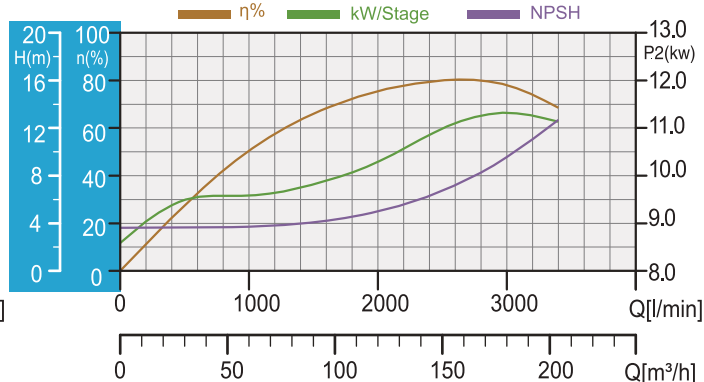
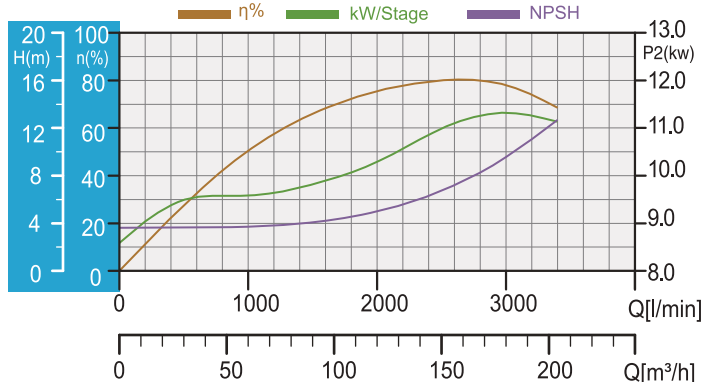
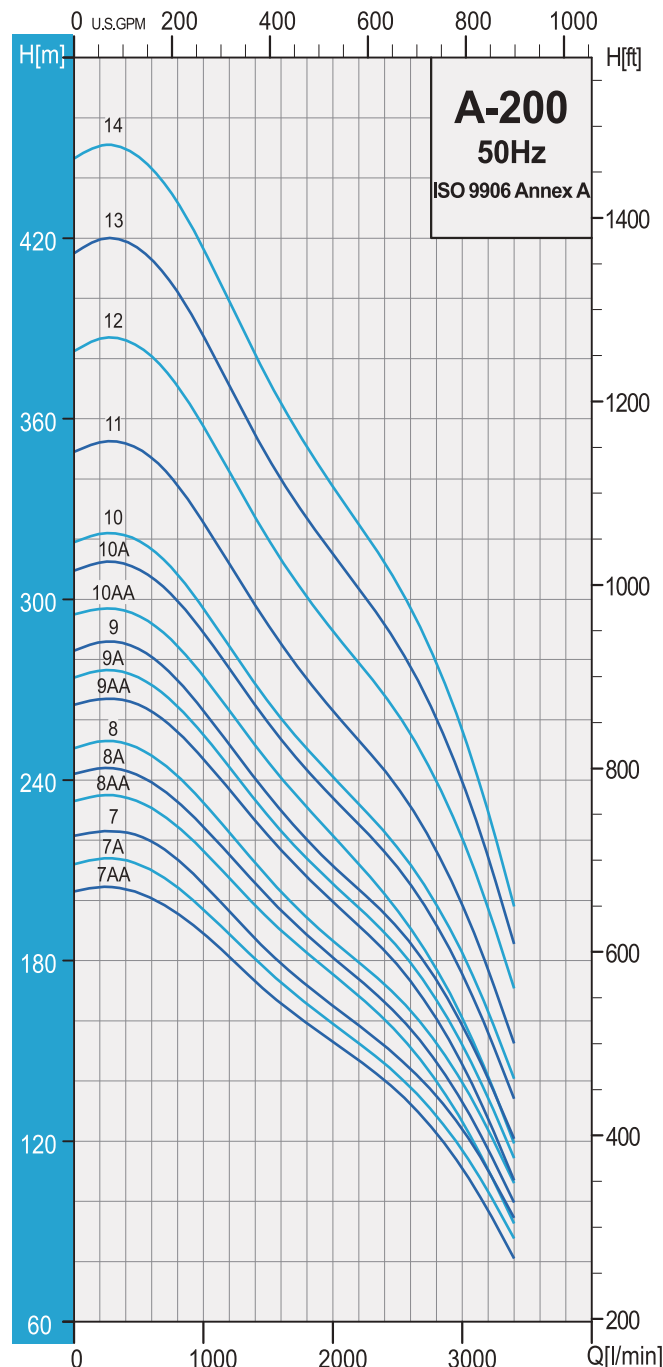
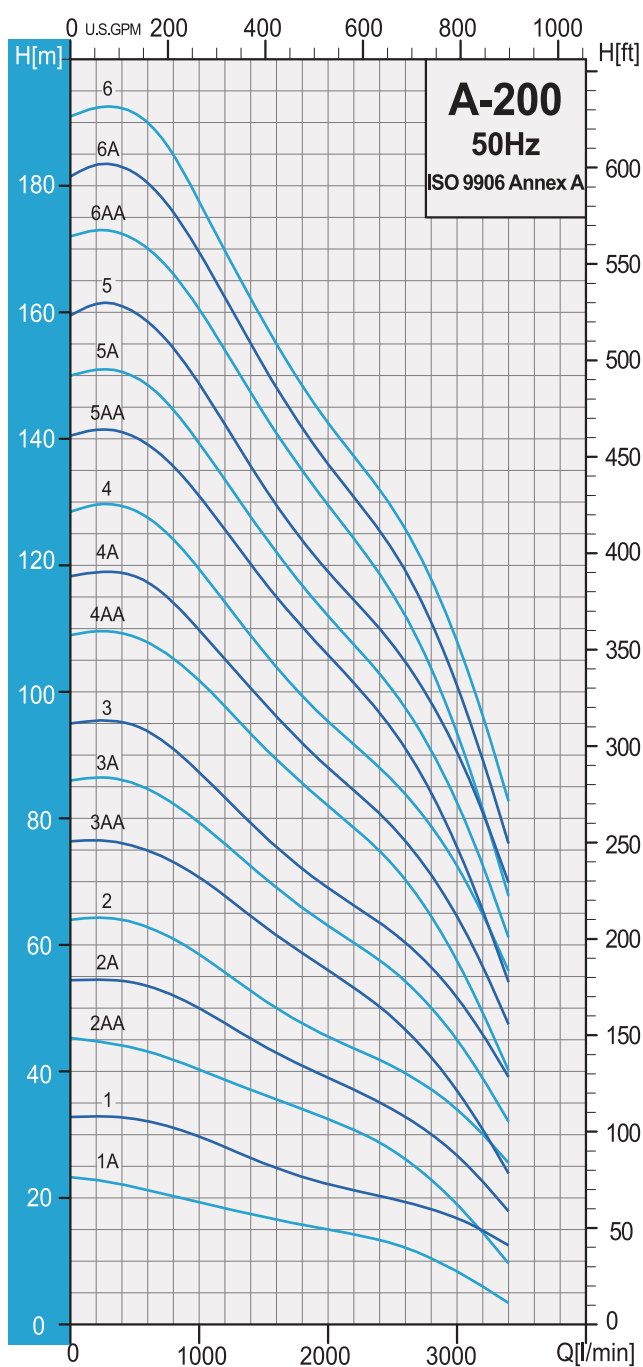
| Pump Type   | Motor |               | Q capacity 2850 rpm |     |     |     |      |      |      |      |      |      |      |      |      |  |
|-------------|-------|---------------|---------------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|--|
|             | P2    | m³/h<br>l/min | 30                  | 42  | 54  | 66  | 78   | 90   | 102  | 114  | 126  | 138  | 150  | 162  |      |  |
|             | KW    |               | HP                  | 500 | 700 | 900 | 1100 | 1300 | 1500 | 1700 | 1900 | 2100 | 2300 | 2500 | 2700 |  |
| A 150-1-A   | 7.5   | 10            | HEAD IN METERS      | 20  | 19  | 18  | 18   | 17   | 16   | 15   | 14   | 12   | 10   | 7    | 4    |  |
| A 150-1     | 11    | 15            |                     | 29  | 28  | 26  | 25   | 24   | 22   | 22   | 20   | 18   | 17   | 15   | 12   |  |
| A 150-2-AA  | 13    | 17.5          |                     | 39  | 38  | 37  | 36   | 34   | 32   | 30   | 28   | 24   | 20   | 15   | 9    |  |
| A 150-2-A   | 18.5  | 25            |                     | 49  | 48  | 46  | 44   | 41   | 39   | 38   | 35   | 32   | 28   | 22   | 17   |  |
| A 150-2     | 22    | 30            |                     | 58  | 56  | 54  | 52   | 49   | 47   | 44   | 42   | 39   | 35   | 31   | 25   |  |
| A 150-3-AA  | 22    | 30            |                     | 68  | 66  | 64  | 61   | 58   | 55   | 52   | 48   | 43   | 36   | 29   | 20   |  |
| A 150-3-A   | 26    | 35            |                     | 77  | 75  | 73  | 69   | 66   | 63   | 60   | 56   | 51   | 45   | 37   | 29   |  |
| A 150-3     | 30    | 40            |                     | 87  | 89  | 81  | 78   | 74   | 71   | 68   | 63   | 58   | 53   | 46   | 39   |  |
| A 150-4-AA  | 37    | 50            |                     | 98  | 95  | 92  | 88   | 85   | 81   | 77   | 72   | 65   | 67   | 47   | 35   |  |
| A 150-4-A   | 37    | 50            |                     | 106 | 104 | 100 | 96   | 92   | 87   | 83   | 78   | 72   | 64   | 54   | 43   |  |
| A 150-4     | 37    | 50            |                     | 115 | 112 | 108 | 103  | 98   | 94   | 89   | 84   | 78   | 71   | 62   | 51   |  |
| A 150-5-AA  | 45    | 60            |                     | 128 | 125 | 121 | 116  | 112  | 107  | 101  | 95   | 87   | 78   | 65   | 51   |  |
| A 150-5-A   | 45    | 60            |                     | 137 | 133 | 129 | 124  | 119  | 114  | 108  | 102  | 95   | 85   | 73   | 59   |  |
| A 150-5     | 55    | 75            |                     | 147 | 144 | 138 | 133  | 128  | 122  | 117  | 111  | 103  | 94   | 83   | 69   |  |
| A 150-6-AA  | 55    | 75            |                     | 157 | 154 | 149 | 143  | 138  | 131  | 125  | 118  | 108  | 97   | 82   | 65   |  |
| A 150-6-A   | 55    | 75            |                     | 166 | 162 | 156 | 151  | 144  | 138  | 132  | 125  | 116  | 104  | 90   | 74   |  |
