

# NZS

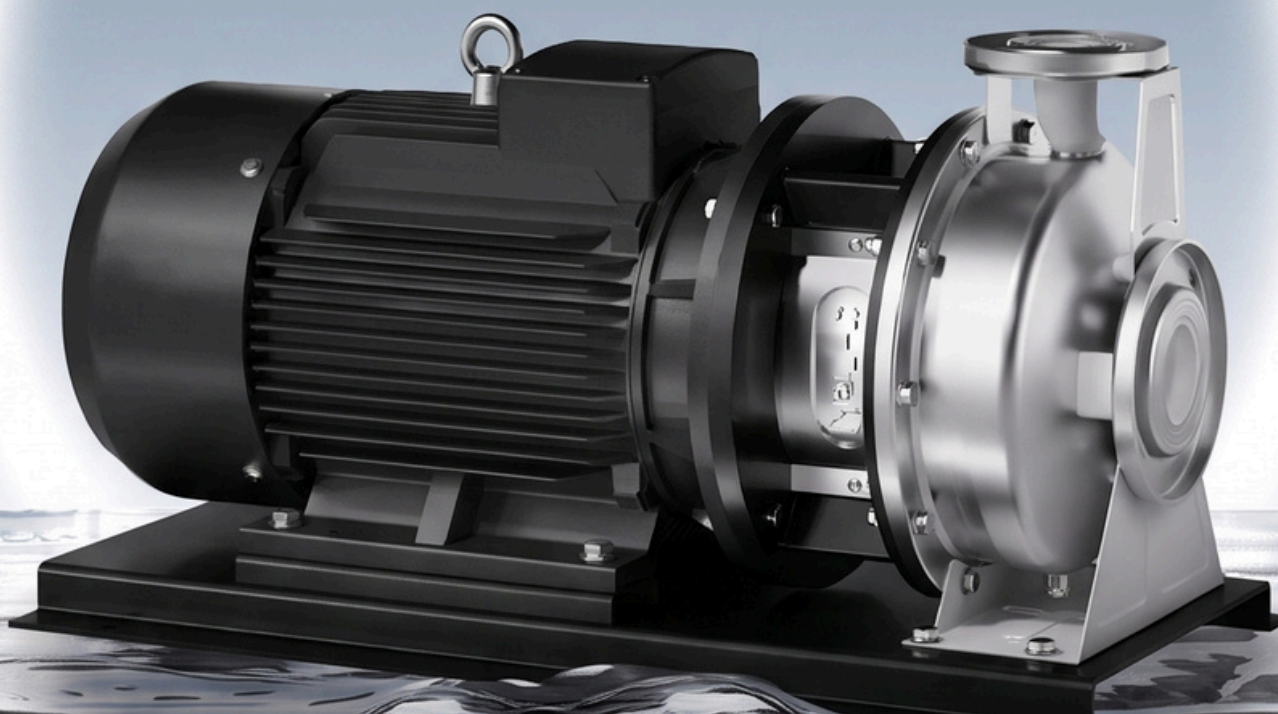
ULTRA HIGH EFFICIENT  
HORIZONTAL  
SINGLE STAGE  
STAINLESS STEEL  
PUMPS



**BZT PUMPS**  
the best solution

# Redefine energy saving pumps!

NZS ULTRA HIGH EFFICIENT  
HORIZONTAL SINGLE STAGE STAINLESS STEEL PUMPS



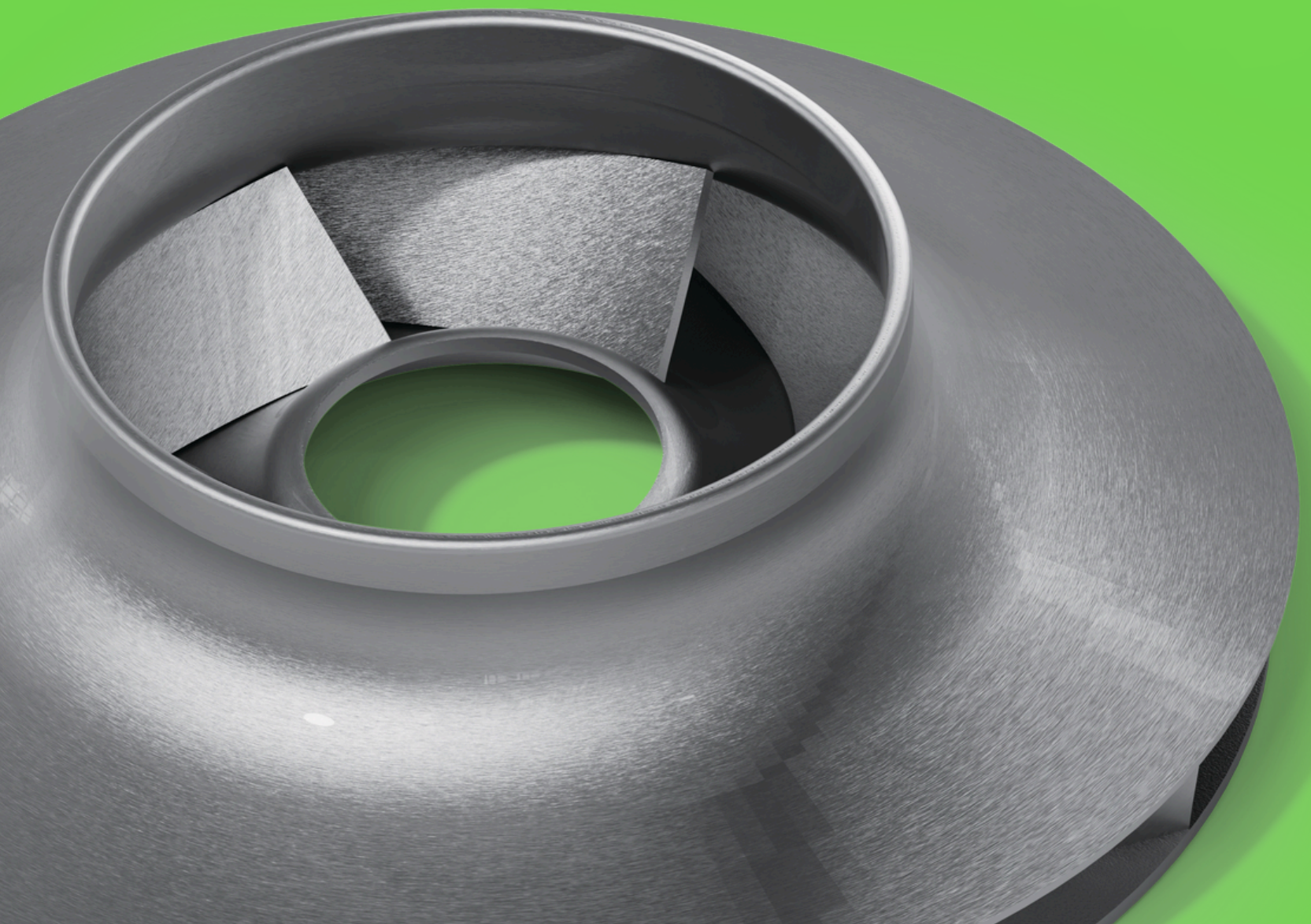
Ultra high efficiency

National energy-saving evaluated and  
certified products

Outstanding forming  
process

100% Restores efficient hydraulic model

100% REDUCTION EFFICIENT  
HYDRAULIC MODEL



# NZS

## ULTRA HIGH EFFICIENT HORIZONTAL SINGLE STAGE STAINLESS STEEL PUMPS

The NZS stainless steel horizontal single-stage centrifugal pumps are fabricated of stainless steel plates by advanced techniques such as stamping, bulging and welding. It features axial water intake and radial water discharge. The casing is firmly fixed to the base and is equipped with a fully enclosed air-cooled IEC motor as standard. This pump boasts a lightweight structure, an aesthetically pleasing appearance, high efficiency and energy saving, durability, low noise levels and resistance to mild corrosion.

## NZS INNOVATION

The monobloc design of the pumps offers high concentricity, efficient transmission, and less installation space.

The impeller is fabricated through stamping stainless steel plates and laser welding, ensuring accurate streamline and excellent surface finish.

- The casing is formed by stamping, bulging and laser welding of stainless steel plates. The flow channel size is precisely controlled, restoring the high efficient hydraulic model by 100%. The impeller operates smoothly in the flow channel with low noise and high efficiency.

- The casing is thickened, ensuring sturdiness, durability and corrosion resistance.

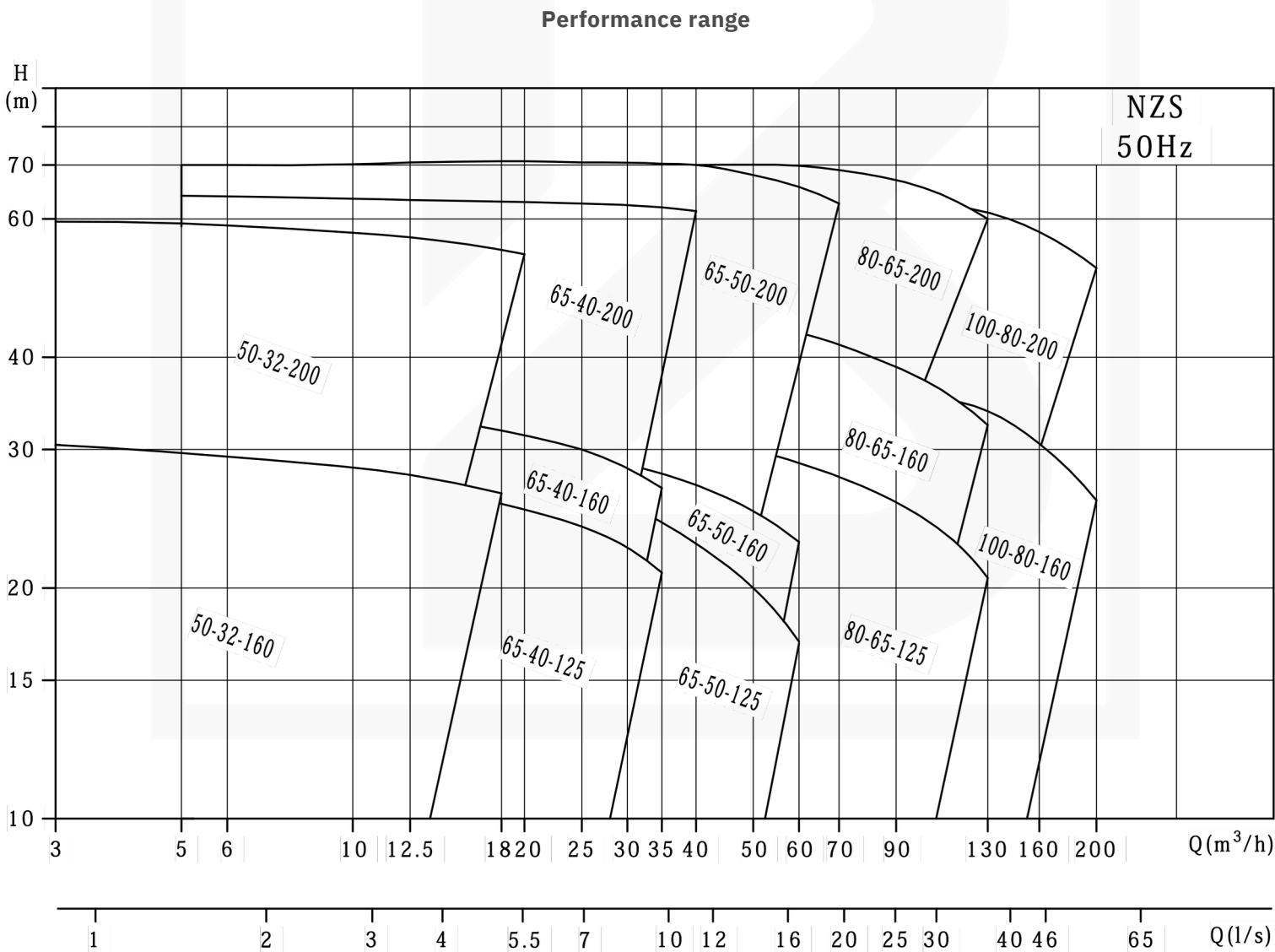
- The high-standard design requirements, combined with advanced equipment and the meticulous processing approach, guarantee the accuracy of size processing. This makes the assembly of the entire pump more precise, its operation more stable and its service life longer.

- The BIA rubber bellows mechanical seal is standard. The dynamic and static rings and rubber rings are available with different materials, suitable for liquids of different temperatures and pH values.

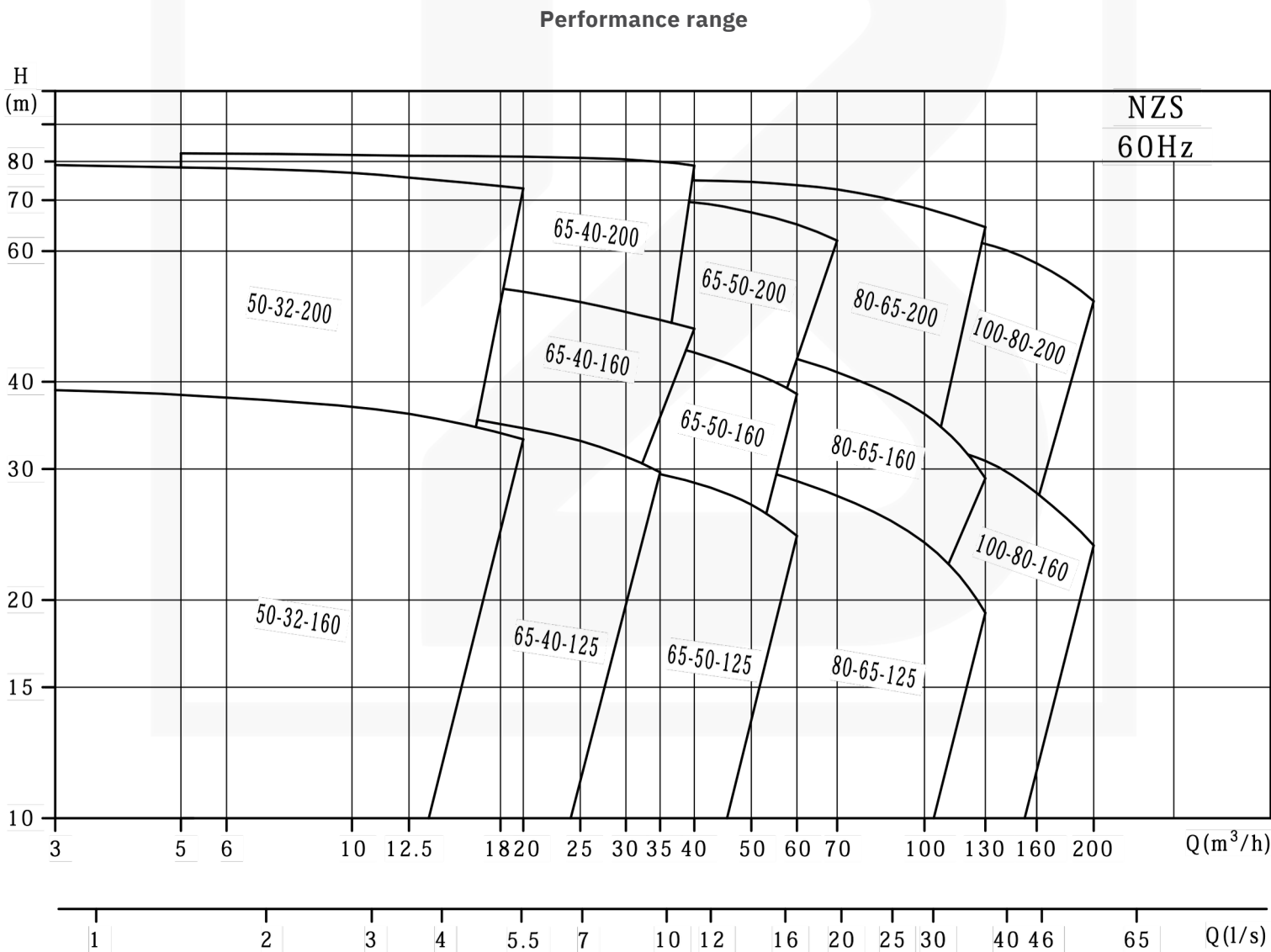
- The stainless steel pump shaft is corrosion-resistant and leak-proof.

O-rings are available with EPDM rubber, which can withstand a wider temperature range and prevent sealing leakage.

# NZS



# NZS



Product range

50Hz

| SN | MODEL                 | Q<br>[m³/h] | H<br>[m] | n<br>[r/ m i n] | Standard motor voltage[V] |        |
|----|-----------------------|-------------|----------|-----------------|---------------------------|--------|
|    |                       |             |          |                 | 1×220V                    | 3×380V |
|    |                       |             |          |                 | P2[kW]                    | P2[kW] |
| 1  | NZS50-32-160/1.1      | 6.3         | 21       | 2900            | 1.1                       | 1.1    |
| 2  | NZS50-32-160/1.5      |             | 22       |                 | 1.5                       | 1.5    |
| 3  | NZS50-32-160/2.2      |             | 28       |                 | 2.2                       | 2.2    |
| 4  | NZS50 - 32-20 0/3.0   | 12.5        | 35       |                 |                           | 3      |
| 5  | NZS50 - 32-20 0/4.0   |             | 47       |                 |                           | 4      |
| 6  | NZS50 - 32-20 0/5.5   |             | 57       |                 |                           | 5.5    |
| 7  | NZS65 - 40 -125/1.5   | 25          | 13       | 2900            | 1.5                       | 1.5    |
| 8  | NZS65 - 40 -125/2.2   |             | 18       |                 | 2.2                       | 2.2    |
| 9  | NZS65 - 40 -125/3.0   |             | 24       |                 |                           | 3      |
| 10 | NZS65 - 40 -160/4.0   |             | 30       | 2950            |                           | 4      |
| 11 | NZS65 - 40 -200/5.5   |             | 38       |                 |                           | 5.5    |
| 12 | NZS65 - 40 -20 0/ 7.5 |             | 48       |                 |                           | 7.5    |
| 13 | NZS65 - 40 -20 0/11.0 | 50          | 63       | 2900            |                           | 11     |
| 14 | NZS65 - 50 -125/3.0   |             | 14.5     |                 |                           | 3      |
| 15 | NZS65 - 50 -125/4.0   |             | 20       |                 |                           | 4      |
| 16 | NZS65 - 50 -160/5.5   |             | 25       | 2950            |                           | 5.5    |
| 17 | NZS65 - 50 -20 0/ 7.5 |             | 34       |                 |                           | 7.5    |
| 18 | NZS65 - 50 -200/9.2   |             | 42       |                 |                           | 9.2    |
| 19 | NZS65-50-200/11.0     | 100         | 49       | 2900            |                           | 11     |
| 20 | NZS65 - 50 -20 0/15.0 |             | 58       |                 |                           | 15     |
| 21 | NZS65 - 50 -20 0/18.5 |             | 68       |                 |                           | 18.5   |
| 22 | NZS80 - 65 -125/5.5   |             | 14       | 2950            |                           | 5.5    |
| 23 | NZS80-65-125/7.5      |             | 20       |                 |                           | 7.5    |
| 24 | NZS80 - 65 -125/9.2   |             | 25       |                 |                           | 9.2    |
| 25 | NZS80-65-160/11.0     | 160         | 29       | 2900            |                           | 11     |
| 26 | NZS80 - 65 -160/15.0  |             | 37       |                 |                           | 15     |
| 27 | NZS80 - 65 -20 0/18.5 |             | 45       |                 |                           | 18.5   |
| 28 | NZS80 - 65 -200/22.0  |             | 53       | 2950            |                           | 22     |
| 29 | NZS80 - 65 -200/30.0  |             | 66       |                 |                           | 30     |
| 30 | NZS100-80-160/11.0    |             | 18       |                 |                           | 11     |
| 31 | NZS100-80-160/15.0    | 160         | 24       | 2900            |                           | 15     |
| 32 | NZS100-80-160/18.5    |             | 31       |                 |                           | 18.5   |
| 33 | NZS100-80-200/22.0    |             | 36       |                 |                           | 22     |
| 34 | NZS100-80-200/30.0    |             | 49       |                 |                           | 30     |
| 35 | NZS100-80-200/37.0    |             | 58       |                 |                           | 37     |

Product range

60Hz

| SN | MODEL                | Q<br>[m³/h] | H<br>[m] | n<br>[r/ m i n] | Standard motor voltage[V] |        |
|----|----------------------|-------------|----------|-----------------|---------------------------|--------|
|    |                      |             |          |                 | 1×220V                    | 3×380V |
|    |                      |             |          |                 | P2[kW]                    | P2[kW] |
| 1  | NZS50-32-160/6 1.1   | 6.3         | 21       | 3450            | 1.1                       | 1.1    |
| 2  | NZS50-32-160/6 1.5   | 12.5        | 22       |                 | 1.5                       | 1.5    |
| 3  | NZS50-32-160/6 2.2   |             | 28       |                 | 2.2                       | 2.2    |
| 4  | NZS50-32-160/6 3.0   |             | 36       |                 |                           | 3      |
| 5  | NZS50-32-200/6 4.0   |             | 47       |                 |                           | 4      |
| 6  | NZS50-32-200/6 5.5   |             | 58       |                 |                           | 5.5    |
| 7  | NZS50-32-200/6 7.5   |             | 76       |                 |                           | 7.5    |
| 8  | NZS65-40-125/6 1.5   | 25          | 13       | 3500            | 1.5                       | 1.5    |
| 9  | NZS65-40-125/6 2.2   |             | 18       |                 | 2.2                       | 2.2    |
| 10 | NZS65-40-125/6 3.0   |             | 25       |                 |                           | 3      |
| 11 | NZS65-40-125/6 4.0   |             | 33       |                 |                           | 4      |
| 12 | NZS65-40-160/6 5.5   |             | 39       |                 |                           | 5.5    |
| 13 | NZS65-40-160/6 7.5   |             | 50       |                 |                           | 7.5    |
| 14 | NZS65-40-200/6 11.0  |             | 66       |                 |                           | 11     |
| 15 | NZS65-40-200/6 15.0  | 50          | 81       |                 |                           | 15     |
| 16 | NZS65-50-125/6 3.0   |             | 14       | 3450            |                           | 3      |
| 17 | NZS65-50-125/6 4.0   |             | 20       |                 |                           | 4      |
| 18 | NZS65-50-125/6 5.5   |             | 27       |                 |                           | 5.5    |
| 19 | NZS65-50-160/6 7.5   |             | 34       |                 |                           | 7.5    |
| 20 | NZS65-50-160/6 9.2   |             | 42       |                 |                           | 9.2    |
| 21 | NZS65-50-200/6 11.0  |             | 50       |                 |                           | 11     |
| 22 | NZS65-50-200/6 15.0  | 100         | 58       | 3500            |                           | 15     |
| 23 | NZS65-50-200/6 18.5  |             | 68       |                 |                           | 18.5   |
| 24 | NZS80-65-125/6 5.5   |             | 14       |                 |                           | 5.5    |
| 25 | NZS80-65-125/6 7.5   |             | 19       |                 |                           | 7.5    |
| 26 | NZS80-65-125/6 9.2   |             | 24       |                 |                           | 9.2    |
| 27 | NZS80-65-160/6 11.0  |             | 28       |                 |                           | 11     |
| 28 | NZS80-65-160/6 15.0  |             | 36       | 3500            |                           | 15     |
| 29 | NZS80-65-200/6 18.5  | 160         | 45       |                 |                           | 18.5   |
| 30 | NZS80-65-200/6 22.0  |             | 53       |                 |                           | 22     |
| 31 | NZS80-65-200/6 30.0  |             | 69       |                 |                           | 30     |
| 32 | NZS100-80-160/6 15.0 |             | 23.5     |                 |                           | 15     |
| 33 | NZS100-80-160/6 18.5 |             | 28       |                 |                           | 18.5   |
| 34 | NZS100-80-200/6 22.0 |             | 36       |                 |                           | 22     |
| 35 | NZS100-80-200/6 30.0 |             | 49       |                 |                           | 30     |
| 36 | NZS100-80-200/6 37.0 |             | 58       |                 |                           | 37     |

ANSI flange(Class 150) is available on request.

## Features

The NZS stainless steel horizontal single-stage centrifugal pump is fabricated of stainless steel plates by advanced techniques such as stamping, bulging and welding. It features axial water intake and radial water discharge. The casing is firmly fixed to the base and is equipped with a fully enclosed air-cooled IEC motor as standard. This pump boasts a lightweight structure, an aesthetically pleasing appearance, high efficiency and energy saving.

## Applications

The NZS stainless steel horizontal single-stage centrifugal pumps are a versatile product capable of transporting water or various non-corrosive and slightly corrosive industrial liquid. Typical applications are as follows:

- **Water Supply System:** Filtration and transportation in water plants, pressurization of main pipes, pressurization in industrial buildings, etc.
- **Industrial Pressurization:** Cleaning and cleaning systems, high- pressure flushing systems, process water systems, etc.
- **Industrial Liquid Transportation:** Feed water for boilers, condensate systems, transportation of weak acids and weak bases, etc.
- **Cooling and Air Conditioning Systems:** Liquid transportation in air conditioning systems and ventilation systems, etc.
- **Applications of swimming pools, farmland irrigation, greenhouse water transportation, medicine and hygiene, etc.**

## Curve conditions

The guidelines below apply to the curves on the following pages.

- For 50Hz, all curves are based on the measured values of the motor at a constant speed of 2900 rpm or 2950rpm.
- For 60Hz, all curves are based on the measured values of the motor at a constant speed of 3450 rpm or 3500rpm.
- Tolerances according to ISO9906:2012,3B.
- Measurements have been made with airless water at a temperature of 20 °C. The curves apply to the following kinematic viscosity: 1mm<sup>2</sup>/s.
- The bold curves state the recommended performance range. Due to the risk of overheating or overload, the pumps should neither be used at a flow below the minimum flow rate, nor be used at a flow over the maximum flow rate.
- If the density and viscosity of the conveyed liquid are different from those of water, the motor power needs to be changed accordingly.

## Operating conditions

Thin, clean, non-flammable and not explosive liquid that does not contain solid particles or fiber  
Liquid temperature: -20°C to +100°C  
Maximum ambient temperature: +40°C  
Maximum altitude 1000 meters;  
Maximum working pressure: 10 bar

## Motor

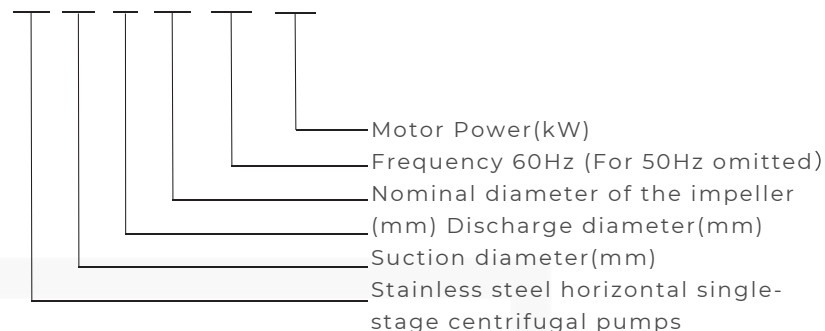
The motor is a fully enclosed, air-cooled two-pole motor.  
Protection class: IP55  
Insulation class: F  
● Standard voltage: 50Hz/60Hz: 1x220V 3x380V

## Installation Conditions

- The pump should be installed in a well-ventilated and frost-proof place.
- When installing the pump, care should be taken that not let the weight and stress of the pipeline on the pump.
- In order to facilitate inspection and maintenance, sufficient space should be left around the pump.
- If the pump is installed outdoors, a suitable cover should be fit to prevent water inflow or condensation of electrical components.
- The pump should be installed horizontally on the base, horizontal suction, vertical discharge.

## Model definition

NZS 65 - 40 - 125 / 6 2.2



## Minimum inlet pressure-NPSHr

If the inner pump pressure is less than liquid vapor pressure, cavitation could happen. To avoid cavitation, make sure that there is a minimum pressure on the inlet side of the pump. Calculate the maximum suction lift "H" in metres head as follows:

$$H = P_b \times 10.2 - NPSH_r - H_f - H_v - H_s$$

$P_b$  = Barometric pressure in bar.

$P_b$  can be set to 1 bar at sea level. In closed systems,  $P_b$  indicates the system pressure in bar.  $NPSH_r$  = Net Positive Suction Head

in metres head. To be read from the  $NPSH_r$  curve at the highest flow rate that the pump will be delivering.

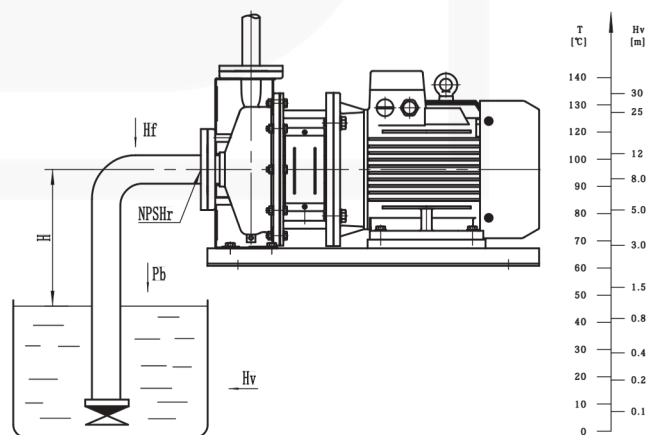
$H_f$  = Friction loss in inlet pipe in metres head

$H_v$  = Vapour pressure in metres head.

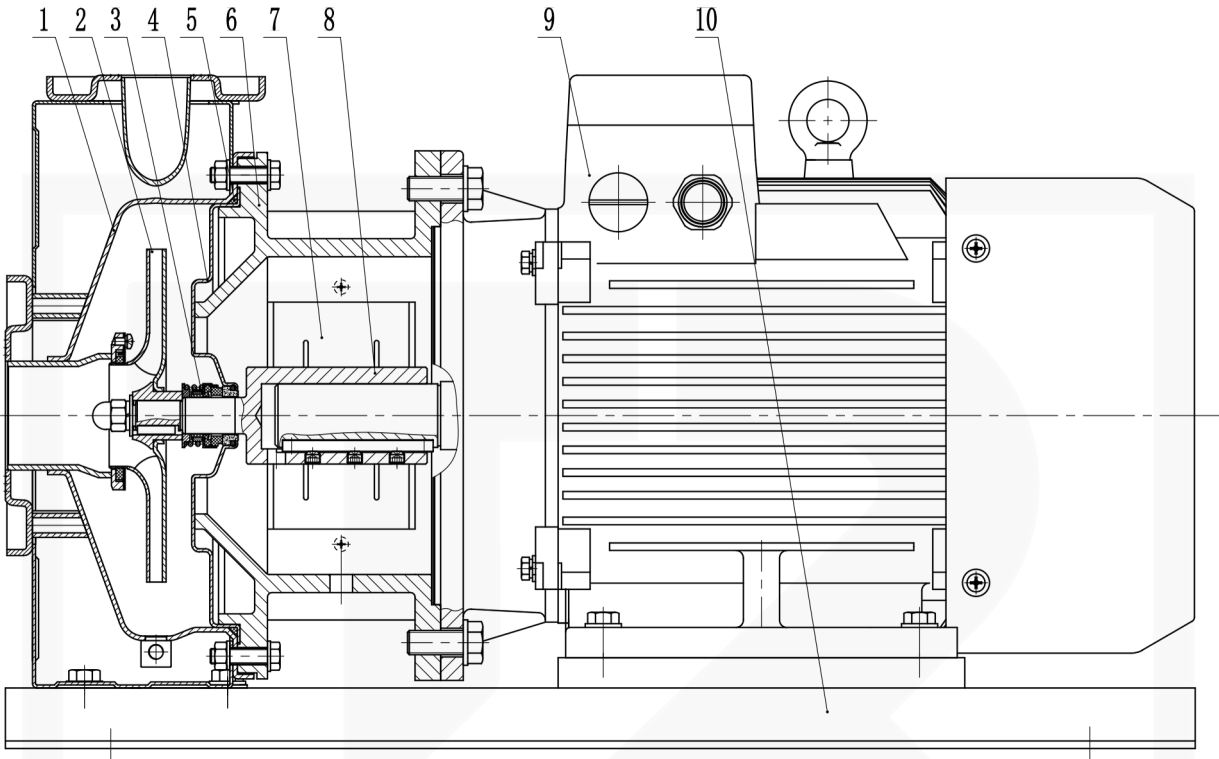
$H_s$  = Safe margin = 0.5 m head

If the calculated "H" is positive, the pump can operate at a suction lift of maximum "H" m head. If the calculated "H" is negative, an inlet pressure of minimum "H" m head is required. Remark: Generally, the above calculations are not needed. The maximum suction lift "H" is calculated only when the pump is used under the following conditions:

- The suction lift is large.
- The system pressure is too low.
- The inlet conditions are poor and the inlet pipelines are long.
- The liquid temperature is high.
- The liquid flow rate is too high.



Sectional drawing



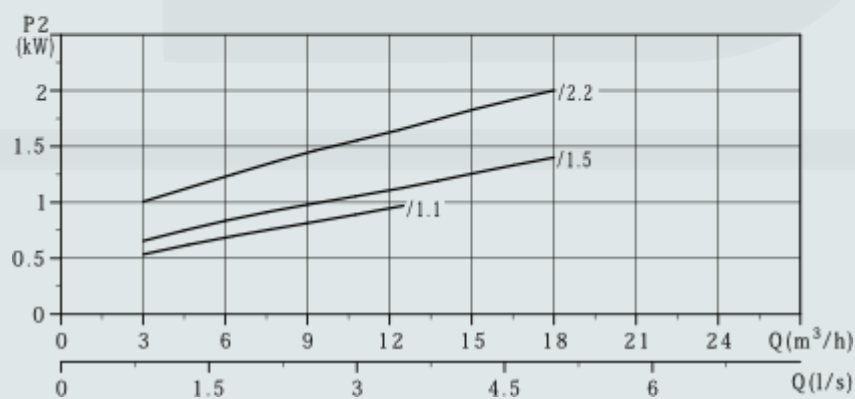
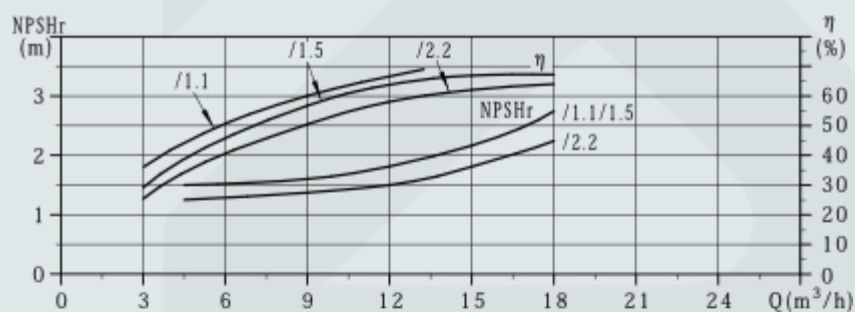
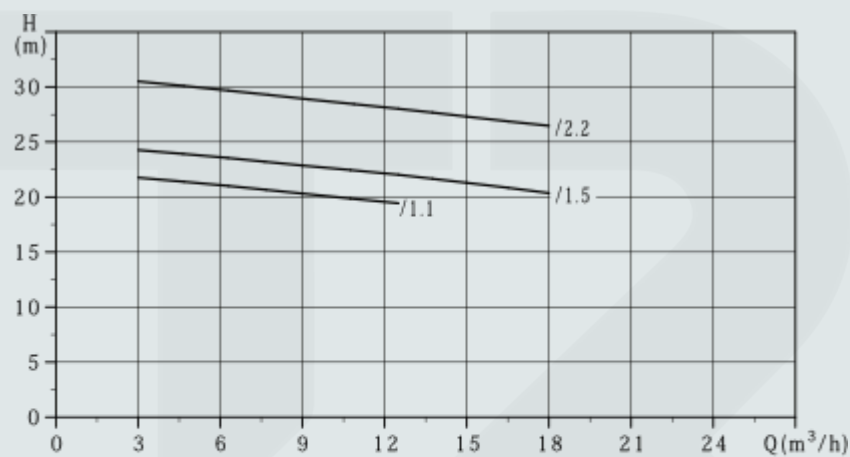
NZS Material list

| SN | Name              | Material                  | AISI/ASTM        |
|----|-------------------|---------------------------|------------------|
| 1  | Casing            | 06Cr19Ni10/022Cr17Ni12Mo2 | AISI304/AISI316L |
| 2  | Impeller          | 06Cr19Ni10/022Cr17Ni12Mo2 | AISI304/AISI316L |
| 3  | Mechanical seal   | M106K/SiC                 |                  |
| 4  | Lining of bracket | 06Cr19Ni10/022Cr17Ni12Mo2 | AISI304/AISI316L |
| 5  | O ring            | NBR                       |                  |
| 6  | Bracket           | HT200                     | ASTM25B          |
| 7  | Coupling guard    | 06Cr19Ni10                | AISI304          |
| 8  | Shaft             | 06Cr19Ni10/022Cr17Ni12Mo2 | AISI304/AISI316L |
| 9  | Motor             | Assembly set              |                  |
| 10 | Base plate        | Q235-A                    | ASTMA570         |

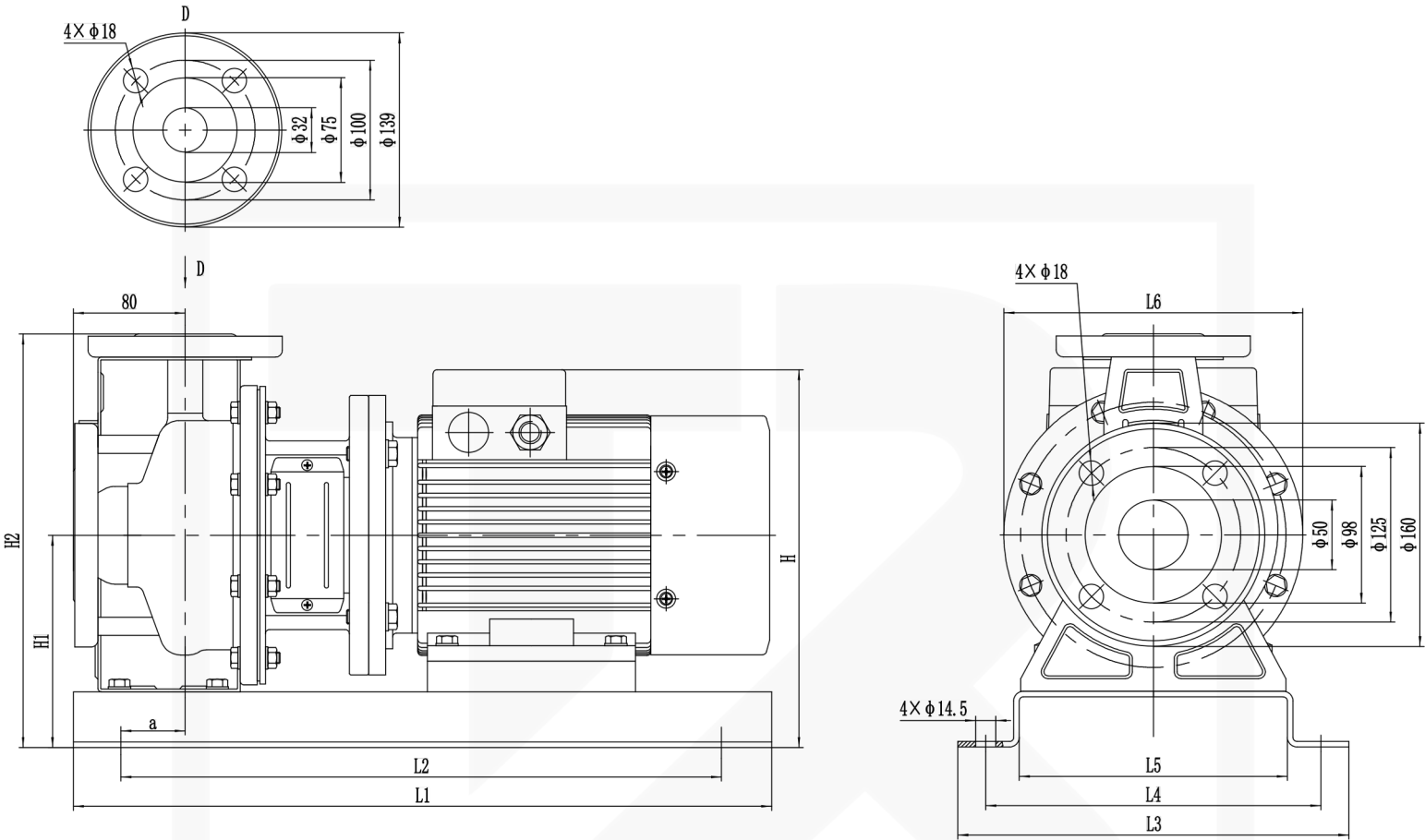
# NZS50-32-160

## 50Hz

Performance curves



Installation dimensions



Performance tables

| Model            | Motor |      | Q<br>(m³/h) | 3    | 6.3  | 9    | 12.5 | 15   | 18   |
|------------------|-------|------|-------------|------|------|------|------|------|------|
|                  | (kW)  | (hp) |             |      |      |      |      |      |      |
| NZS50-32-160/1.1 | 1.1   | 1.5  | H<br>(m)    | 21.7 | 21   | 20.3 | 19.4 |      |      |
| NZS50-32-160/1.5 | 1.5   | 2    |             | 24.3 | 23.5 | 22.9 | 22   | 21.3 | 20.3 |
| NZS50-32-160/2.2 | 2.2   | 3    |             | 30.5 | 29.7 | 28.9 | 28   | 27.3 | 26.4 |