| A 150-6     | 63    | 85            |                     | 176 | 173 | 166 | 159  | 153  | 147  | 140  | 133  | 124  | 114  | 100  | 84   |  |
| A 150-7-AA  | 63    | 85            |                     | 187 | 183 | 176 | 170  | 163  | 156  | 148  | 140  | 129  | 115  | 98   | 79   |  |
| A 150-7-A   | 63    | 85            |                     | 196 | 191 | 185 | 178  | 170  | 163  | 155  | 148  | 137  | 123  | 106  | 83   |  |
| A 150-7     | 75    | 100           |                     | 205 | 200 | 194 | 186  | 178  | 171  | 164  | 155  | 145  | 132  | 116  | 98   |  |
| A 150-8-AA  | 75    | 100           |                     | 216 | 211 | 204 | 196  | 188  | 180  | 172  | 162  | 149  | 134  | 115  | 93   |  |
| A 150-8-A   | 75    | 100           |                     | 224 | 218 | 212 | 204  | 195  | 187  | 178  | 168  | 156  | 141  | 122  | 100  |  |
| A 150-8     | 75    | 100           |                     | 233 | 227 | 220 | 212  | 203  | 194  | 186  | 176  | 165  | 149  | 130  | 108  |  |
| A 150-9-AA  | 93    | 125           |                     | 243 | 238 | 230 | 221  | 212  | 203  | 193  | 182  | 168  | 150  | 128  | 104  |  |
| A 150-9-A   | 93    | 125           |                     | 252 | 245 | 237 | 228  | 219  | 210  | 200  | 189  | 175  | 158  | 137  | 113  |  |
| A 150-9     | 93    | 125           |                     | 261 | 255 | 246 | 236  | 226  | 217  | 207  | 196  | 183  | 166  | 145  | 120  |  |
| A 150-10-AA | 93    | 125           |                     | 271 | 265 | 256 | 246  | 236  | 226  | 215  | 203  | 186  | 167  | 144  | 115  |  |
| A 150-10-A  | 93    | 125           |                     | 280 | 273 | 264 | 253  | 243  | 232  | 221  | 209  | 193  | 175  | 151  | 123  |  |
| A 150-10    | 93    | 125           |                     | 288 | 281 | 271 | 261  | 250  | 239  | 227  | 215  | 201  | 182  | 159  | 131  |  |
| A 150-11    | 110   | 150           |                     | 319 | 312 | 301 | 289  | 277  | 265  | 254  | 240  | 223  | 202  | 177  | 149  |  |
| A 150-12    | 132   | 175           |                     | 352 | 345 | 333 | 320  | 308  | 295  | 283  | 269  | 251  | 228  | 200  | 169  |  |
| A 150-13    | 132   | 175           |                     | 381 | 372 | 360 | 346  | 332  | 318  | 304  | 289  | 270  | 246  | 216  | 180  |  |
| A 150-14    | 147   | 200           |                     | 413 | 404 | 390 | 375  | 361  | 346  | 332  | 316  | 295  | 269  | 236  | 200  |  |
| A 150-15    | 147   | 200           |                     | 441 | 431 | 417 | 401  | 385  | 370  | 354  | 336  | 315  | 286  | 251  | 213  |  |
| A 150-16    | 170   | 230           |                     | 471 | 460 | 445 | 428  | 412  | 396  | 379  | 361  | 338  | 308  | 270  | 229  |  |
| A 150-17    | 170   | 230           |                     | 500 | 490 | 473 | 455  | 436  | 418  | 406  | 382  | 358  | 325  | 286  | 241  |  |