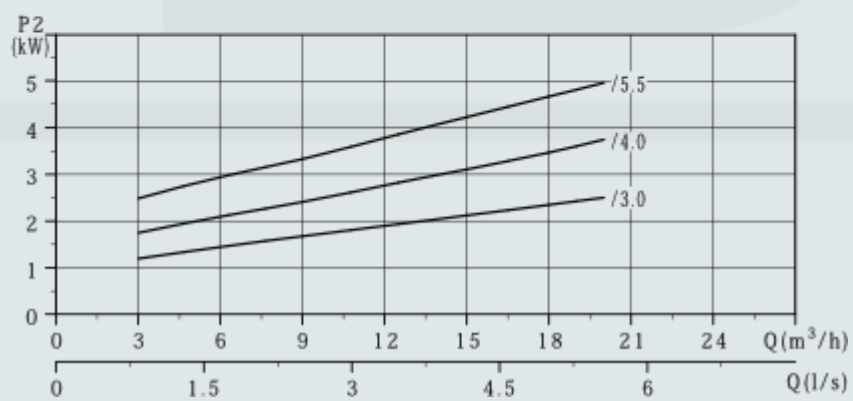
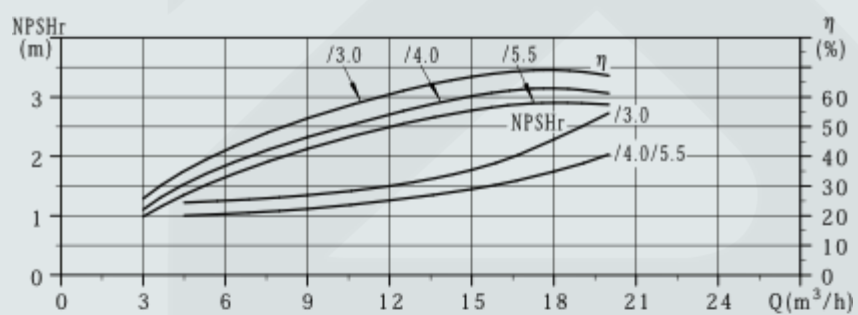
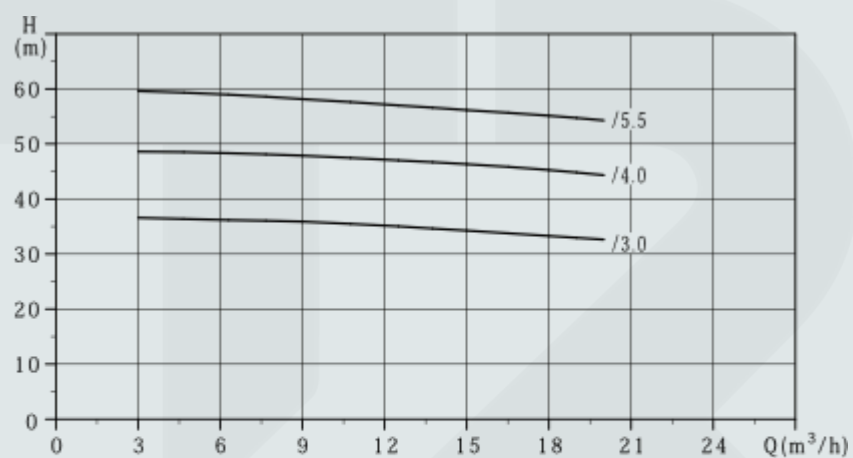
Dimensions and weight

| Model          | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|----------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS50-32-      | 32              | 290 | 152 | 296 | 470 | 370 | 280 | 240 | 192 | 210 | 31             |
| 160/1.1 NZS50- | 46              | 307 | 152 | 296 | 500 | 430 | 280 | 240 | 192 | 210 | 37             |
| 32-160/1.5     | 46              | 307 | 152 | 296 | 500 | 430 | 280 | 240 | 192 | 210 | 39             |
| NZS50-32-      |                 |     |     |     |     |     |     |     |     |     |                |
| 160/2.2        |                 |     |     |     |     |     |     |     |     |     |                |

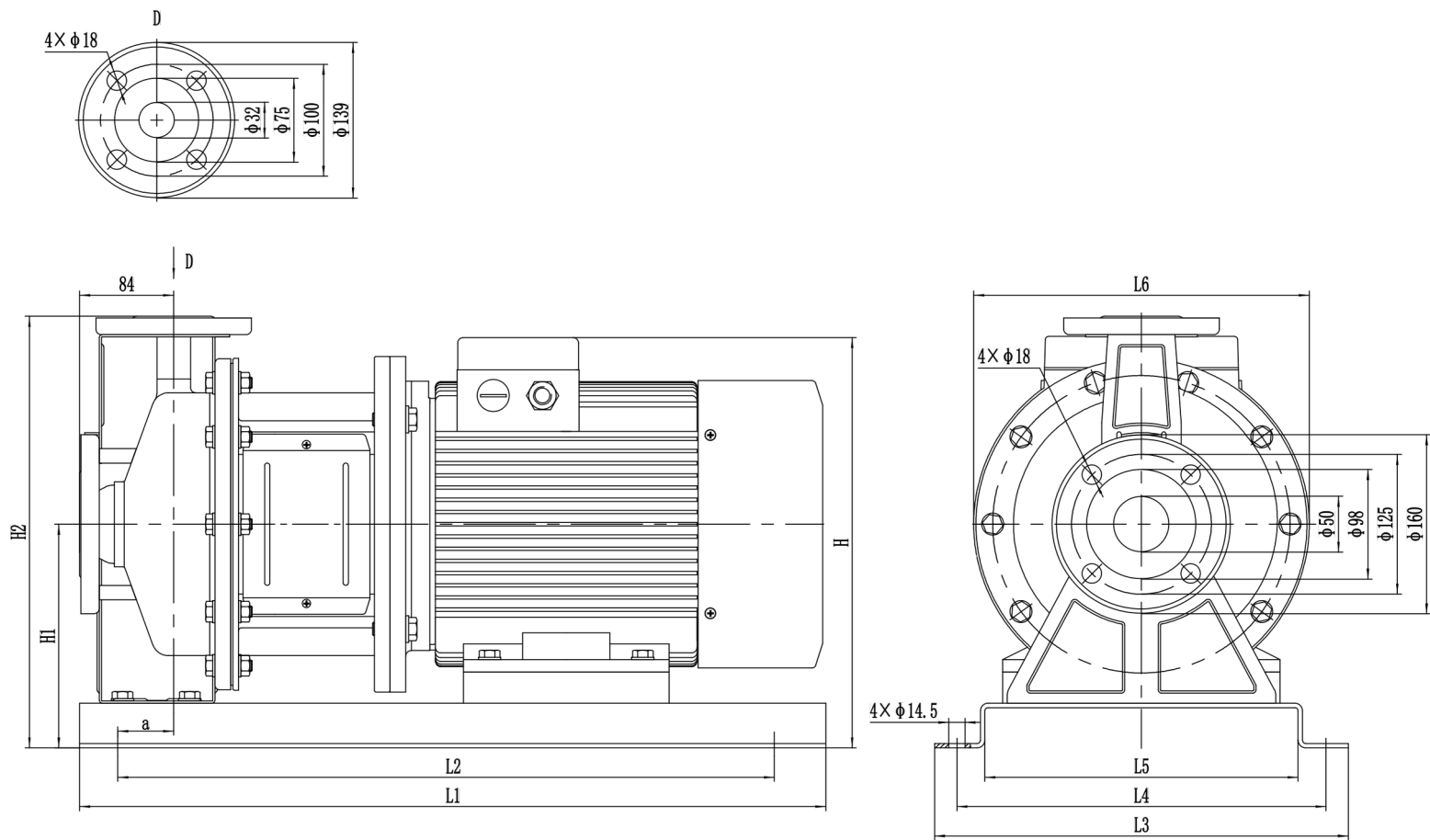
# NZS50-32-200

50Hz

Performance curves



Installation dimensions



Performance tables

| Model                | Motor |      | Q<br>(m³/h) | 3    | 6.3  | 9    | 12.5 | 15   | 18   | 20   |
|----------------------|-------|------|-------------|------|------|------|------|------|------|------|
|                      | (kW)  | (hp) |             |      |      |      |      |      |      |      |
| NZS50 - 32-20 0/3.0  | 3     | 4    | H<br>(m)    | 36.5 | 36.2 | 35.8 | 35   | 34.2 | 33.3 | 32.6 |
| NZS5 0 - 32-20 0/4.0 | 4     | 5.5  |             | 48.6 | 48.3 | 47.9 | 47   | 46.3 | 45.2 | 44.3 |
| NZS50 - 32-20 0/5.5  | 5.5   | 7.5  |             | 59.6 | 58.9 | 58.1 | 57   | 56.1 | 55.1 | 54.2 |

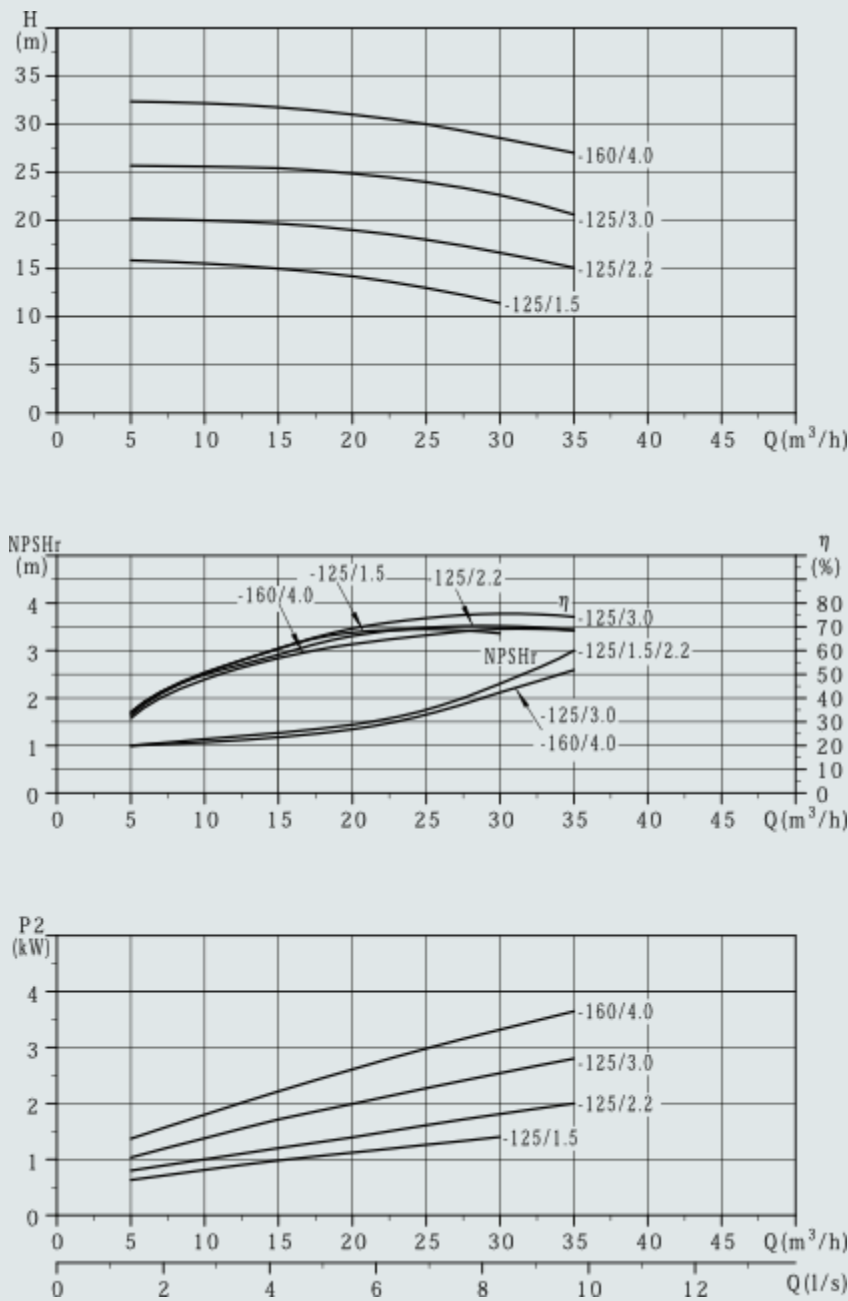
Dimensions and weight

| Model                | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|----------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                      | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS50 - 32-20 0/3.0  | 42              | 370 | 200 | 386 | 550 | 460 | 330 | 290 | 242 | 300 | 53             |
| NZS5 0 - 32-20 0/4.0 | 47              | 393 | 200 | 386 | 560 | 480 | 330 | 290 | 242 | 300 | 58             |
| NZS50 - 32-20 0/5.5  | 50              | 413 | 200 | 386 | 660 | 580 | 370 | 330 | 280 | 300 | 77             |

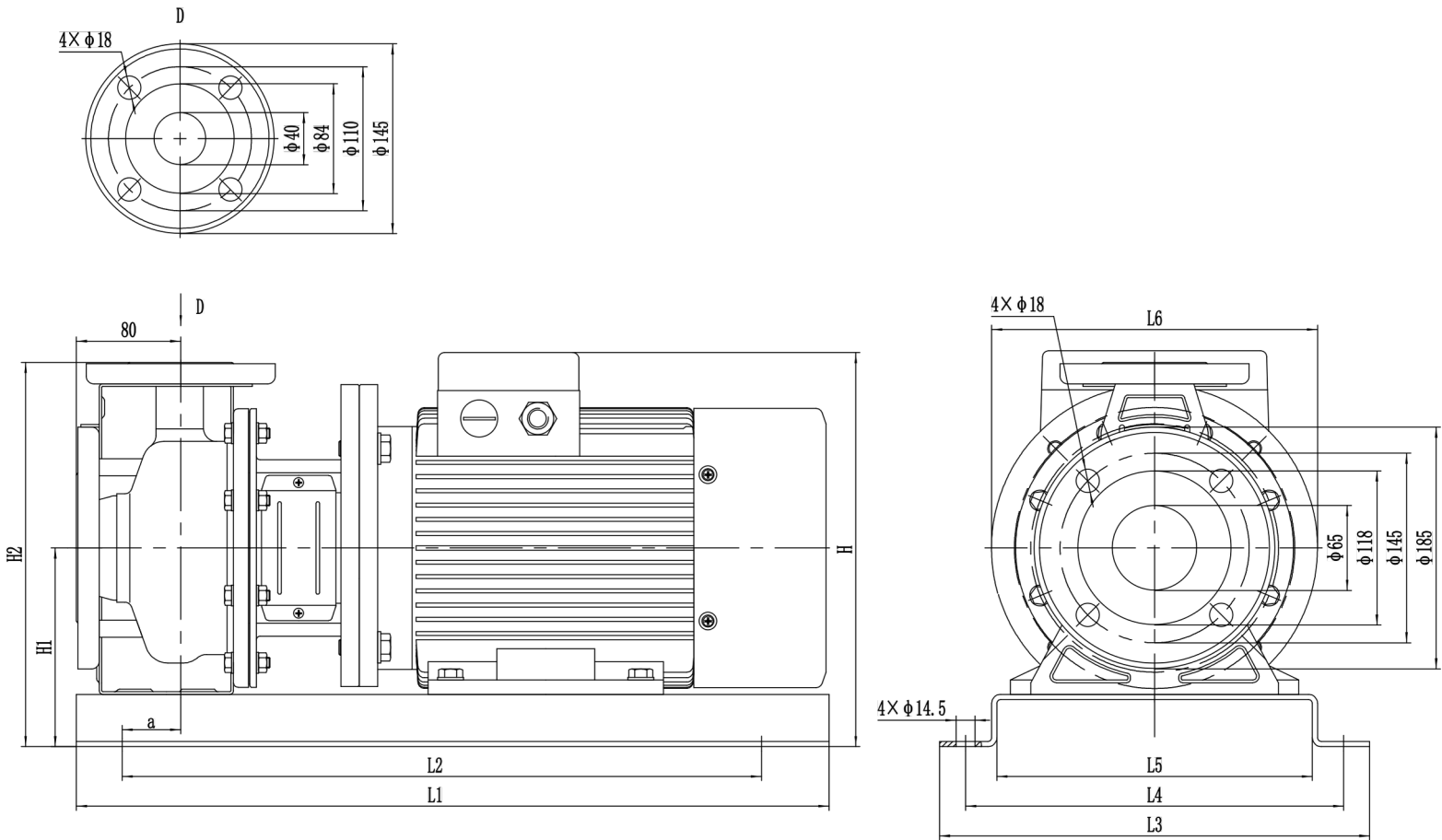
# NZS65-40-125(160)

50Hz

Performance curves



Installation dimensions



Performance tables

| Model                 |          |    | Motor |      | Q<br>(m³/h) | 5    | 10   | 15   | 20   | 25 | 30   | 35   |
|-----------------------|----------|----|-------|------|-------------|------|------|------|------|----|------|------|
|                       |          |    | (kW)  | (hp) |             |      |      |      |      |    |      |      |
| NZS65                 | -        | 40 | 1.5   | 2    | H<br>(m)    | 15.9 | 15.5 | 15   | 14.2 | 13 | 11.4 |      |
| -125/1.5              | NZS65    | -  | 2.2   | 3    |             | 20.2 | 20   | 19.7 | 19   | 18 | 16.7 | 15.1 |
| 40                    | -125/2.2 |    | 3     | 4    |             | 25.7 | 25.6 | 25.4 | 24.9 | 24 | 22.6 | 20.6 |
| NZS65                 | -        | 40 | 4     | 5.5  |             | 32.4 | 32.2 | 31.8 | 31   | 30 | 28.6 | 27   |
| -125/3.0 NZS65 -      |          |    |       |      |             |      |      |      |      |    |      |      |
| 40 -160/4.0           |          |    |       |      |             |      |      |      |      |    |      |      |
| Dimensions and weight |          |    |       |      |             |      |      |      |      |    |      |      |

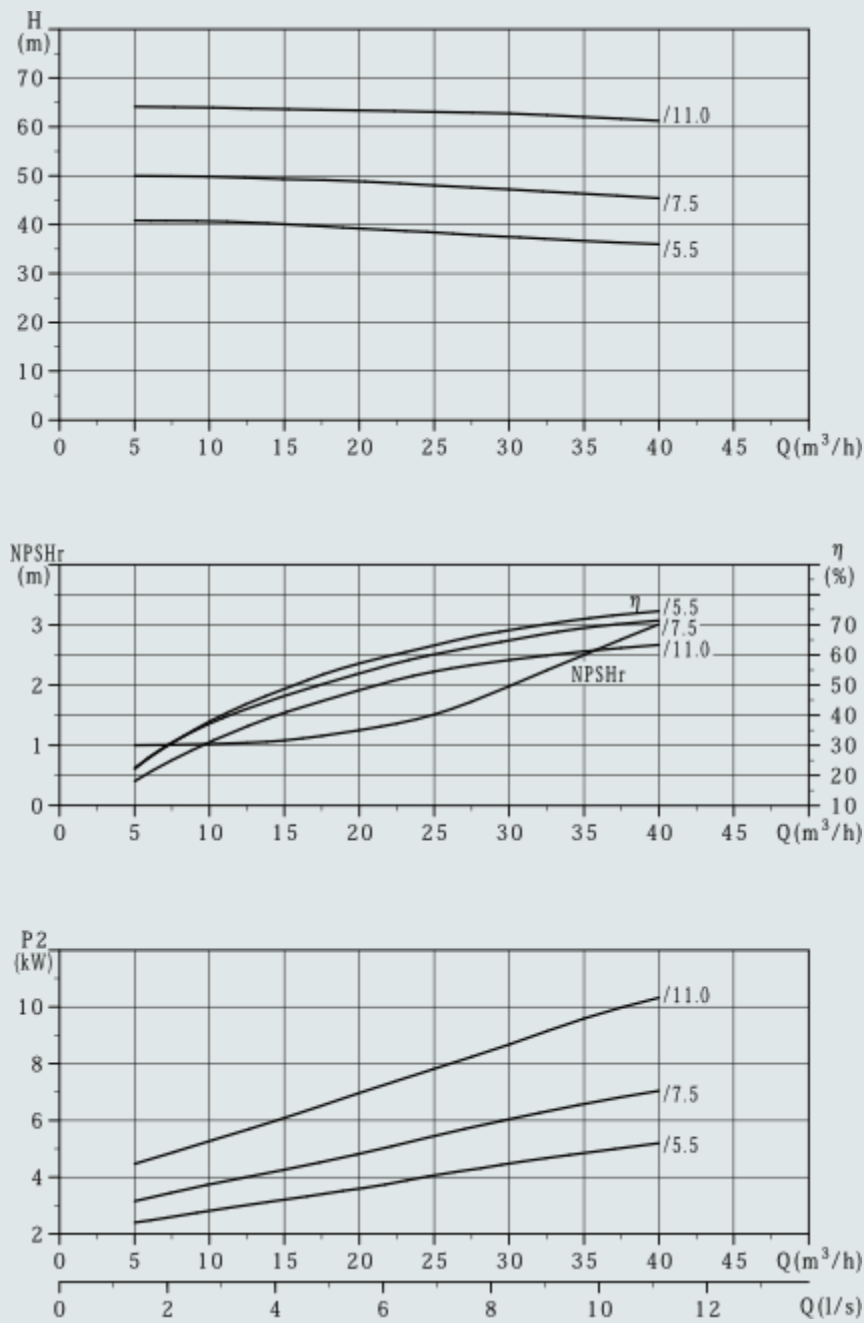
Dimensions and weight

| Model      |        |          | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight (kg) |
|------------|--------|----------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
|            |        |          | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |             |
| NZS65      | -      | 40       | 45              | 307 | 152 | 294 | 502 | 430 | 280 | 240 | 192 | 210 | 33          |
| -125/1.5   | NZS65- |          | 45              | 307 | 152 | 294 | 502 | 430 | 280 | 240 | 192 | 210 | 35          |
| 40-125/2.2 | NZS65  |          | 45              | 322 | 152 | 294 | 532 | 460 | 300 | 260 | 212 | 250 | 47          |
| -          | 40     | -125/3.0 | 45              | 345 | 152 | 294 | 557 | 480 | 330 | 290 | 242 | 250 | 52          |
| NZS65      | -      | 40       |                 |     |     |     |     |     |     |     |     |     |             |
| -160/4.0   |        |          |                 |     |     |     |     |     |     |     |     |     |             |

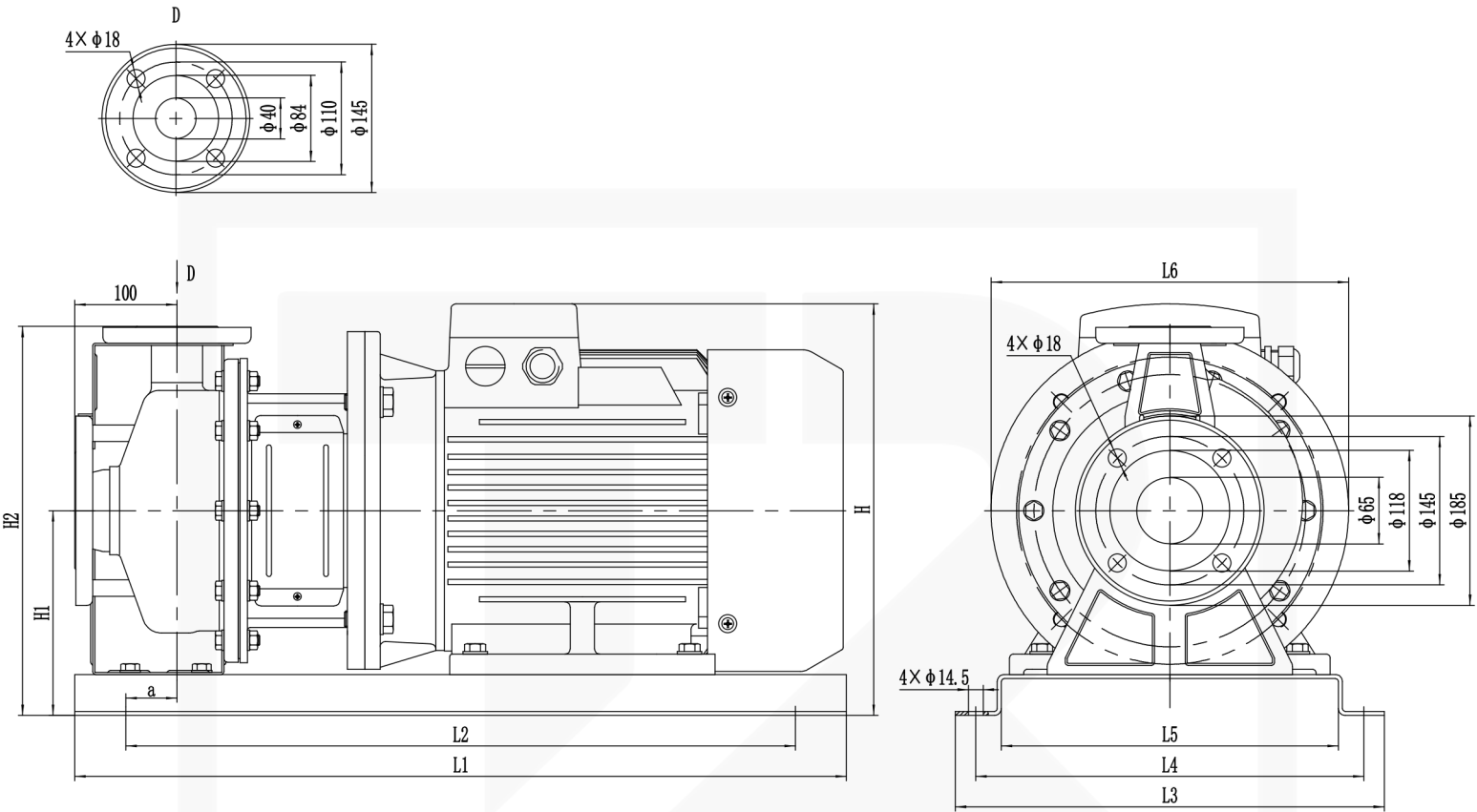
# NZS65-40-200

## 50Hz

Performance curves



Installation dimensions



Performance tables

| Model                 | Motor |      | Q<br>(m³/h) | 5    | 10   | 15   | 20   | 25 | 30   | 35   | 40   |
|-----------------------|-------|------|-------------|------|------|------|------|----|------|------|------|
|                       | (kW)  | (hp) |             |      |      |      |      |    |      |      |      |
| NZS65 - 40 -200/5.5   | 5.5   | 7.5  | H<br>(m)    | 40.8 | 40.7 | 40.1 | 39.2 | 38 | 37.5 | 36.6 | 36   |
| NZS65 - 40 -20 0/ 7.5 | 7.5   | 10   |             | 50   | 49.8 | 49.3 | 48.8 | 48 | 47.2 | 46.3 | 45.4 |
| NZS65 - 40 -20 0/11.0 | 11    | 15   |             | 64.1 | 63.9 | 63.6 | 63.3 | 63 | 62.7 | 62   | 61.2 |

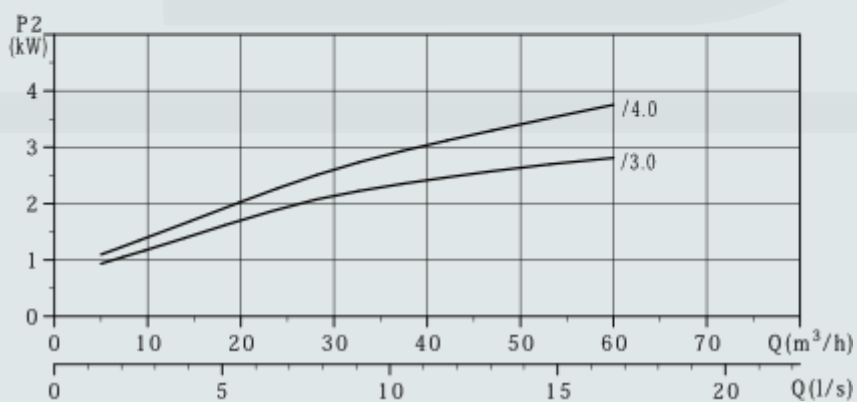
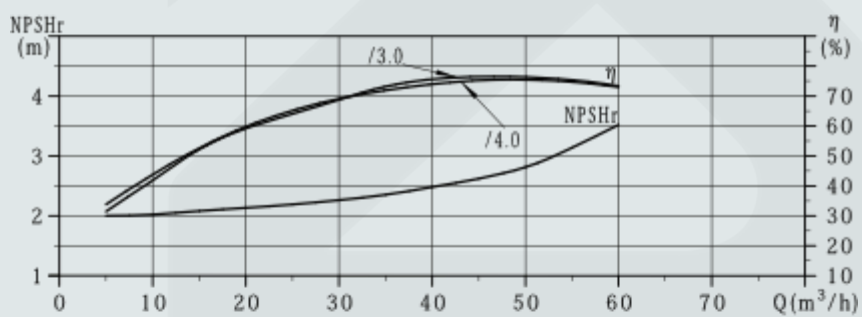
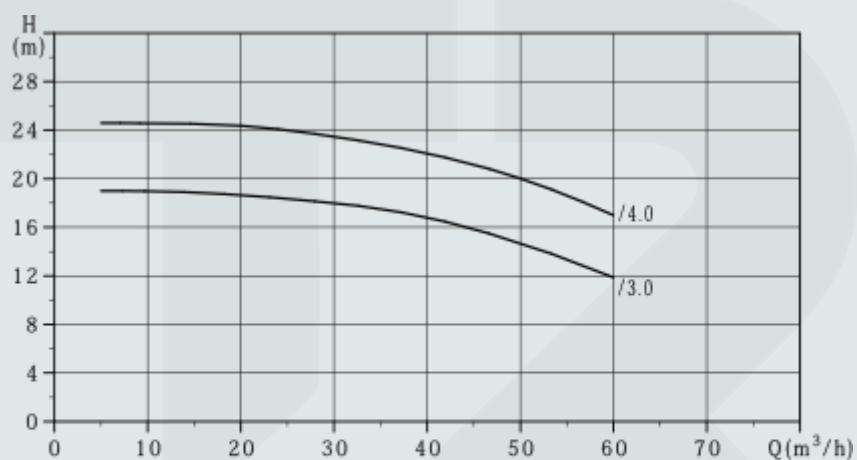
Dimensions and weight

| Model                 | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|-----------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                       | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS65 - 40 -200/5.5   | 50              | 413 | 200 | 380 | 680 | 580 | 370 | 330 | 280 | 300 | 78             |
| NZS65 - 40 -20 0/ 7.5 | 50              | 413 | 200 | 380 | 680 | 580 | 370 | 330 | 280 | 300 | 82             |
| NZS65 - 40 -20 0/11.0 | 50              | 456 | 200 | 380 | 790 | 690 | 420 | 380 | 330 | 350 | 161            |

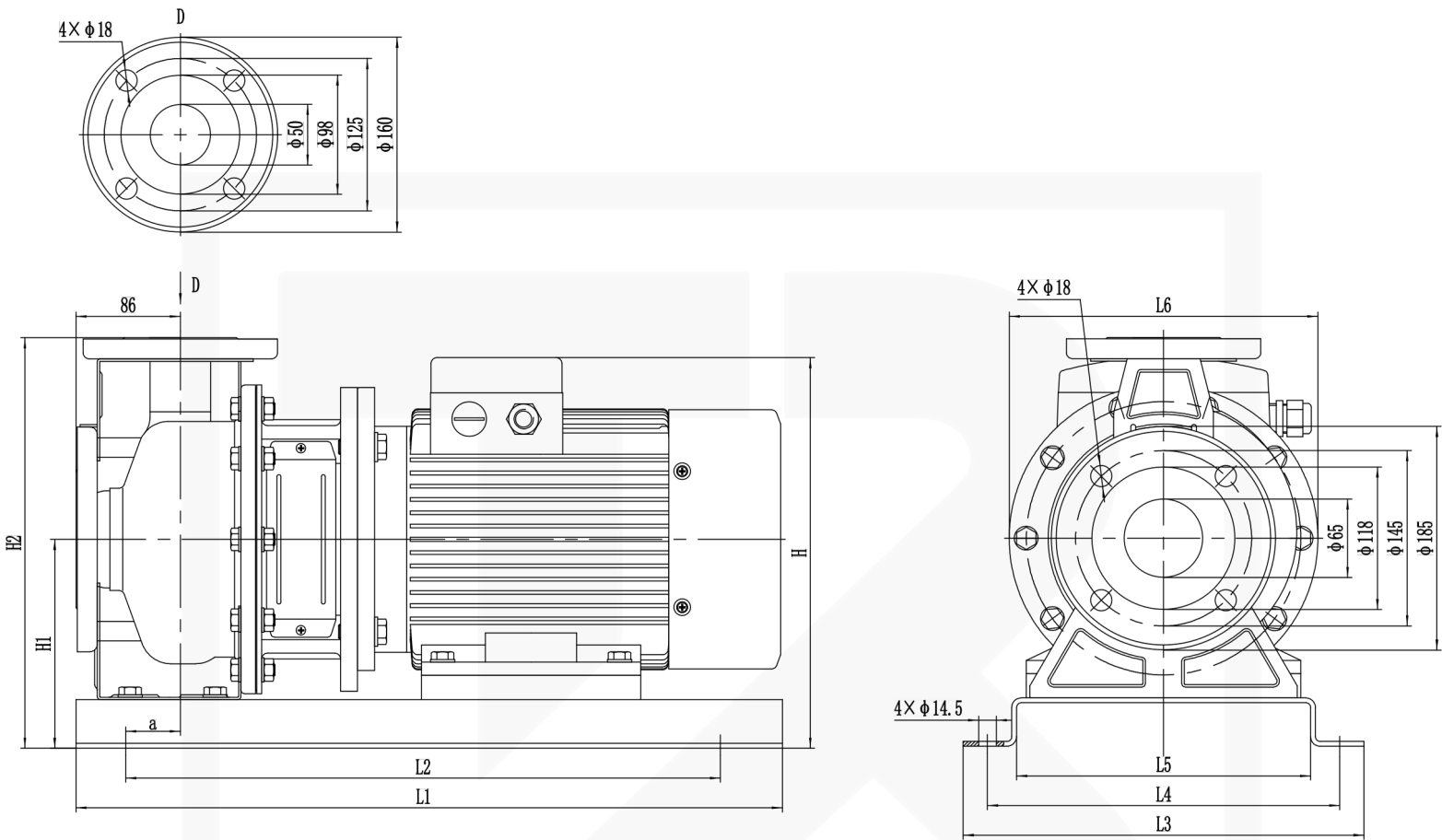
# NZS65-50-125

## 50Hz

Performance curves



Installation dimensions



Performance tables

| Model               | Motor |      | Q<br>(m³/h) | 5    | 10   | 20   | 30   | 40   | 50   | 60   |
|---------------------|-------|------|-------------|------|------|------|------|------|------|------|
|                     | (kW)  | (hp) |             |      |      |      |      |      |      |      |
| NZS65 - 50 -125/3.0 | 3     | 4    | H<br>(m)    | 19   | 18.9 | 18.7 | 18   | 16.8 | 14.5 | 11.8 |
| NZS65 - 50 -125/4.0 | 4     | 4.5  |             | 24.6 | 24.5 | 24.3 | 23.5 | 22.1 | 20   | 17   |

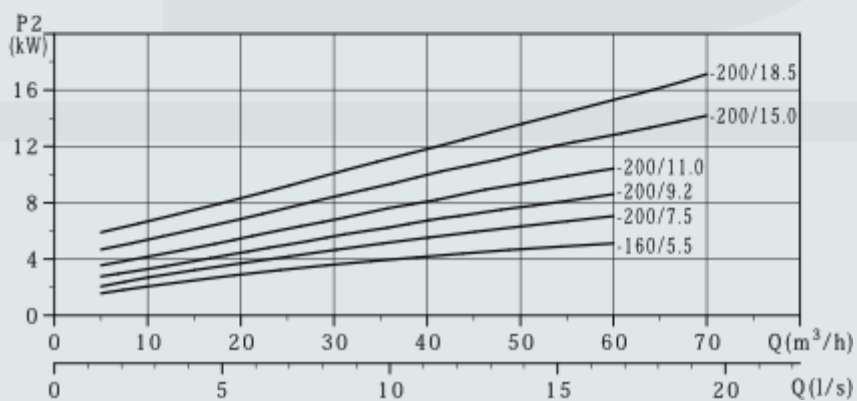
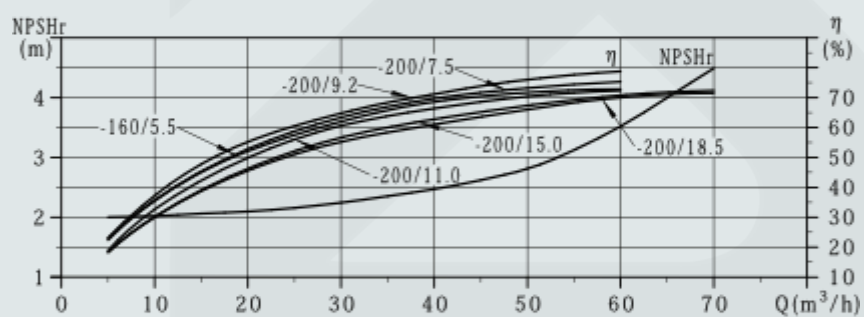
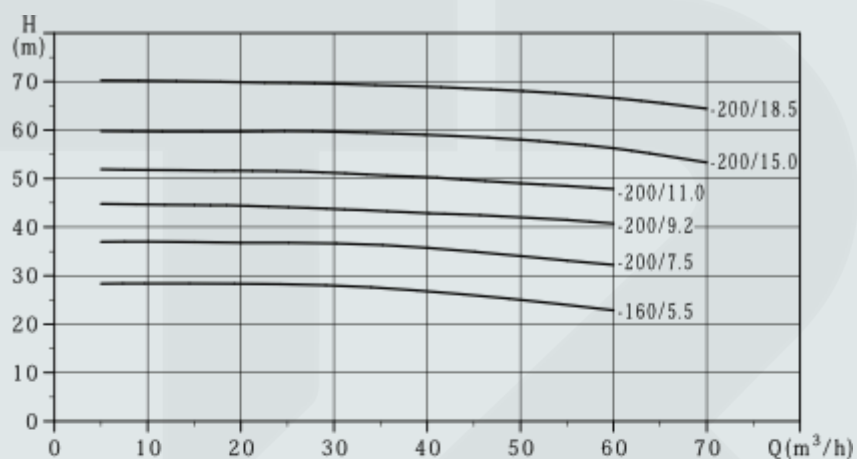
Dimensions and weight

| Model               | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|---------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                     | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS65 - 50 -125/3.0 | 45              | 342 | 172 | 338 | 548 | 468 | 330 | 290 | 242 | 250 | 49             |
| NZS65 - 50 -125/4.0 | 45              | 365 | 172 | 338 | 570 | 490 | 330 | 290 | 242 | 250 | 54             |

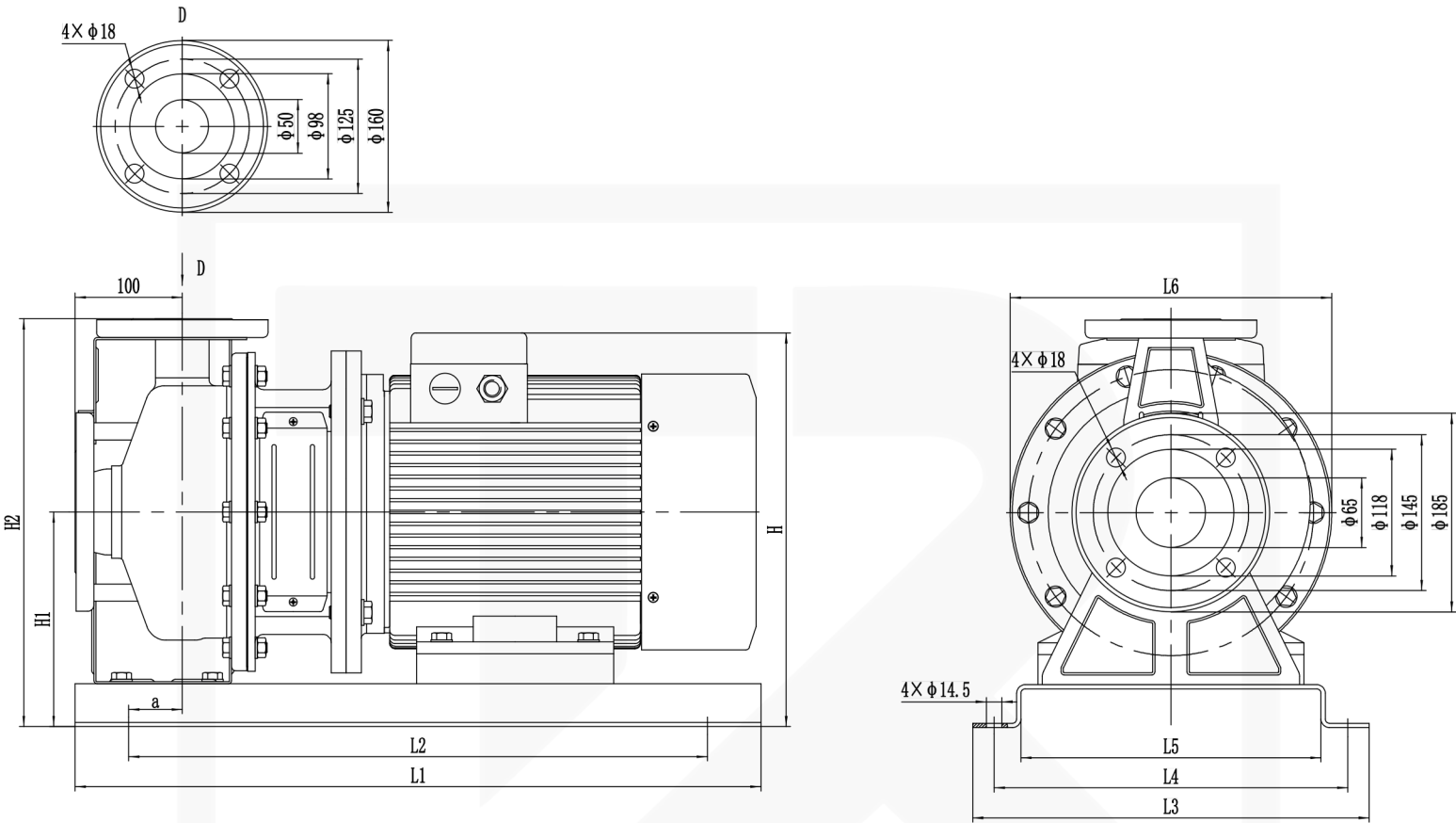
# NZS65-50-160(200)