| Pump Type   | Motor Dia. | Dimensions (mm) |            |     | Net Weight (Kg)<br>Pump |
|-------------|------------|-----------------|------------|-----|-------------------------|
|             |            | A               | C*         | C** |                         |
| A 150-1-A   | 6"         | 652             | 211        | 218 | 29.2                    |
| A 150-1     | 6"         | 652             | 211        | 218 | 29.3                    |
| A 150-2-AA  | 6"         | 807             | 211        | 218 | 35.6                    |
| A 150-2-A   | 6"         | 807             | 211        | 218 | 35.7                    |
| A 150-2     | 6"         | 807             | 211        | 218 | 35.8                    |
| A 150-3-AA  | 6"         | 963             | 211        | 218 | 42.1                    |
| A 150-3-A   | 6"         | 963             | 211        | 218 | 42.2                    |
| A 150-3     | 6"         | 963             | 211<br>213 | 218 | 42.3<br>47.1            |
| A 150-4-AA  | 6"         | 1118            | 211<br>213 | 218 | 48.6<br>51.9            |
| A 150-4-A   | 6"         | 1118            | 211<br>213 | 218 | 48.7<br>52.0            |
| A 150-4     | 6"         | 1118            | 211<br>213 | 218 | 48.8<br>52.1            |
| A 150-5-AA  | 6"         | 1274            | 211<br>213 | 218 | 55.1<br>56.9            |
| A 150-5-A   | 6"         | 1274            | 211<br>213 | 218 | 55.2<br>57.0            |
| A 150-5     | 8"         | 1274            | 213        | 218 | 57.1                    |
| A 150-6-AA  | 8"         | 1429            | 213        | 218 | 61.9                    |
| A 150-6-A   | 8"         | 1429            | 213        | 218 | 62.0                    |
| A 150-6     | 8"         | 1429            | 218        | 227 | 62.1                    |
| A 150-7-AA  | 8"         | 1585            | 218        | 227 | 66.9                    |
| A 150-7-A   | 8"         | 1585            | 218        | 227 | 67.0                    |
| A 150-7     | 8"         | 1585            | 218        | 227 | 67.1                    |
| A 150-8-AA  | 8"         | 1740            | 218        | 227 | 71.9                    |
| A 150-8-A   | 8"         | 1740            | 218        | 227 | 72.0                    |
| A 150-8     | 8"         | 1740            | 218        | 227 | 72.1                    |
| A 150-9-AA  | 8"         | 1896            | 218        | 227 | 76.9                    |
| A 150-9-A   | 8"         | 1896            | 218        | 227 | 77.0                    |
| A 150-9     | 8"         | 1896            | 218        | 227 | 77.1                    |
| A 150-10-AA | 8"         | 2051            | 218        | 227 | 81.9                    |
| A 150-10-A  | 8"         | 2051            | 218        | 227 | 82.0                    |
| A 150-10    | 8"         | 2051            | 218        | 227 | 82.1                    |
| A 150-11    | 8"         | 2207            | 218        | 227 | 87.1                    |
| A 150-12    | 10"        | 2492            | 227        | 247 | 109.5                   |
| A 150-13    | 10"        | 2648            | 227        | 247 | 116.0                   |
| A 150-14    | 10"        | 2803            | 227        | 247 | 122.5                   |
| A 150-15    | 10"        | 2959            | 227        | 247 | 129.0                   |
| A 150-16    | 10"        | 3114            | 227        | 247 | 135.5                   |
| A 150-17    | 10"        | 3270            | 227        | 247 | 142.0                   |