50Hz

Performance curves



Installation dimensions



Performance tables

| Model                 | Motor |      | Q<br>(m³/h) | H<br>(m) | 5    | 10   | 20   | 30   | 40   | 50 | 60   | 70   |
|-----------------------|-------|------|-------------|----------|------|------|------|------|------|----|------|------|
|                       | (kW)  | (hp) |             |          |      |      |      |      |      |    |      |      |
| NZS65 - 50 -160/5.5   | 5.5   | 7.5  |             |          |      |      |      |      |      |    |      |      |
| NZS65 - 50 -20 0/ 7.5 | 7.5   | 10   |             |          |      |      |      |      |      |    |      |      |
| NZS65 - 50 -200/9.2   | 9.2   | 12.5 |             |          |      |      |      |      |      |    |      |      |
| NZS65-50-200/11.0     | 1     | 15   |             |          |      |      |      |      |      |    |      |      |
| NZS65 - 50 -20 0/15.0 | 1     | 20   |             |          | 59.8 | 59.7 | 59.6 | 59.5 | 58.9 | 58 | 56.2 | 53.3 |
| NZS65 - 50 -20 0/18.5 | 18.5  | 25   |             |          | 70.2 | 70.1 | 69.8 | 69.5 | 68.9 | 68 | 66.6 | 64.3 |

5

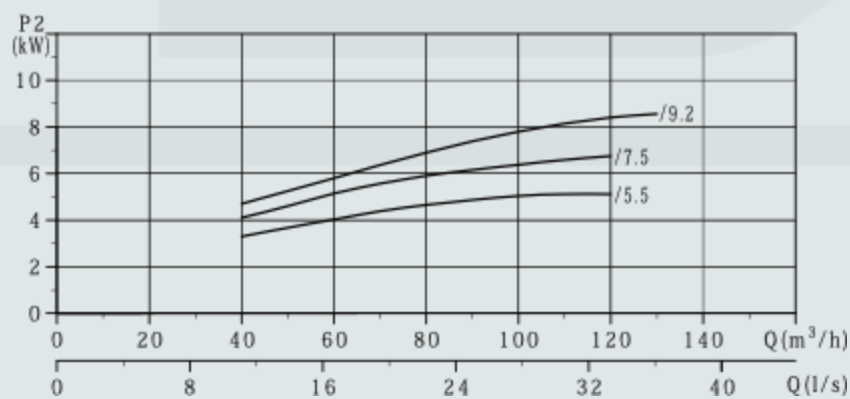
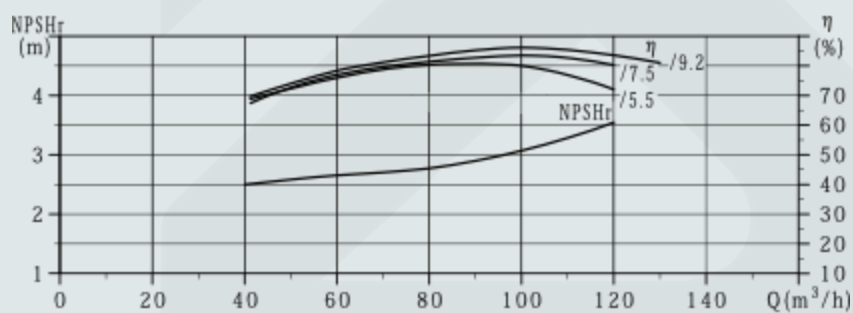
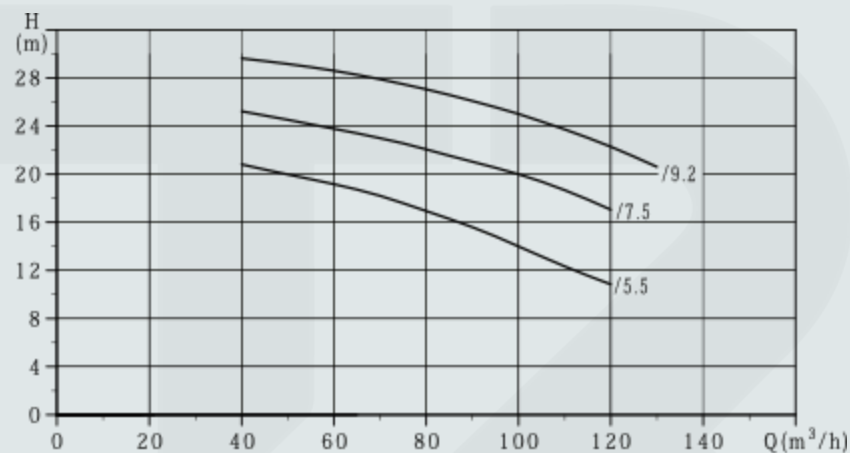
Dimensions and weight

| Model                 | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|-----------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                       | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS65 - 50 -160/5.5   | 50              | 413 | 200 | 380 | 680 | 580 | 370 | 330 | 280 | 300 | 78             |
| NZS65 - 50 -20 0/ 7.5 | 50              | 413 | 200 | 380 | 680 | 580 | 370 | 330 | 280 | 300 | 82             |
| NZS65 - 50 -200/9.2   | 50              | 413 | 200 | 380 | 680 | 580 | 370 | 330 | 280 | 300 | 85             |
| NZS65-50-200/11.0     | 50              | 456 | 200 | 380 | 790 | 690 | 420 | 380 | 330 | 350 | 161            |
| NZS65 - 50 -20 0/15.0 | 50              | 456 | 200 | 380 | 790 | 690 | 420 | 380 | 330 | 350 | 171            |
| NZS65 - 50 -20 0/18.5 | 50              | 456 | 200 | 380 | 830 | 730 | 420 | 380 | 330 | 350 | 188            |

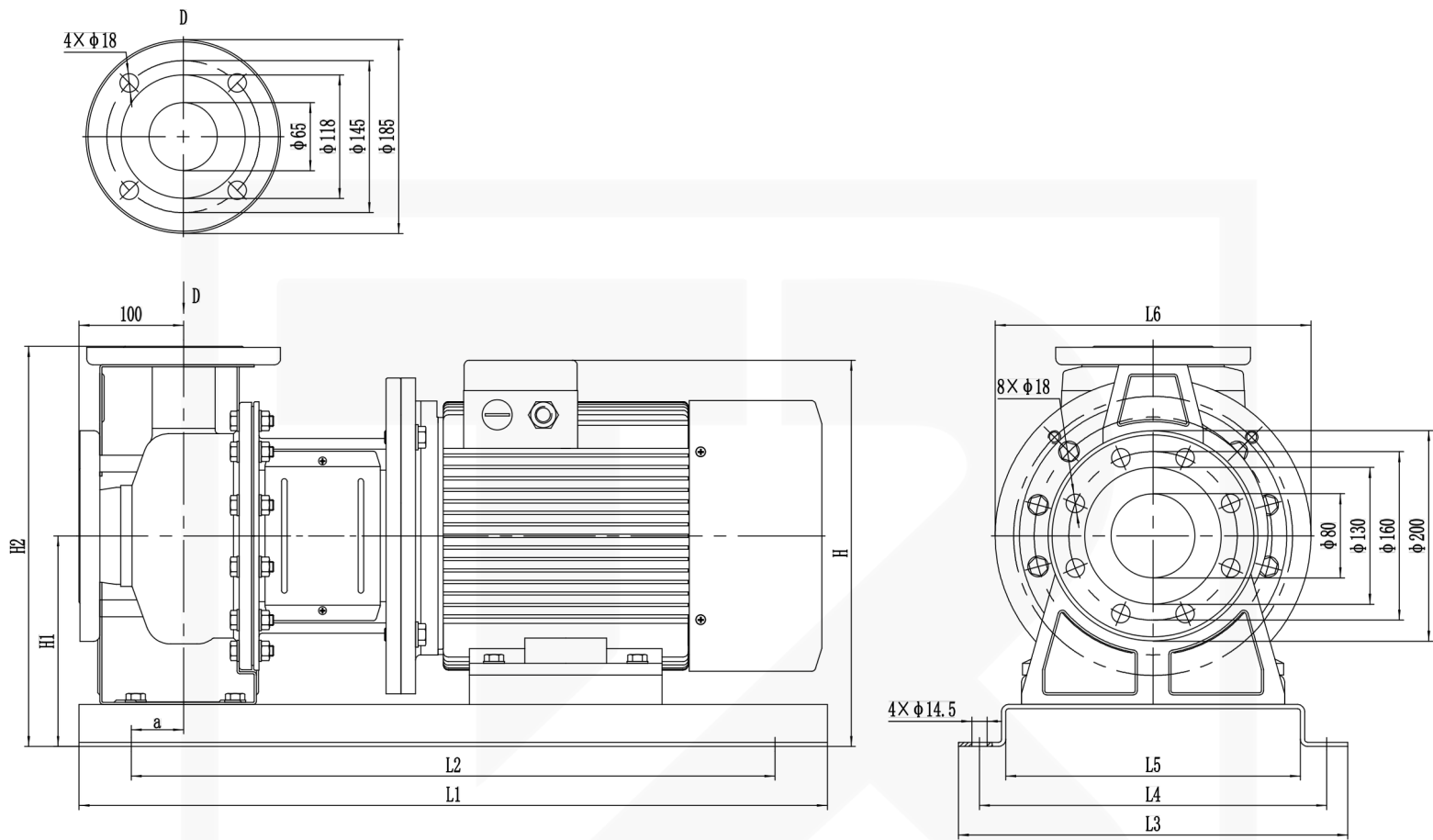
# NZS80-65-125

50Hz

Performance curves



Installation dimensions



Performance tables

| Model               | Motor |      | Q<br>(m³/h) | 40   | 50   | 60   | 70   | 80   | 90   | 100 | 110  | 120  | 130  |
|---------------------|-------|------|-------------|------|------|------|------|------|------|-----|------|------|------|
|                     | (kW)  | (hp) |             |      |      |      |      |      |      |     |      |      |      |
| NZS80 - 65 -125/5.5 | 5.5   | 7.5  | H<br>(m)    | 20.8 | 20   | 19.2 | 18.2 | 16.9 | 15.6 | 14  | 12.3 | 10.9 |      |
| NZS80-65-125/7.5    | 7.5   | 10   |             | 25.2 | 24.5 | 23.8 | 23   | 22.1 | 21   | 20  | 18.7 | 17.1 |      |
| NZS80 - 65 -125/9.2 | 9.2   | 12.5 |             | 29.6 | 29.2 | 28.6 | 27.9 | 27   | 26.1 | 25  | 23.7 | 22.3 | 20.6 |

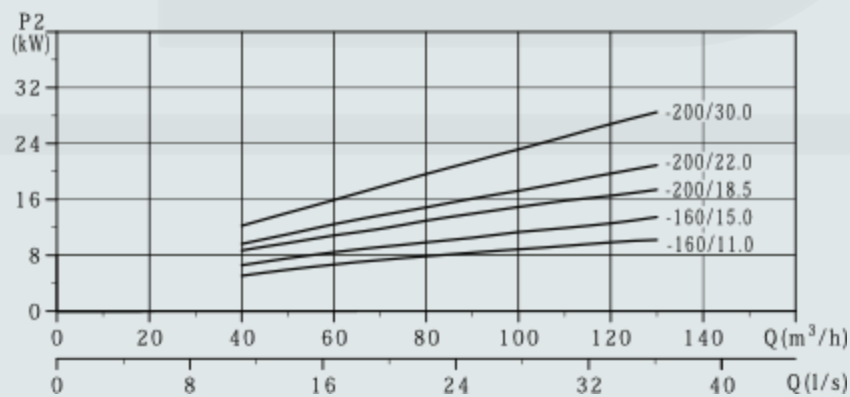
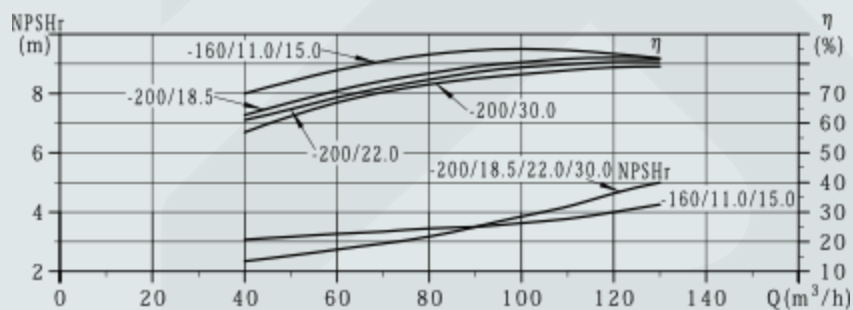
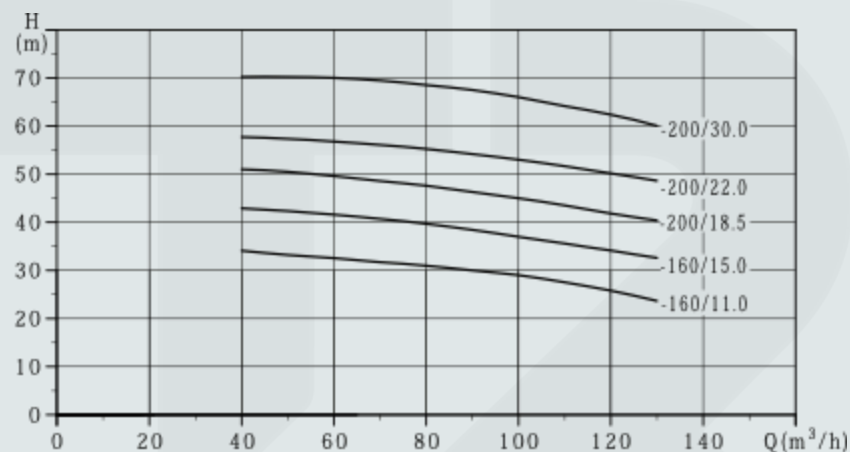
Dimensions and weight

| Model               | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|---------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                     | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS80 - 65 -125/5.5 | 50              | 413 | 200 | 380 | 690 | 590 | 370 | 330 | 280 | 300 | 79             |
| NZS80-65-125/7.5    | 50              | 413 | 200 | 380 | 690 | 590 | 370 | 330 | 280 | 300 | 83             |
| NZS80 - 65 -125/9.2 | 50              | 413 | 200 | 380 | 690 | 590 | 370 | 330 | 280 | 300 | 87             |

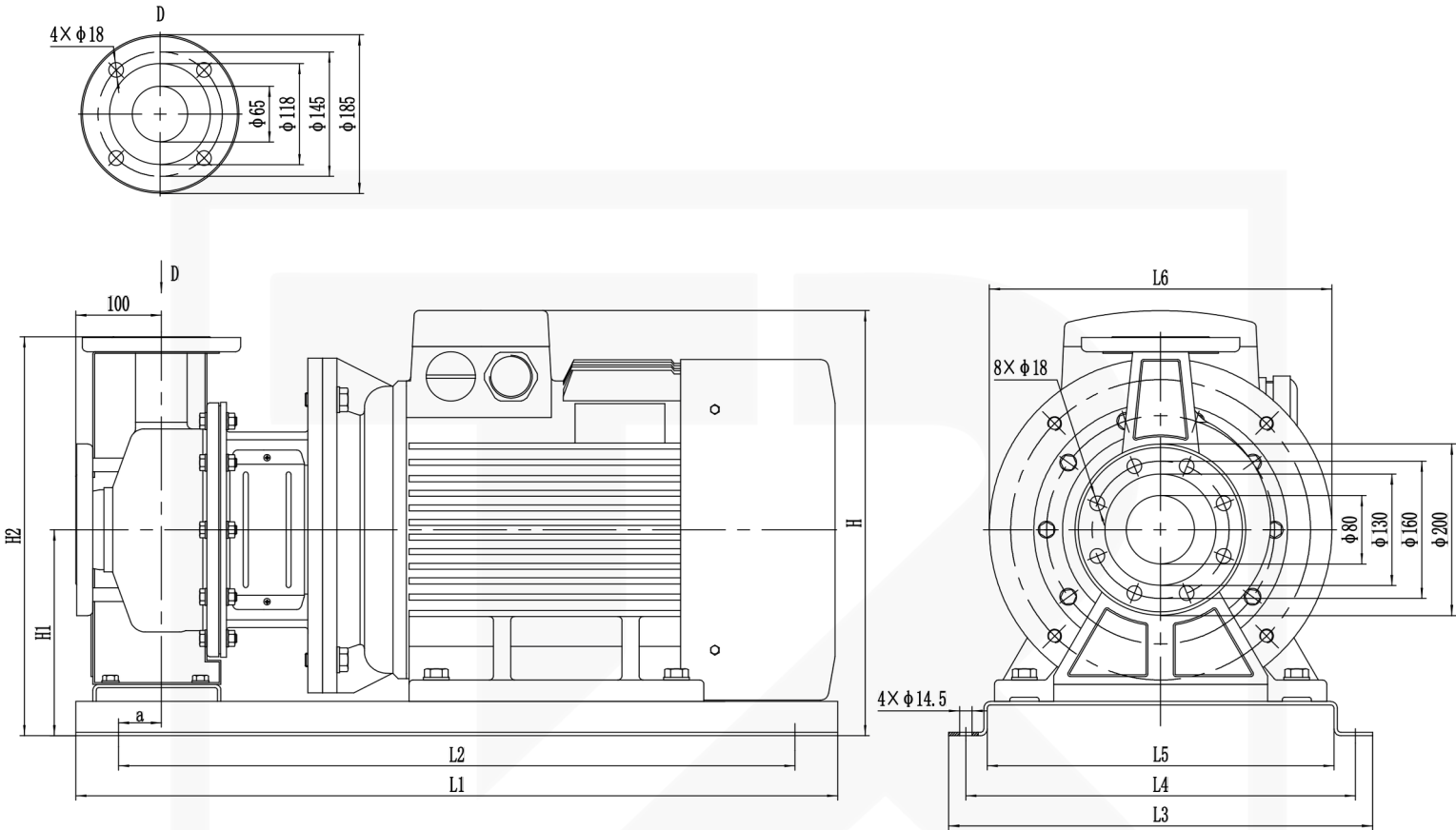
# NZS80-65-160(200)

## 50Hz

Performance curves



Installation dimensions



Performance tables

| Model             | Motor |      | Q<br>(m³/h) | 40   | 50   | 60   | 70   | 80   | 90   | 100 | 110  | 120  | 130  |
|-------------------|-------|------|-------------|------|------|------|------|------|------|-----|------|------|------|
|                   | (kW)  | (hp) |             |      |      |      |      |      |      |     |      |      |      |
| NZS80-65-160/11.0 | 11    | 15   | H<br>(m)    | 34.1 | 33.2 | 32.6 | 31.7 | 31   | 30   | 29  | 27.5 | 25.8 | 23.7 |
| NZS80 - 65        | 15    | 20   |             | 42.9 | 42.4 | 41.6 | 40.7 | 39.7 | 38.4 | 37  | 35.6 | 34.1 | 32.6 |
| -160/15.0 NZS80 - | 18.5  | 25   |             | 51   | 50.5 | 49.6 | 48.6 | 47.6 | 46.3 | 45  | 43.5 | 41.8 | 40.4 |
| 65 -20 0/18.5     | 22    | 30   |             | 57.7 | 57.4 | 56.8 | 56.1 | 55.3 | 54.2 | 53  | 51.7 | 50.2 | 48.6 |
| NZS80 - 65        | 30    | 40   |             | 70.2 | 70.1 | 70   | 69.4 | 68.5 | 67.5 | 66  | 64.2 | 62.4 | 60.1 |

-200/22.0 NZS80 -  
65 -200/30.0

Dimensions and weight

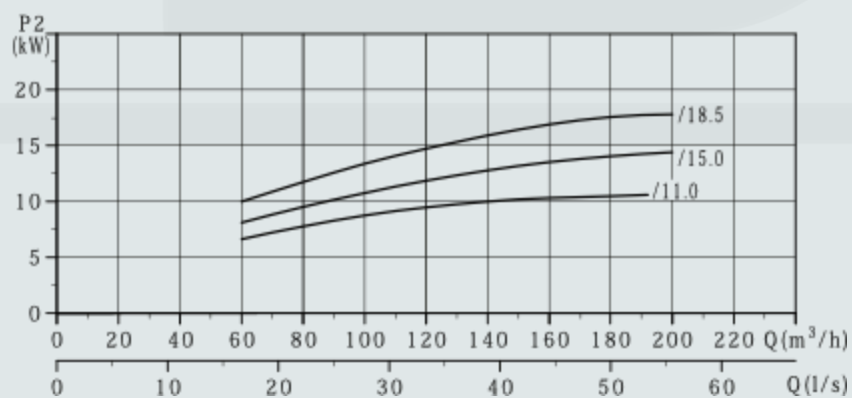
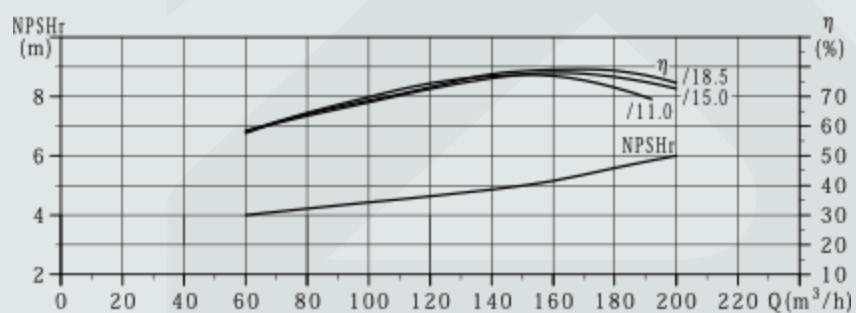
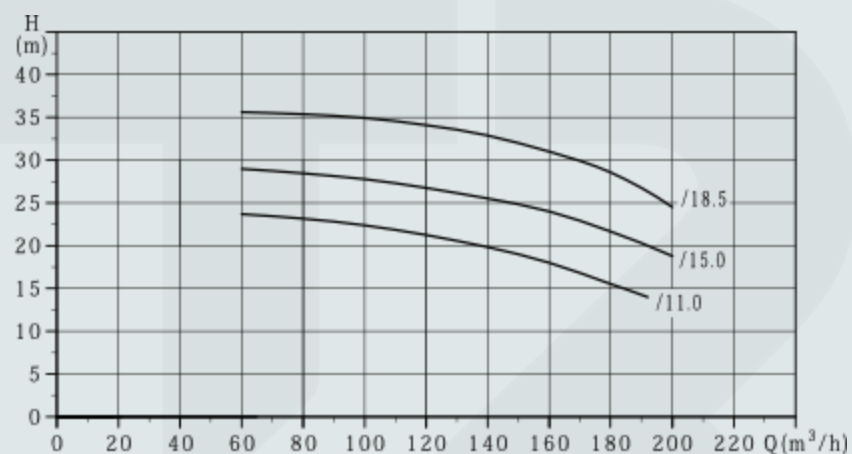
| Model             | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|-------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                   | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS80-65-160/11.0 | 50              | 456 | 200 | 400 | 790 | 690 | 420 | 380 | 330 | 350 | 163            |
| NZS80 - 65        | 50              | 456 | 200 | 400 | 790 | 690 | 420 | 380 | 330 | 350 | 173            |
| -160/15.0 NZS80 - | 50              | 476 | 220 | 445 | 830 | 730 | 420 | 380 | 330 | 350 | 190            |
| 65 -20 0/18.5     | 50              | 500 | 220 | 445 | 880 | 780 | 455 | 415 | 365 | 350 | 220            |
| NZS80 - 65        | 50              | 550 | 240 | 465 | 950 | 850 | 495 | 455 | 405 | 400 | 292            |