C\*: Maximum diameter of pump with one motor cable  
C\*\*: Maximum diameter of pump with two motor cable



## Performance Curves



## Selection Chart

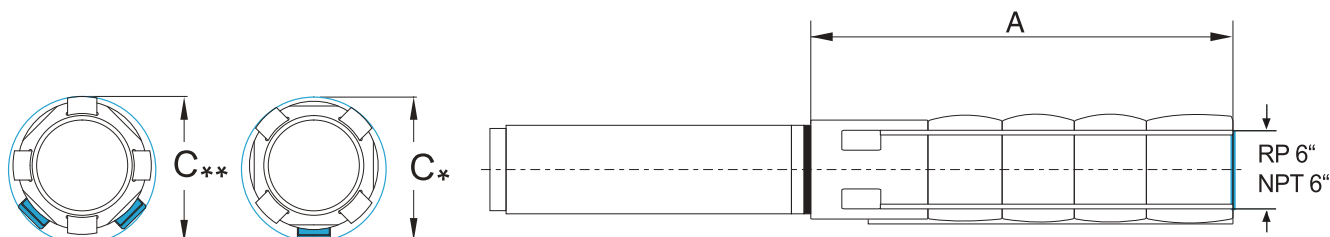
# 50Hz

## Dimensions and weights

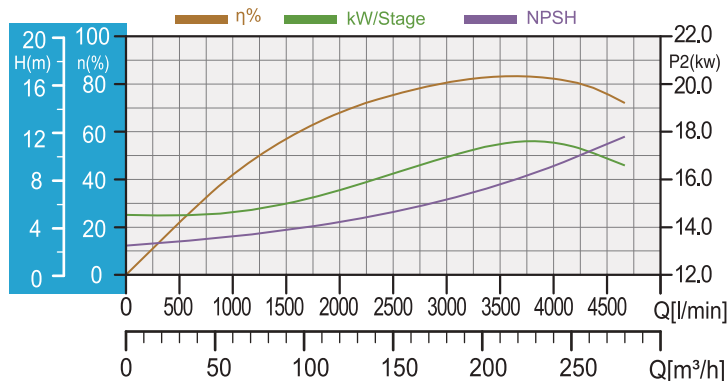
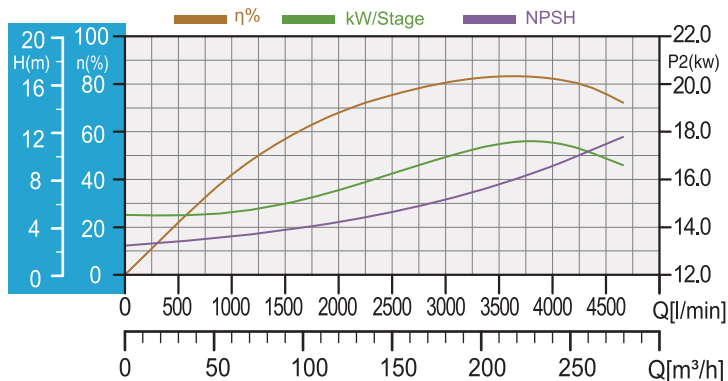
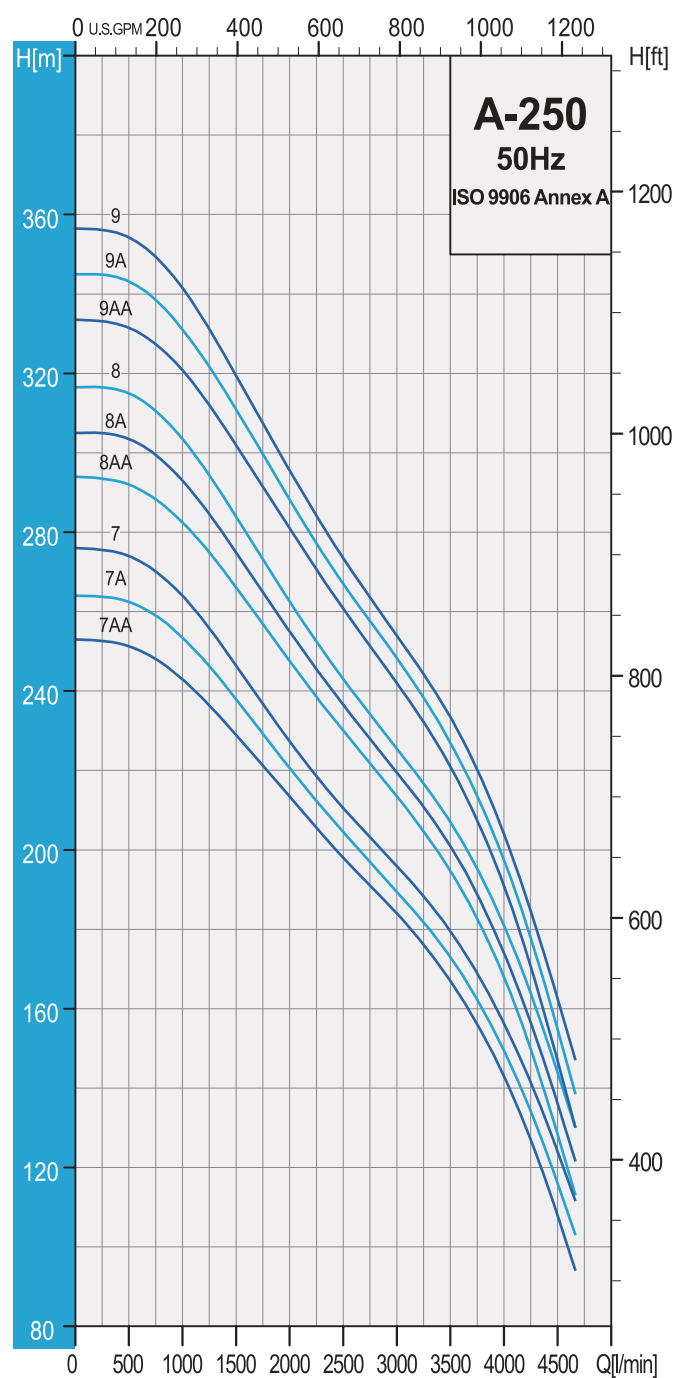
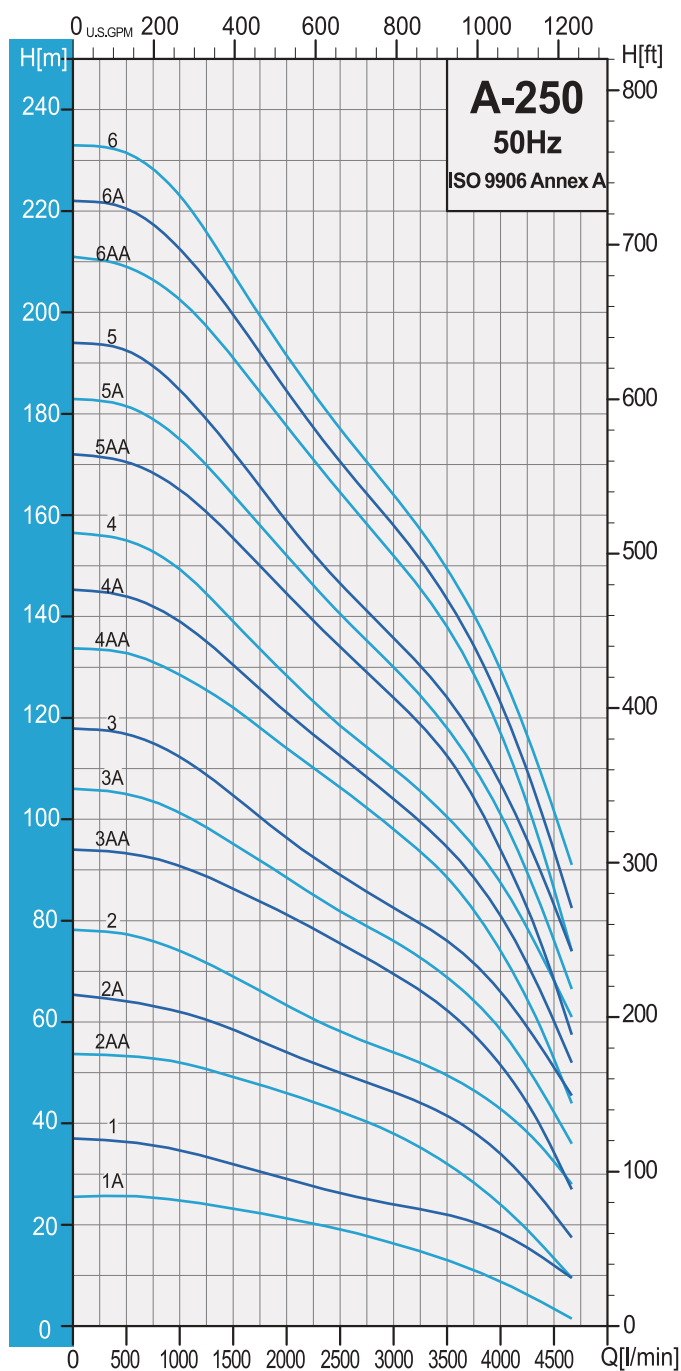
| Pump Type   | Motor |      | Q capacity 2850 rpm |     |     |      |      |      |      |      |      |      |      |
|-------------|-------|------|---------------------|-----|-----|------|------|------|------|------|------|------|------|
|             | P2    |      | m³/h<br>l/min       | 36  | 54  | 72   | 90   | 108  | 126  | 144  | 162  | 180  | 198  |
|             | KW    | HP   |                     | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 | 3000 | 3300 |
| A 200-1-A   | 9.2   | 12.5 | HEAD IN METERS      | 21  | 20  | 18   | 17   | 16   | 15   | 13   | 12   | 8    | 5    |
| A 200-1     | 13    | 17.5 |                     | 32  | 31  | 28   | 25   | 24   | 22   | 20   | 19   | 17   | 14   |
| A 200-2-AA  | 18.5  | 25   |                     | 43  | 41  | 39   | 36   | 34   | 32   | 29   | 25   | 19   | 12   |
| A 200-2-A   | 22    | 30   |                     | 53  | 51  | 48   | 44   | 41   | 38   | 35   | 32   | 27   | 20   |
| A 200-2     | 26    | 35   |                     | 63  | 60  | 56   | 51   | 48   | 45   | 42   | 38   | 34   | 28   |
| A 200-3-AA  | 30    | 40   |                     | 75  | 72  | 68   | 63   | 59   | 55   | 50   | 45   | 37   | 28   |