-200/22.0 NZS80 -  
65 -200/30.0

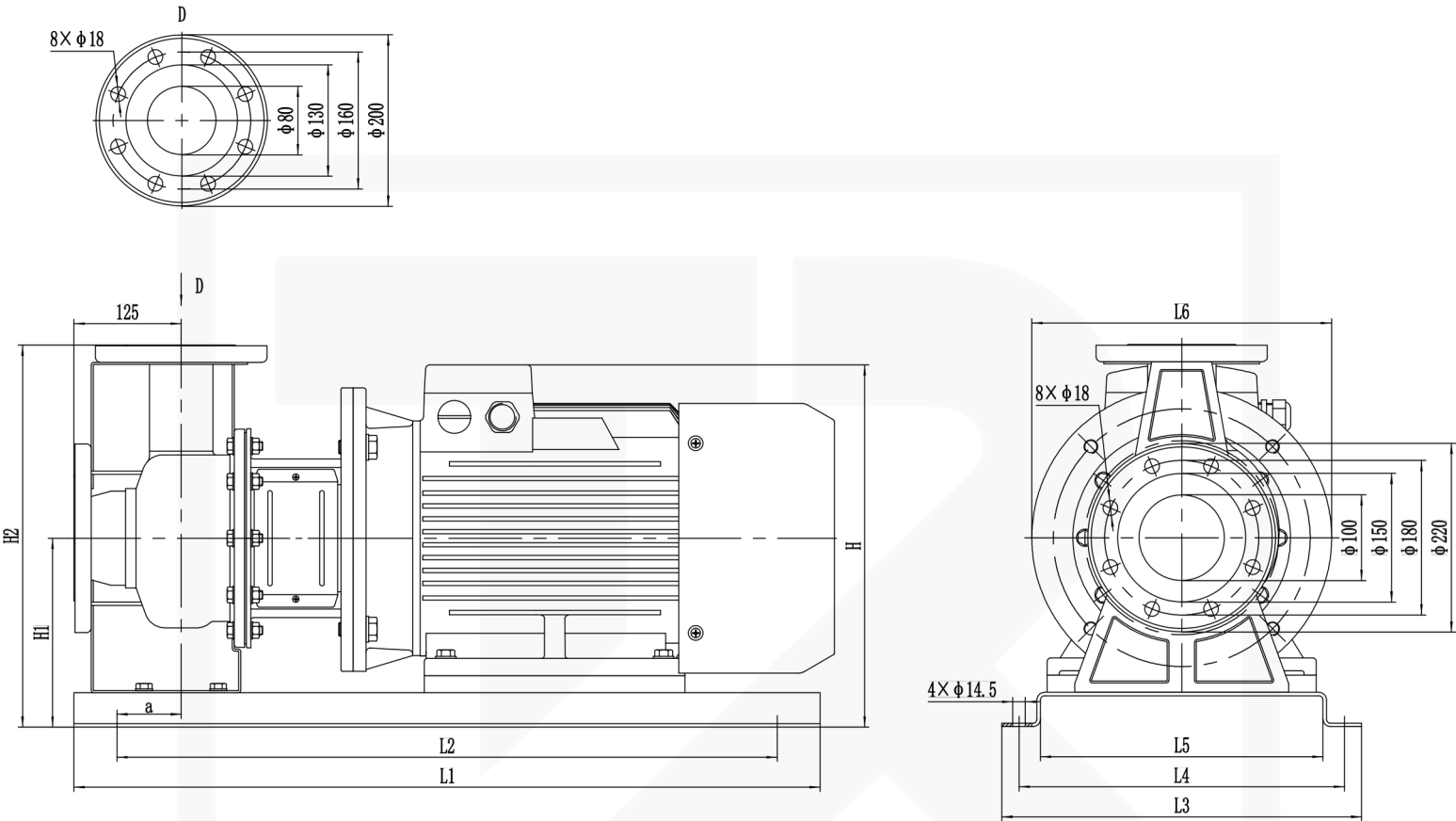
# NZS100-80-160

50Hz

Performance curves



Installation dimensions



Performance tables

| Model              | Motor |      | Q<br>(m³/h) | 60   | 80   | 100  | 120  | 140  | 160 | 180  | 192  | 200  |
|--------------------|-------|------|-------------|------|------|------|------|------|-----|------|------|------|
|                    | (kW)  | (hp) |             |      |      |      |      |      |     |      |      |      |
| NZS100-80-160/11.0 | 11    | 15   | H<br>(m)    | 23.7 | 23.2 | 22.4 | 21.3 | 19.8 | 18  | 15.5 | 14   |      |
| NZS100-80-160/15.0 | 15    | 20   |             | 28.9 | 28.5 | 27.8 | 26.8 | 25.5 | 24  | 21.7 | 20   | 18.8 |
| NZS100-80-160/18.5 | 18.5  | 25   |             | 35.6 | 35.4 | 34.9 | 34.1 | 32.9 | 31  | 28.6 | 26.3 | 24.5 |

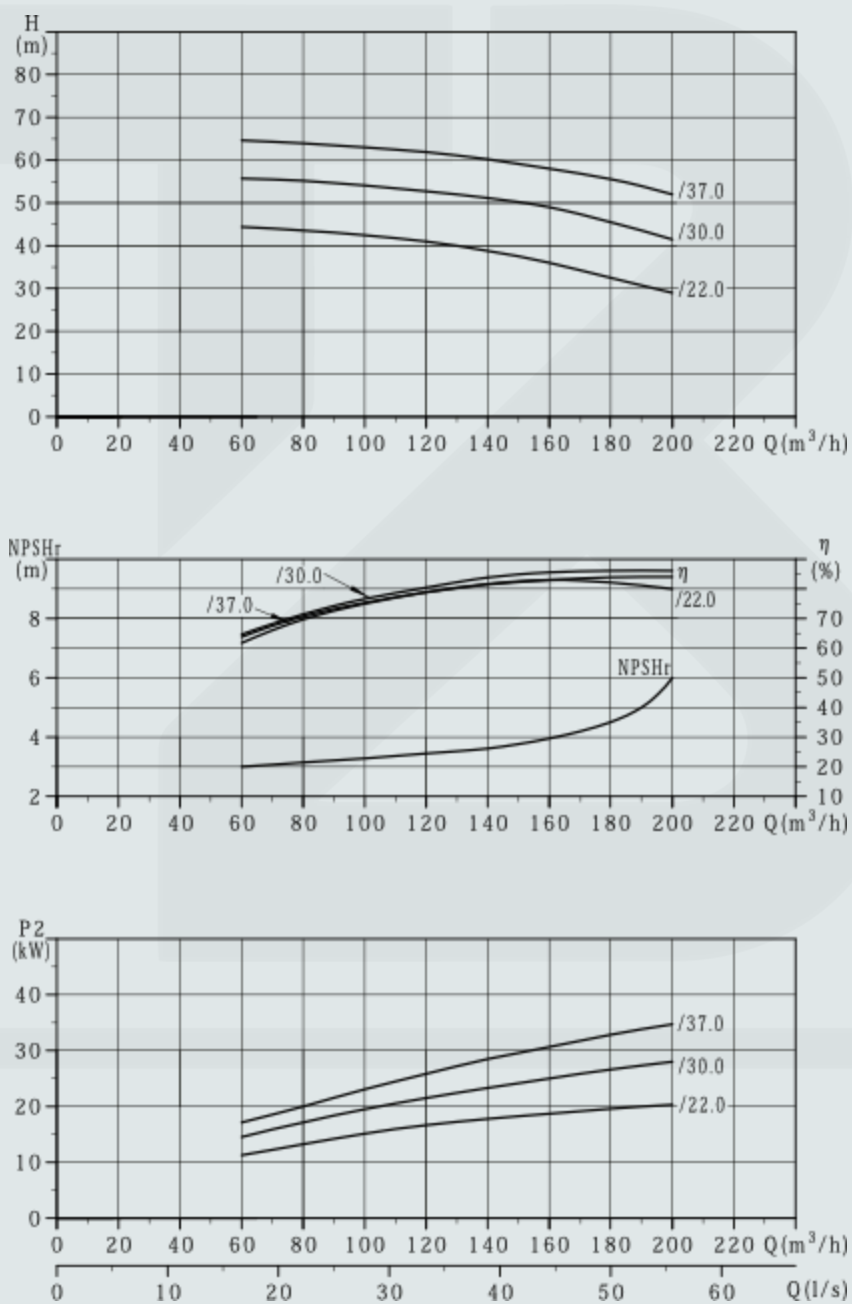
Dimensions and weight

| Model              | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|--------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                    | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS100-80-160/11.0 | 75              | 476 | 220 | 445 | 830 | 730 | 420 | 380 | 330 | 350 | 163            |
| NZS100-80-160/15.0 | 75              | 476 | 220 | 445 | 830 | 730 | 420 | 380 | 330 | 350 | 173            |
| NZS100-80-160/18.5 | 75              | 476 | 220 | 445 | 870 | 770 | 420 | 380 | 330 | 350 | 185            |

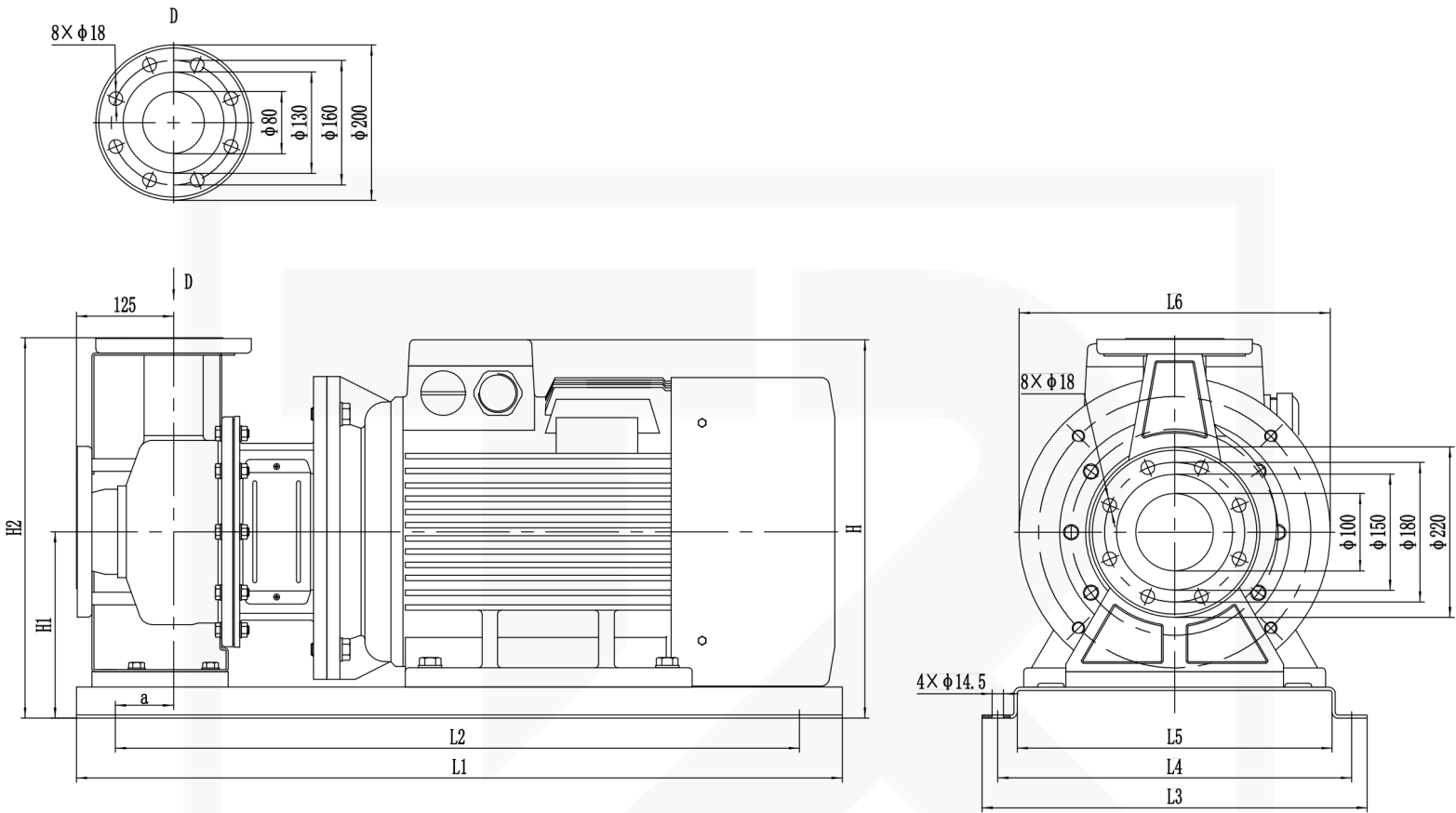
# NZS100-80-200

50Hz

Performance curves



Installation dimensions



Performance tables

| Model              | Motor |      | Q<br>(m³/h) | 60   | 80   | 100  | 120  | 140  | 160 | 180  | 200  |
|--------------------|-------|------|-------------|------|------|------|------|------|-----|------|------|
|                    | (kW)  | (hp) |             |      |      |      |      |      |     |      |      |
| NZS100-80-200/22.0 | 22    | 30   | H<br>(m)    | 44.4 | 43.6 | 42.5 | 41   | 38.8 | 36  | 32.5 | 29   |
| NZS100-80-200/30.0 | 30    | 40   |             | 55.7 | 55.2 | 54.1 | 52.7 | 51.2 | 49  | 45.5 | 41.5 |
| NZS100-80-200/37.0 | 37    | 50   |             | 64.6 | 63.9 | 63   | 61.9 | 60.2 | 58  | 55.6 | 52   |

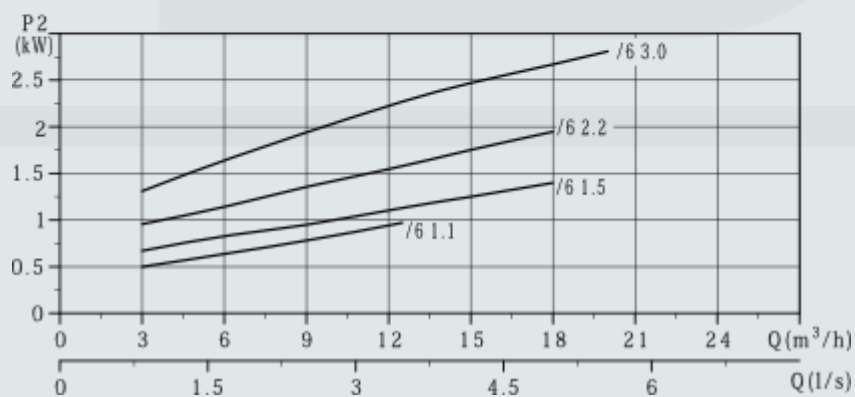
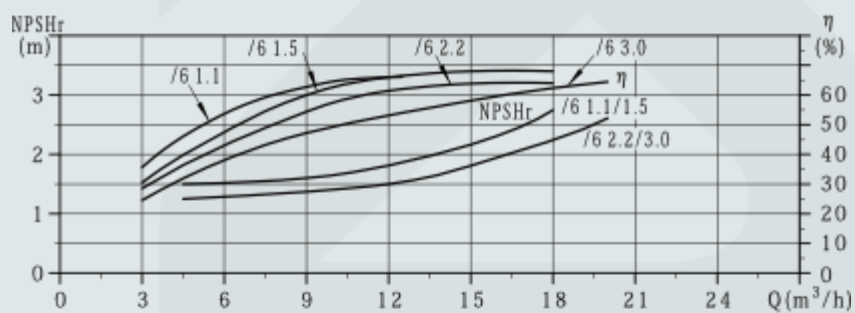
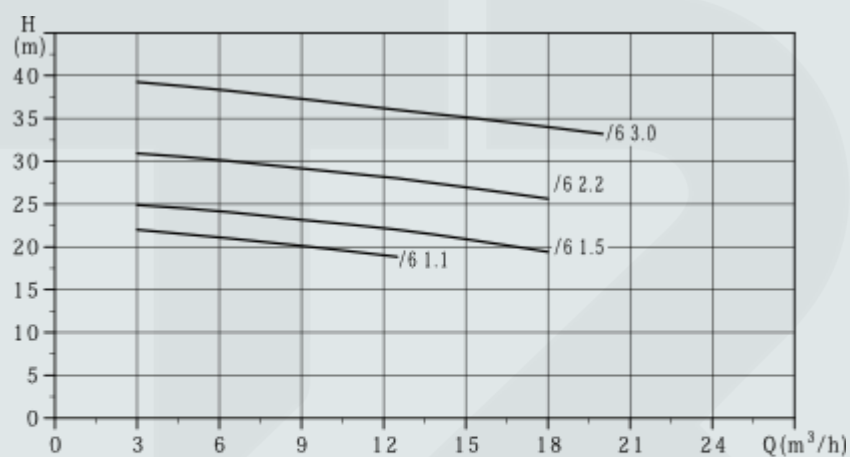
Dimensions and weight

| Model              | Dimensions (mm) |     |     |     |         |     |     |     |     | Weight (kg) |
|--------------------|-----------------|-----|-----|-----|---------|-----|-----|-----|-----|-------------|
|                    | a               | H   | H1  | H2  | L1L2    | L3  | L4  | L5  | L6  |             |
| NZS100-80-200/22.0 | 75              | 500 | 220 | 470 | 915 810 | 455 | 415 | 365 | 350 | 223         |
| NZS100-80-200/30.0 | 75              | 550 | 240 | 490 | 985 880 | 495 | 455 | 405 | 400 | 295         |
| NZS100-80-200/37.0 | 75              | 550 | 240 | 490 | 985 880 | 495 | 455 | 405 | 400 | 315         |