| A 200-3-A   | 37    | 50   |                     | 85  | 81  | 76   | 71   | 66   | 62   | 58   | 52   | 45   | 36   |
| A 200-3     | 37    | 50   |                     | 94  | 89  | 83   | 78   | 72   | 68   | 64   | 59   | 52   | 43   |
| A 200-4-AA  | 45    | 60   |                     | 108 | 104 | 98   | 91   | 85   | 80   | 75   | 68   | 57   | 45   |
| A 200-4-A   | 45    | 60   |                     | 117 | 112 | 105  | 98   | 92   | 86   | 81   | 74   | 65   | 52   |
| A 200-4     | 55    | 75   |                     | 128 | 122 | 114  | 106  | 99   | 94   | 88   | 81   | 73   | 61   |
| A 200-5-AA  | 55    | 75   |                     | 139 | 134 | 126  | 118  | 110  | 104  | 97   | 88   | 75   | 60   |
| A 200-5-A   | 55    | 75   |                     | 148 | 142 | 134  | 125  | 117  | 110  | 103  | 94   | 82   | 67   |
| A 200-5     | 63    | 85   |                     | 158 | 152 | 142  | 132  | 124  | 117  | 110  | 102  | 90   | 76   |
| A 200-6-AA  | 63    | 85   |                     | 170 | 163 | 154  | 144  | 135  | 127  | 119  | 108  | 93   | 75   |
| A 200-6-A   | 75    | 100  |                     | 180 | 173 | 162  | 152  | 142  | 133  | 125  | 115  | 101  | 83   |
| A 200-6     | 75    | 100  |                     | 190 | 182 | 170  | 158  | 148  | 140  | 132  | 122  | 108  | 90   |
| A 200-7-AA  | 75    | 100  |                     | 200 | 193 | 181  | 169  | 159  | 150  | 140  | 128  | 111  | 89   |
| A 200-7-A   | 92    | 125  |                     | 210 | 201 | 188  | 177  | 166  | 156  | 146  | 134  | 117  | 96   |
| A 200-7     | 92    | 125  |                     | 220 | 210 | 196  | 183  | 172  | 162  | 152  | 140  | 124  | 102  |
| A 200-8-AA  | 92    | 125  |                     | 230 | 220 | 208  | 194  | 183  | 172  | 160  | 146  | 126  | 102  |
| A 200-8-A   | 92    | 125  |                     | 239 | 229 | 215  | 201  | 189  | 177  | 167  | 152  | 133  | 108  |
| A 200-8     | 92    | 125  |                     | 248 | 237 | 222  | 208  | 194  | 183  | 172  | 158  | 140  | 115  |
| A 200-9-AA  | 110   | 150  |                     | 263 | 252 | 237  | 222  | 208  | 196  | 183  | 167  | 146  | 117  |
| A 200-9-A   | 110   | 150  |                     | 272 | 260 | 244  | 228  | 214  | 202  | 189  | 174  | 152  | 124  |
| A 200-9     | 110   | 150  |                     | 281 | 268 | 252  | 235  | 220  | 207  | 196  | 180  | 159  | 131  |
| A 200-10-AA | 110   | 150  |                     | 292 | 280 | 263  | 246  | 231  | 217  | 202  | 184  | 161  | 131  |
| A 200-10-A  | 132   | 175  |                     | 307 | 295 | 277  | 259  | 244  | 230  | 216  | 199  | 176  | 145  |
| A 200-10    | 132   | 175  |                     | 317 | 303 | 284  | 266  | 250  | 236  | 223  | 205  | 182  | 152  |
| A 200-11    | 132   | 175  |                     | 347 | 332 | 312  | 292  | 274  | 258  | 243  | 224  | 199  | 165  |
| A 200-12    | 147   | 200  |                     | 380 | 365 | 342  | 320  | 301  | 285  | 268  | 248  | 221  | 184  |
| A 200-13    | 170   | 230  |                     | 413 | 395 | 371  | 347  | 327  | 309  | 292  | 269  | 240  | 200  |
| A 200-14    | 170   | 230  |                     | 443 | 425 | 399  | 373  | 350  | 332  | 312  | 288  | 257  | 213  |