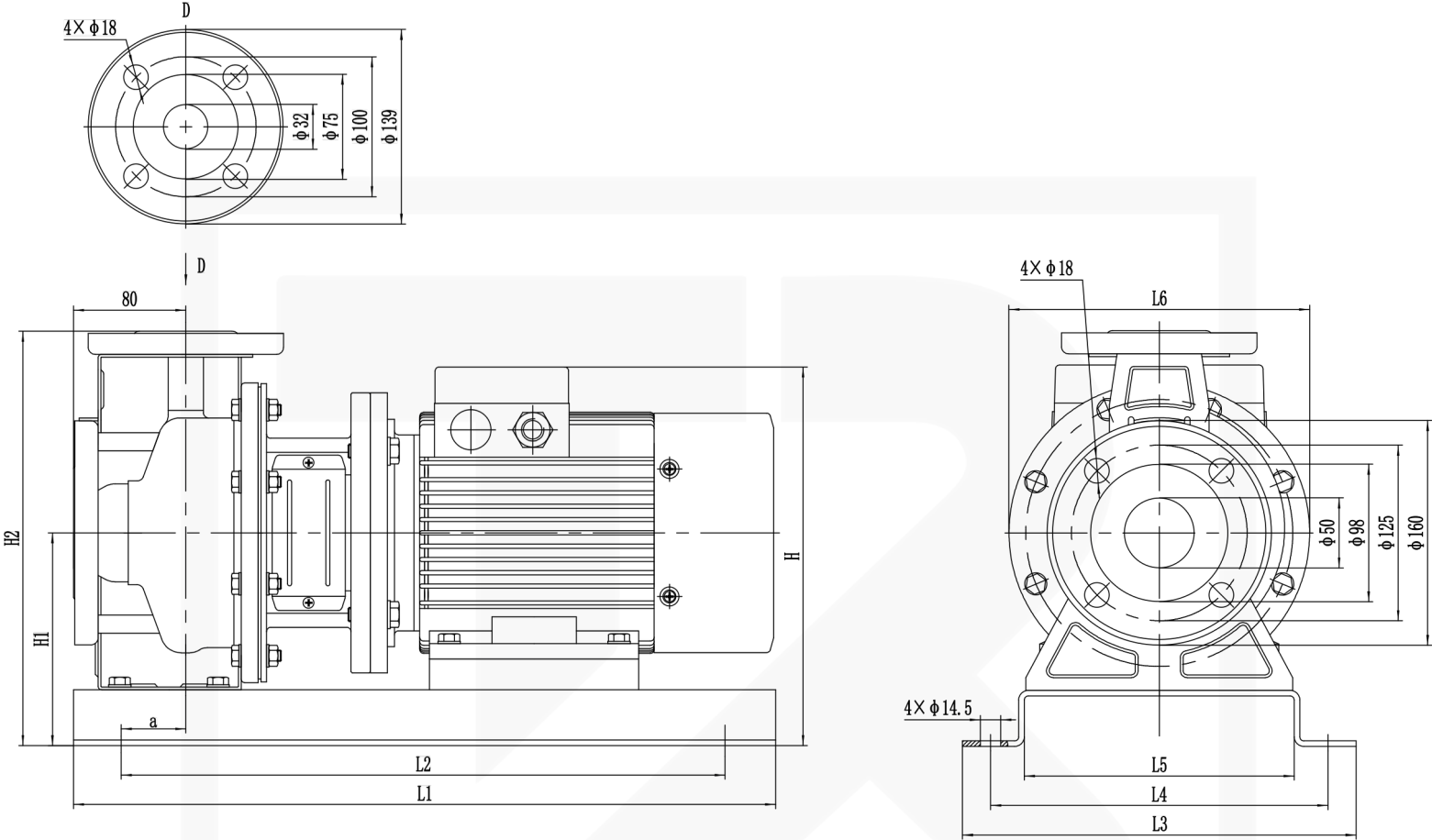
# NZS50-32-160

60Hz

Performance curves



Installation dimensions



Performance tables

| Model              | Motor |      | Q<br>(m³/h) | 3    | 6.3  | 9    | 12.5 | 15   | 18   | 20   |
|--------------------|-------|------|-------------|------|------|------|------|------|------|------|
|                    | (kW)  | (hp) |             |      |      |      |      |      |      |      |
| NZS50-32-160/6 1.1 | 1.1   | 1.5  | H<br>(m)    | 22   | 21   | 20.1 | 18.8 |      |      |      |
| NZS50-32-160/6 1.5 | 1.5   | 2    |             | 24.9 | 24.1 | 23.2 | 22   | 20.9 | 19.4 |      |
| NZS50-32-160/6 2.2 | 2.2   | 3    |             | 30.9 | 30.1 | 29.2 | 28   | 27   | 25.6 |      |
| NZS50-32-160/6 3.0 | 3     | 4    |             | 39.3 | 38.2 | 37.3 | 36   | 35.1 | 34   | 33.2 |

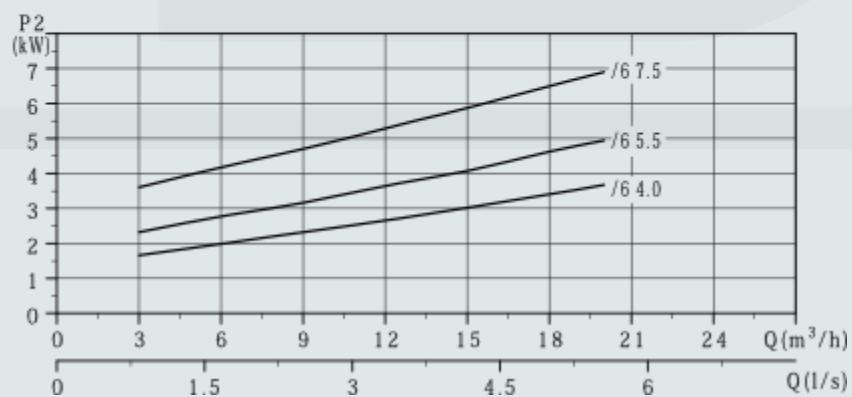
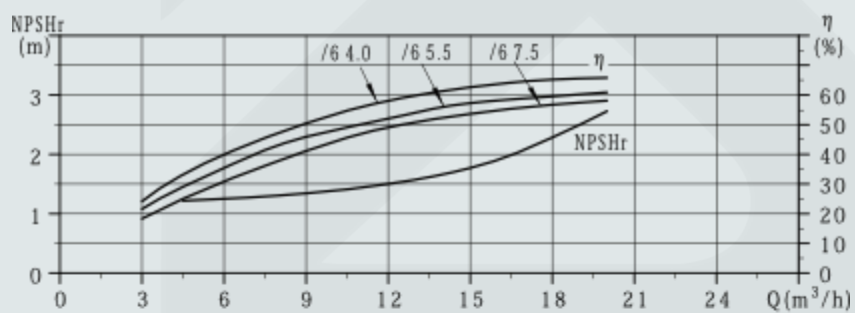
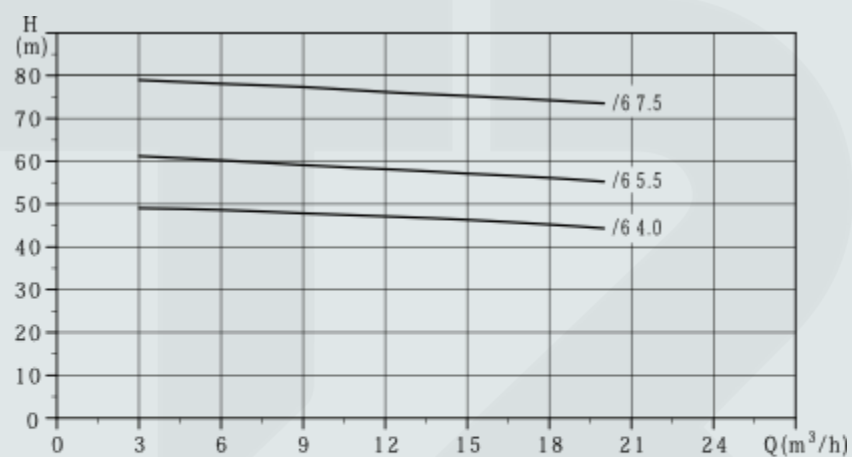
Dimensions and weight

| Model              | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|--------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                    | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS50-32-160/6 1.1 | 32              | 290 | 152 | 296 | 470 | 370 | 280 | 240 | 192 | 210 | 31             |
| NZS50-32-160/6 1.5 | 46              | 307 | 152 | 296 | 500 | 430 | 280 | 240 | 192 | 210 | 37             |
| NZS50-32-160/6 2.2 | 46              | 307 | 152 | 296 | 500 | 430 | 280 | 240 | 192 | 210 | 39             |
| NZS50-32-160/6 3.0 | 46              | 322 | 152 | 296 | 532 | 460 | 300 | 260 | 212 | 250 | 47             |

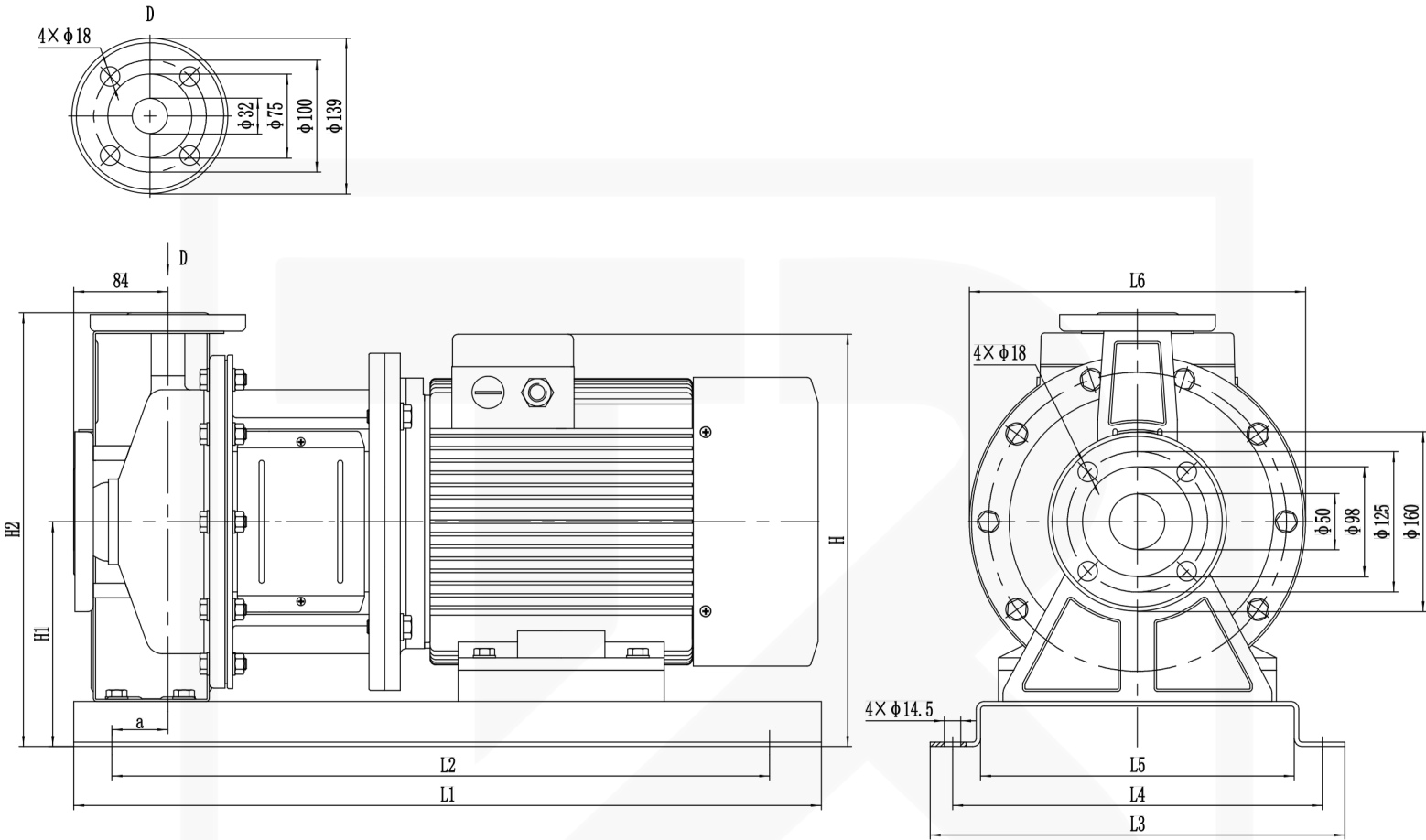
# NZS50-32-200

## 60Hz

Performance curves



Installation dimensions



Performance tables

| Model              | Motor |      | Q<br>(m³/h) | 3    | 6.3  | 9    | 12.5 | 15   | 18   | 20   |
|--------------------|-------|------|-------------|------|------|------|------|------|------|------|
|                    | (kW)  | (hp) |             |      |      |      |      |      |      |      |
| NZS50-32-200/6 4.0 | 4     | 5.5  | H<br>(m)    | 49.1 | 48.5 | 47.9 | 47   | 46.3 | 45.2 | 44.3 |
| NZS50-32-200/6 5.5 | 5.5   | 7.5  |             | 61.2 | 60.1 | 59.1 | 58   | 57.1 | 56.1 | 55.2 |
| NZS50-32-200/6 7.5 | 7.5   | 10   |             | 79   | 78   | 77.3 | 76   | 75.2 | 74.3 | 73.5 |

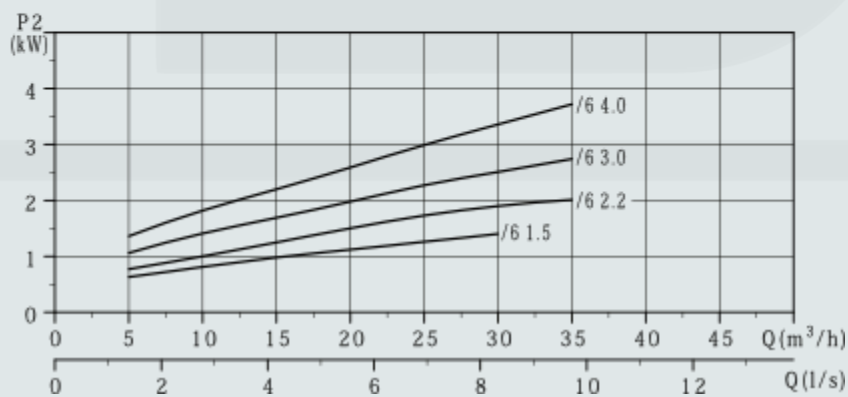
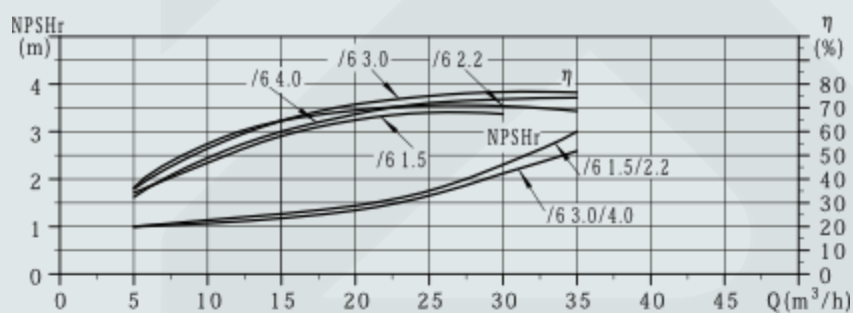
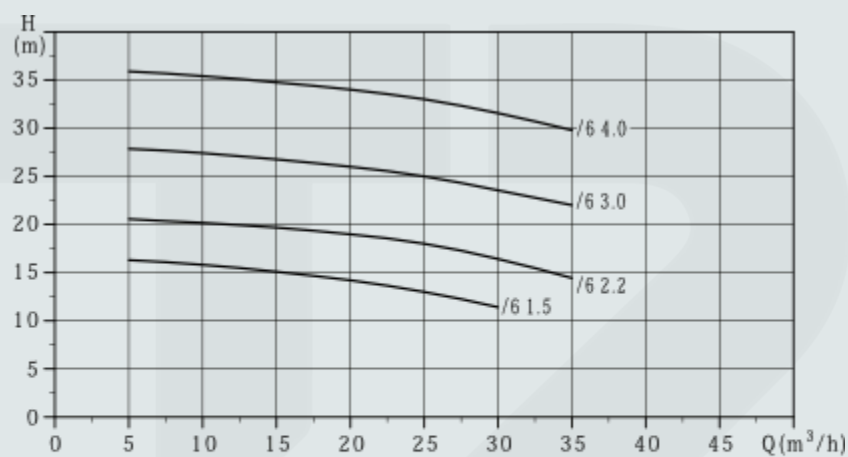
Dimensions and weight

| Model              | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|--------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                    | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS50-32-200/6 4.0 | 47              | 393 | 200 | 386 | 560 | 480 | 330 | 290 | 242 | 300 | 58             |
| NZS50-32-200/6 5.5 | 50              | 413 | 200 | 386 | 660 | 580 | 370 | 330 | 280 | 300 | 77             |
| NZS50-32-200/6 7.5 | 50              | 413 | 200 | 386 | 660 | 580 | 370 | 330 | 280 | 300 | 81             |

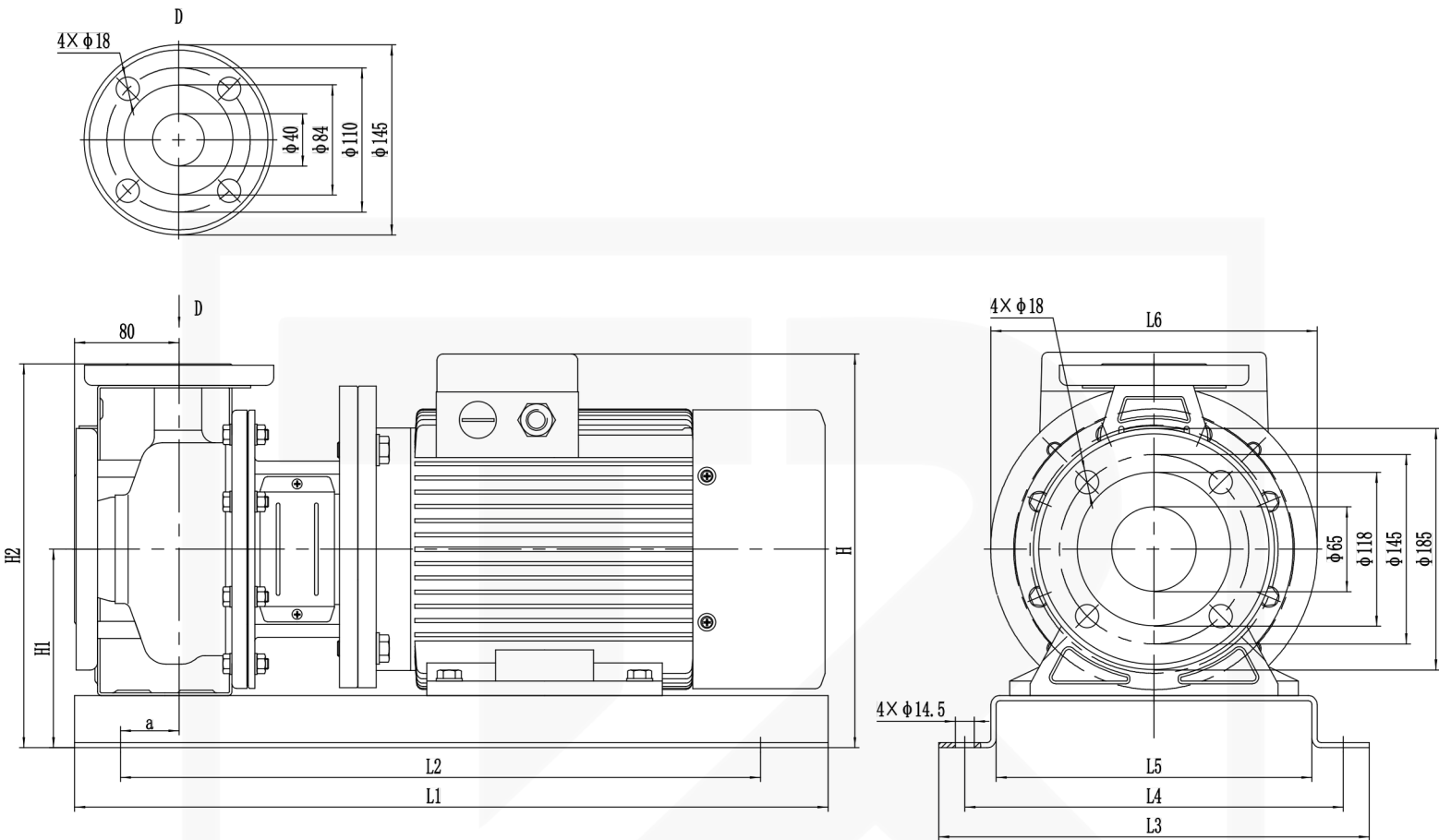
# NZS65-40-125

60Hz

Performance curves



Installation dimensions



Performance tables

| Model              | Motor |      | Q<br>(m³/h) | 5    | 10   | 15   | 20   | 25 | 30   | 35   |
|--------------------|-------|------|-------------|------|------|------|------|----|------|------|
|                    | (kW)  | (hp) |             |      |      |      |      |    |      |      |
| NZS65-40-125/6 1.5 | 1.5   | 2    | H<br>(m)    | 16.3 | 15.8 | 15.1 | 14.2 | 13 | 11.4 |      |
| NZS65-40-125/6 2.2 | 2.2   | 3    |             | 20.6 | 20.2 | 19.7 | 19   | 18 | 16.4 | 14.5 |
| NZS65-40-125/6 3.0 | 3     | 4    |             | 27.9 | 27.4 | 26.8 | 26   | 25 | 23.6 | 22   |
| NZS65-40-125/6 4.0 | 4     | 5.5  |             | 35.9 | 35.4 | 34.8 | 34   | 33 | 31.6 | 29.8 |