| Pump Type   | Motor Dia. | Dimensions (mm) |     |     | Net Weight (Kg) |
|-------------|------------|-----------------|-----|-----|-----------------|
|             |            | A               | C*  | C** |                 |
| A 200-1-A   | 6"         | 652             | 211 | 218 | 30.40           |
| A 200-1     | 6"         | 652             | 211 | 218 | 30.40           |
| A 200-2-AA  | 6"         | 807             | 211 | 218 | 36.74           |
| A 200-2-A   | 6"         | 807             | 211 | 218 | 36.82           |
| A 200-2     | 6"         | 807             | 211 | 218 | 36.82           |
| A 200-3-AA  | 6"         | 963             | 211 | 218 | 43.16           |
| A 200-3-A   | 6"         | 963             | 211 | 218 | 43.24           |
| A 200-3     | 6"         | 963             | 211 | 218 | 43.24           |
| A 200-4-AA  | 8"         | 1118            | 218 | 227 | 50.90           |
| A 200-4-A   | 8"         | 1118            | 218 | 227 | 50.98           |
| A 200-4     | 8"         | 1118            | 218 | 227 | 50.98           |
| A 200-5-AA  | 8"         | 1274            | 218 | 227 | 57.32           |
| A 200-5-A   | 8"         | 1274            | 218 | 227 | 57.40           |
| A 200-5     | 8"         | 1274            | 218 | 227 | 57.40           |
| A 200-6-AA  | 8"         | 1429            | 218 | 227 | 63.74           |
| A 200-6-A   | 8"         | 1429            | 218 | 227 | 63.82           |
| A 200-6     | 8"         | 1429            | 218 | 227 | 63.82           |
| A 200-7-AA  | 8"         | 1585            | 218 | 227 | 70.16           |
| A 200-7-A   | 8"         | 1585            | 218 | 227 | 70.24           |
| A 200-7     | 8"         | 1585            | 218 | 227 | 70.24           |
| A 200-8-AA  | 8"         | 1740            | 218 | 227 | 76.58           |
| A 200-8-A   | 8"         | 1740            | 218 | 227 | 76.66           |
| A 200-8     | 8"         | 1740            | 218 | 227 | 76.66           |
| A 200-9-AA  | 8"         | 1896            | 218 | 227 | 83.00           |
| A 200-9-A   | 8"         | 1896            | 218 | 227 | 83.08           |
| A 200-9     | 8"         | 1896            | 218 | 227 | 83.08           |
| A 200-10-AA | 8"         | 2051            | 218 | 227 | 89.42           |
| A 200-10-A  | 10"        | 2181            | 227 | 247 | 102.62          |
| A 200-10    | 10"        | 2181            | 227 | 247 | 102.62          |
| A 200-11    | 10"        | 2337            | 227 | 247 | 109.04          |
| A 200-12    | 10"        | 2492            | 227 | 247 | 115.46          |
| A 200-13    | 10"        | 2648            | 227 | 247 | 121.88          |
| A 200-14    | 10"        | 2803            | 227 | 247 | 128.30          |

C\*: Maximum diameter of pump with one motor cable  
C\*\*: Maximum diameter of pump with two motor cable  
- : On Request



## Performance Curves



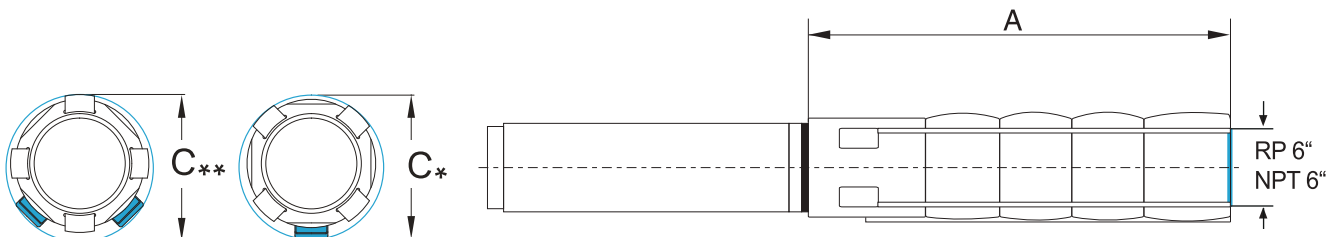
## Selection Chart

## 50Hz Dimensions and weights

| Pump Type  | Motor |     | Q capacity 2850 rpm |      |      |      |      |      |      |      |      |      |      |      |
|------------|-------|-----|---------------------|------|------|------|------|------|------|------|------|------|------|------|
|            | P2    |     | m³/h<br>l/min       | 30   | 45   | 60   | 75   | 90   | 120  | 150  | 180  | 210  | 240  | 270  |
|            | KW    | HP  |                     | 500  | 750  | 1000 | 1250 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 |
| A 250-1-A  | 15    | 20  | HEAD IN METERS      | 26   | 25.5 | 25   | 24   | 23   | 21   | 19   | 16   | 13   | 9    | 4    |
| A 250-1    | 18.5  | 25  |                     | 36.5 | 36   | 35   | 33   | 32   | 29   | 26   | 24   | 22   | 18   | 12   |
| A 250-2-AA | 30    | 40  |                     | 53   | 52.5 | 52   | 50   | 49   | 46   | 42   | 38   | 32   | 24   | 14   |
| A 250-2-A  | 37    | 50  |                     | 64   | 63   | 62   | 60   | 58   | 54   | 50   | 46   | 41   | 34   | 22   |
| A 250-2    | 45    | 60  |                     | 77   | 76   | 74   | 71   | 69   | 63   | 58   | 54   | 49   | 42   | 32   |
| A 250-3-AA | 55    | 75  |                     | 93   | 92   | 90   | 88   | 86   | 81   | 75   | 69   | 62   | 51   | 34   |
| A 250-3-A  | 55    | 75  |                     | 105  | 103  | 101  | 98   | 95   | 88   | 82   | 76   | 69   | 58   | 42   |
| A 250-3    | 63    | 85  |                     | 117  | 115  | 112  | 108  | 104  | 96   | 89   | 82   | 76   | 66   | 51   |
| A 250-4-AA | 75    | 100 |                     | 133  | 131  | 128  | 125  | 122  | 114  | 106  | 98   | 88   | 74   | 53   |
| A 250-4-A  | 75    | 100 |                     | 144  | 142  | 139  | 135  | 130  | 121  | 112  | 104  | 94   | 81   | 60   |
| A 250-4    | 75    | 100 |                     | 155  | 152  | 149  | 144  | 139  | 128  | 118  | 110  | 100  | 87   | 68   |
| A 250-5-AA | 93    | 125 |                     | 170  | 168  | 165  | 160  | 155  | 144  | 134  | 124  | 112  | 94   | 68   |
| A 250-5-A  | 93    | 125 |                     | 181  | 179  | 175  | 170  | 164  | 152  | 140  | 130  | 118  | 101  | 76   |
| A 250-5    | 93    | 125 |                     | 192  | 189  | 184  | 179  | 172  | 159  | 146  | 135  | 124  | 107  | 83   |
| A 250-6-AA | 110   | 150 |                     | 209  | 206  | 202  | 197  | 191  | 178  | 164  | 152  | 138  | 117  | 86   |
| A 250-6-A  | 110   | 150 |                     | 220  | 217  | 212  | 206  | 199  | 184  | 170  | 158  | 143  | 123  | 93   |
| A 250-6    | 110   | 150 |                     | 231  | 228  | 223  | 216  | 207  | 191  | 177  | 164  | 149  | 129  | 101  |
| A 250-7-AA | 132   | 175 |                     | 251  | 248  | 243  | 236  | 229  | 213  | 198  | 184  | 167  | 143  | 108  |
| A 250-7-A  | 132   | 175 |                     | 262  | 259  | 253  | 246  | 238  | 220  | 204  | 189  | 173  | 149  | 116  |
| A 250-7    | 132   | 175 |                     | 274  | 270  | 264  | 255  | 246  | 227  | 210  | 196  | 180  | 156  | 124  |
| A 250-8-AA | 147   | 200 |                     | 292  | 288  | 282  | 274  | 266  | 247  | 230  | 213  | 195  | 168  | 128  |
| A 250-8-A  | 147   | 200 |                     | 303  | 299  | 293  | 284  | 275  | 255  | 236  | 219  | 201  | 174  | 136  |
| A 250-8    | 147   | 200 |                     | 315  | 310  | 303  | 294  | 284  | 262  | 243  | 225  | 207  | 181  | 144  |
| A 250-9-AA | 170   | 230 |                     | 331  | 327  | 320  | 312  | 302  | 281  | 260  | 242  | 221  | 191  | 146  |
| A 250-9-A  | 170   | 230 |                     | 343  | 338  | 331  | 321  | 311  | 288  | 267  | 248  | 227  | 197  | 155  |
| A 250-9    | 170   | 230 |                     | 354  | 349  | 341  | 331  | 319  | 295  | 273  | 254  | 233  | 204  | 162  |

| Pump Type  | Motor Dia. | Dimensions (mm) |     |     | Net Weight (Kg)<br>Pump |
|------------|------------|-----------------|-----|-----|-------------------------|
|            |            | A               | C*  | C** |                         |
| A 250-1-A  | 6"         | 772             | 237 | 241 | 46.1                    |
| A 250-1    | 6"         | 772             | 237 | 241 | 46.1                    |
| A 250-2-AA | 6"         | 948             | 237 | 241 | 56.1                    |
| A 250-2-A  | 6"         | 948             | 237 | 241 | 56.1                    |
| A 250-2    | 8"         | 948             | 237 | 241 | 55.8                    |
| A 250-3-AA | 8"         | 1124            | 237 | 241 | 65.6                    |
| A 250-3-A  | 8"         | 1124            | 237 | 241 | 65.6                    |
| A 250-3    | 8"         | 1124            | 237 | 241 | 65.6                    |
| A 250-4-AA | 8"         | 1300            | 237 | 241 | 75.4                    |
| A 250-4-A  | 8"         | 1300            | 237 | 241 | 75.4                    |
| A 250-4    | 8"         | 1300            | 237 | 241 | 75.4                    |
| A 250-5-AA | 8"         | 1476            | 237 | 241 | 85.8                    |
| A 250-5-A  | 8"         | 1476            | 237 | 241 | 85.8                    |
| A 250-5    | 8"         | 1476            | 237 | 241 | 85.8                    |
| A 250-6-AA | 8"         | 1652            | 237 | 241 | 96.2                    |
| A 250-6-A  | 8"         | 1652            | 237 | 241 | 96.2                    |
| A 250-6    | 8"         | 1652            | 237 | 241 | 96.2                    |
| A 250-7-AA | 10"        | 1828            | 262 | 274 | 111.2                   |
| A 250-7-A  | 10"        | 1828            | 262 | 274 | 111.2                   |
| A 250-7    | 10"        | 1828            | 262 | 274 | 111.2                   |
| A 250-8-AA | 10"        | 2004            | 262 | 274 | 121.5                   |
| A 250-8-A  | 10"        | 2004            | 262 | 274 | 121.5                   |
| A 250-8    | 10"        | 2004            | 262 | 274 | 121.5                   |
| A 250-9-AA | 10"        | 2180            | 262 | 274 | 131.7                   |
| A 250-9-A  | 10"        | 2180            | 262 | 274 | 131.7                   |
| A 250-9    | 10"        | 2180            | 262 | 274 | 131.7                   |

C\*: Maximum diameter of pump with one motor cable  
 C\*\*: Maximum diameter of pump with two motor cable  
 - : On Request



## Note

# Note



A series of horizontal lines for writing notes, consisting of 25 evenly spaced lines.



**SPEED**