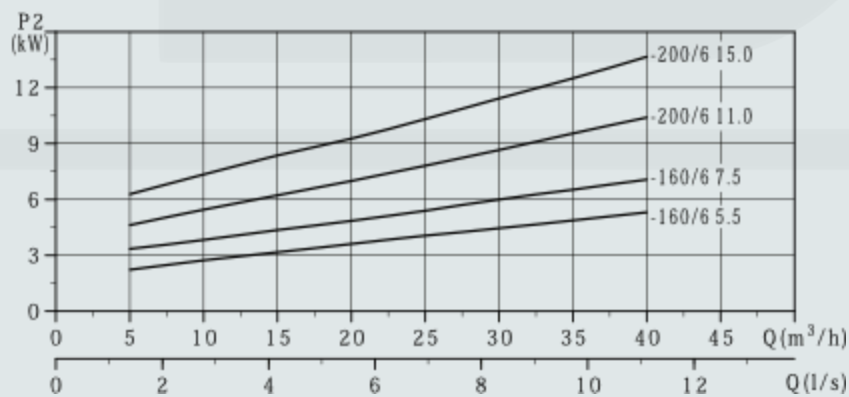
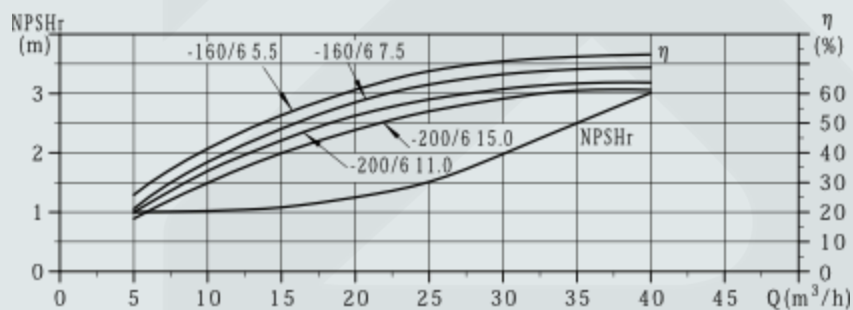
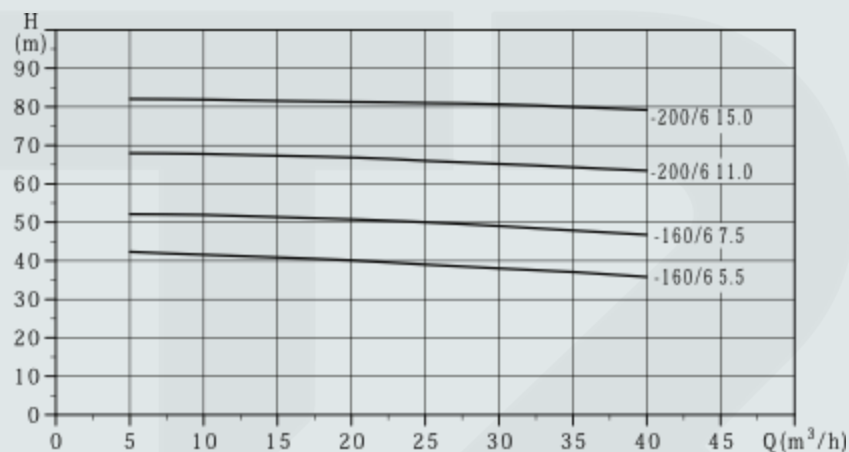
Dimensions and weight

| Model              | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|--------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                    | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS65-40-125/6 1.5 | 45              | 307 | 152 | 294 | 502 | 430 | 280 | 240 | 192 | 210 | 33             |
| NZS65-40-125/6 2.2 | 45              | 307 | 152 | 294 | 502 | 430 | 280 | 240 | 192 | 210 | 35             |
| NZS65-40-125/6 3.0 | 45              | 322 | 152 | 294 | 532 | 460 | 300 | 260 | 212 | 250 | 47             |
| NZS65-40-125/6 4.0 | 45              | 345 | 152 | 294 | 557 | 480 | 330 | 290 | 242 | 250 | 52             |

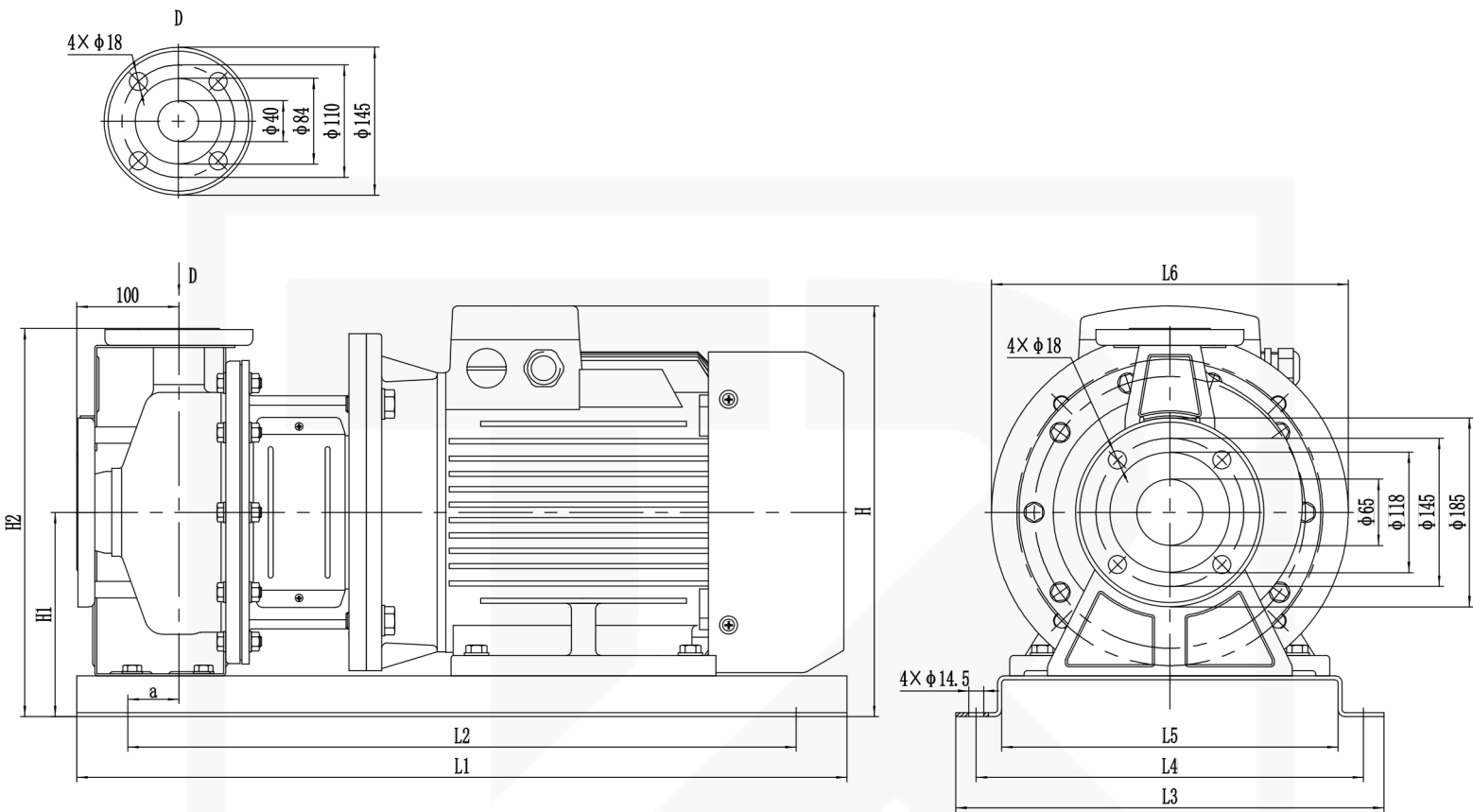
# NZS65-40-160(200)

60Hz

Performance curves



Installation dimensions



Performance tables

| Model               | Motor |      | Q<br>(m³/h) | 5    | 10   | 15   | 20   | 25 | 30   | 35   | 40   |
|---------------------|-------|------|-------------|------|------|------|------|----|------|------|------|
|                     | (kW)  | (hp) |             |      |      |      |      |    |      |      |      |
| NZS65-40-160/6 5.5  | 5.5   | 7.5  | H<br>(m)    | 42.3 | 41.6 | 40.9 | 40.1 | 39 | 38.1 | 37.1 | 35.8 |
| NZS65-40-160/6 7.5  | 7.5   | 10   |             | 52.1 | 51.9 | 51.4 | 50.8 | 50 | 49   | 47.9 | 46.8 |
| NZS65-40-200/6 11.0 | 11    | 15   |             | 68   | 67.8 | 67.3 | 66.8 | 66 | 65.2 | 64.3 | 63.4 |
| NZS65-40-200/6 15.0 | 15    | 20   |             | 82.1 | 81.9 | 81.6 | 81.3 | 81 | 80.7 | 80   | 79.2 |

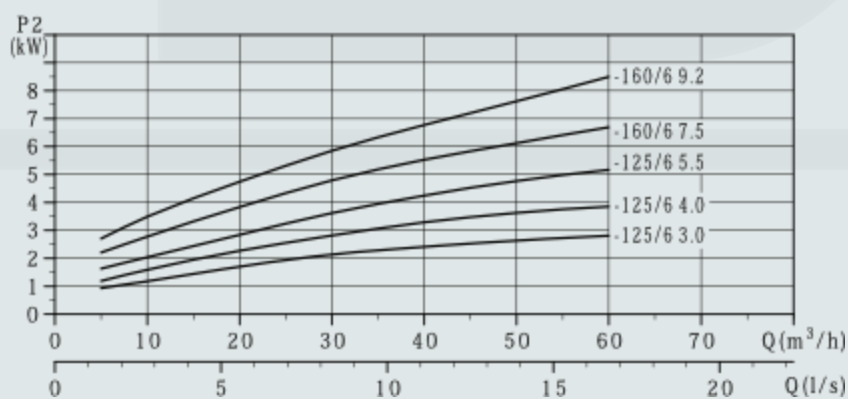
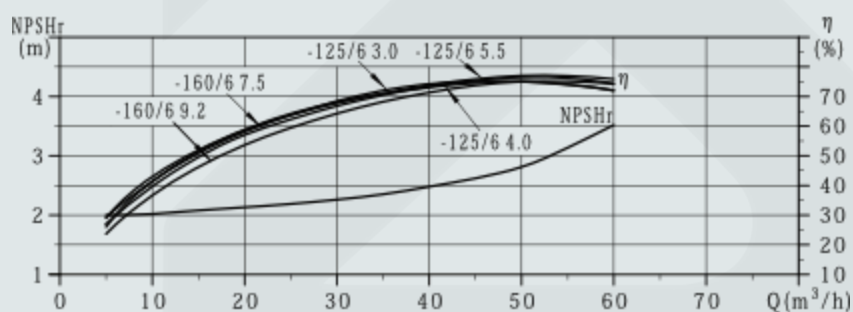
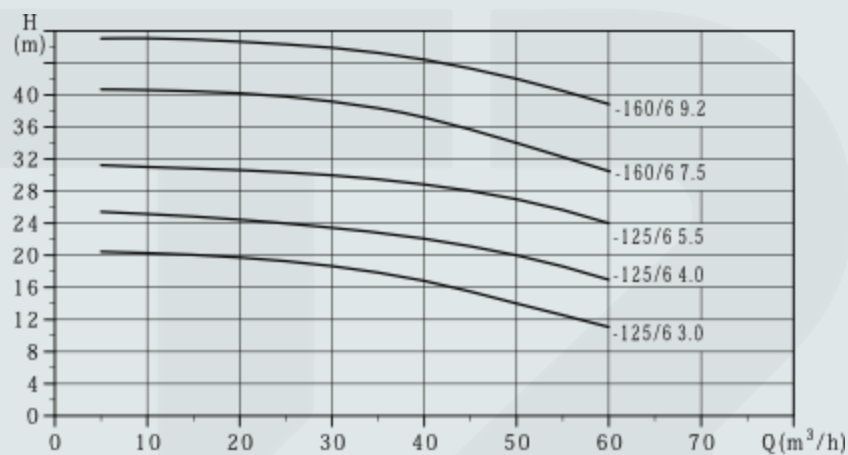
Dimensions and weight

| Model               | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|---------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                     | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS65-40-160/6 5.5  | 50              | 413 | 200 | 380 | 680 | 580 | 370 | 330 | 280 | 300 | 78             |
| NZS65-40-160/6 7.5  | 50              | 413 | 200 | 380 | 680 | 580 | 370 | 330 | 280 | 300 | 82             |
| NZS65-40-200/6 11.0 | 50              | 456 | 200 | 380 | 790 | 690 | 420 | 380 | 330 | 350 | 161            |
| NZS65-40-200/6 15.0 | 50              | 456 | 200 | 380 | 790 | 690 | 420 | 380 | 330 | 350 | 171            |

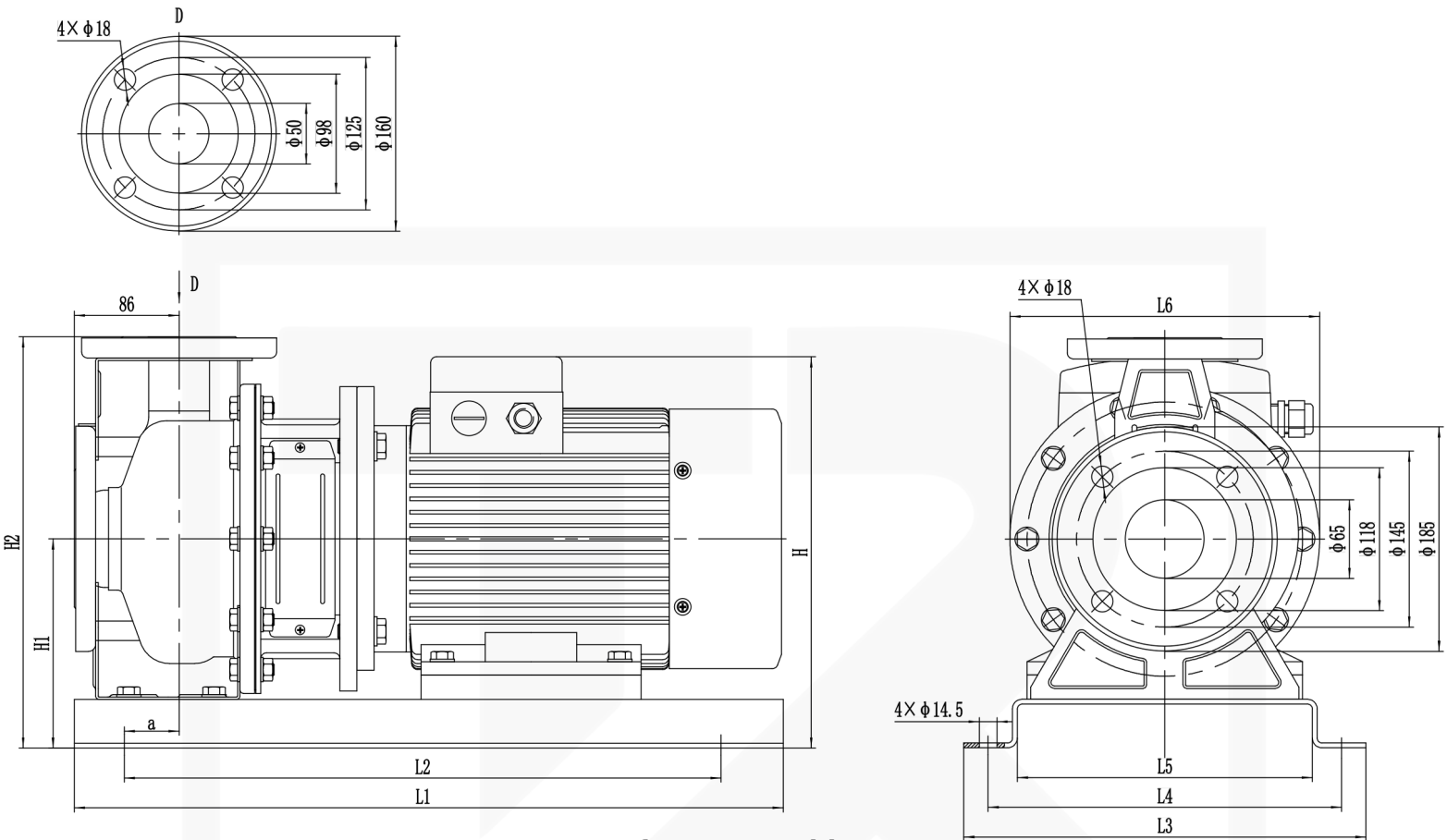
# NZS65-50-125(160)

60Hz

Performance curves



Installation dimensions



Performance tables

| Model              | Motor |      | Q<br>(m³/h) | 5    | 10   | 20   | 30   | 40   | 50 | 60   |
|--------------------|-------|------|-------------|------|------|------|------|------|----|------|
|                    | (kW)  | (hp) |             |      |      |      |      |      |    |      |
| NZS65-50-125/6 3.0 | 3     | 4    | H<br>(m)    | 20.5 | 20.3 | 19.7 | 18.7 | 16.8 | 14 | 11.1 |
| NZS65-50-125/6 4.0 | 4     | 5.5  |             | 25.4 | 25.1 | 24.5 | 23.5 | 22.1 | 20 | 17   |
| NZS65-50-125/6 5.5 | 5.5   | 7.5  |             | 31.2 | 31   | 30.6 | 30   | 28.8 | 27 | 24   |
| NZS65-50-160/6 7.5 | 7.5   | 10   |             | 40.7 | 40.6 | 40.2 | 39.2 | 37.2 | 34 | 30.5 |
| NZS65-50-160/6 9.2 | 9.2   | 12.5 |             | 47.1 | 47   | 46.7 | 46   | 44.4 | 42 | 38.9 |

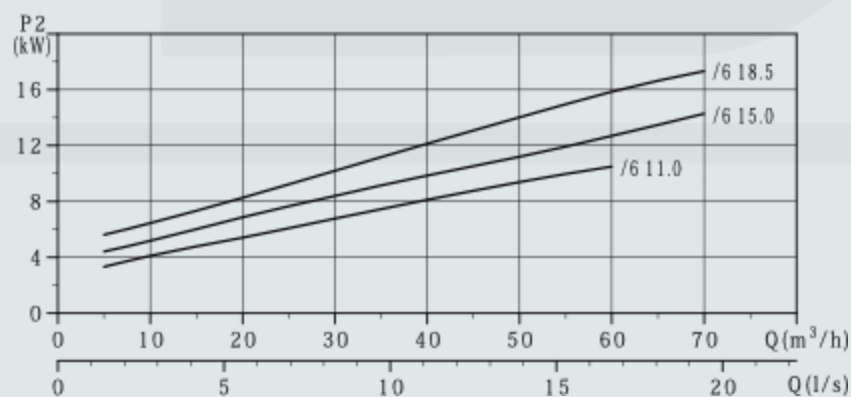
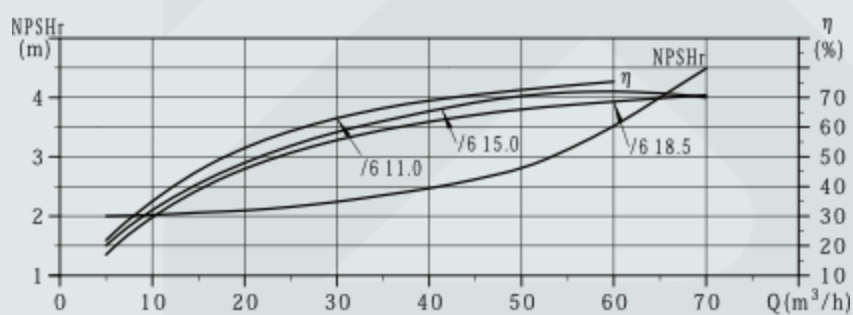
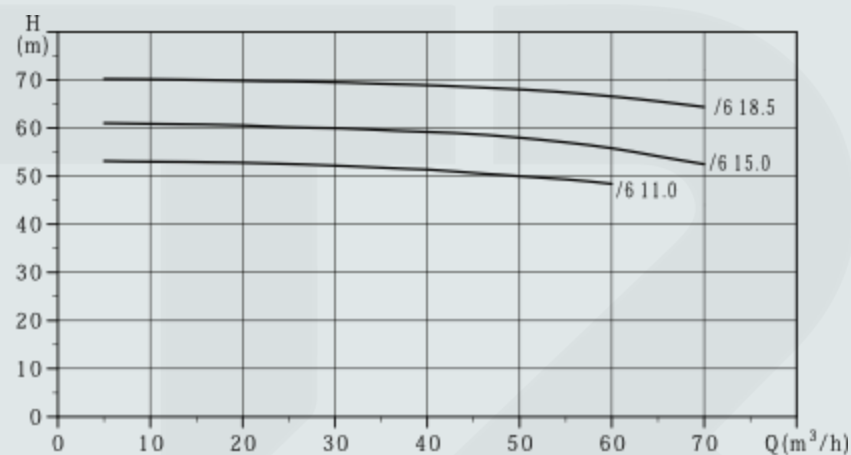
Dimensions and weight

| Model              | Dimensions (mm) |     |     |     |         |     |     |     |     | Weight (kg) |
|--------------------|-----------------|-----|-----|-----|---------|-----|-----|-----|-----|-------------|
|                    | a               | H   | H1  | H2  | L1L2    | L3  | L4  | L5  | L6  |             |
| NZS65-50-125/6 3.0 | 45              | 342 | 172 | 338 | 548 468 | 330 | 290 | 242 | 250 | 49          |
| NZS65-50-125/6 4.0 | 45              | 365 | 172 | 338 | 570 490 | 330 | 290 | 242 | 250 | 54          |
| NZS65-50-125/6 5.5 | 37              | 385 | 172 | 338 | 680 580 | 370 | 330 | 280 | 300 | 78          |
| NZS65-50-160/6 7.5 | 37              | 385 | 172 | 338 | 680 580 | 370 | 330 | 280 | 300 | 82          |
| NZS65-50-160/6 9.2 | 37              | 385 | 172 | 338 | 680 580 | 370 | 330 | 280 | 300 | 85          |

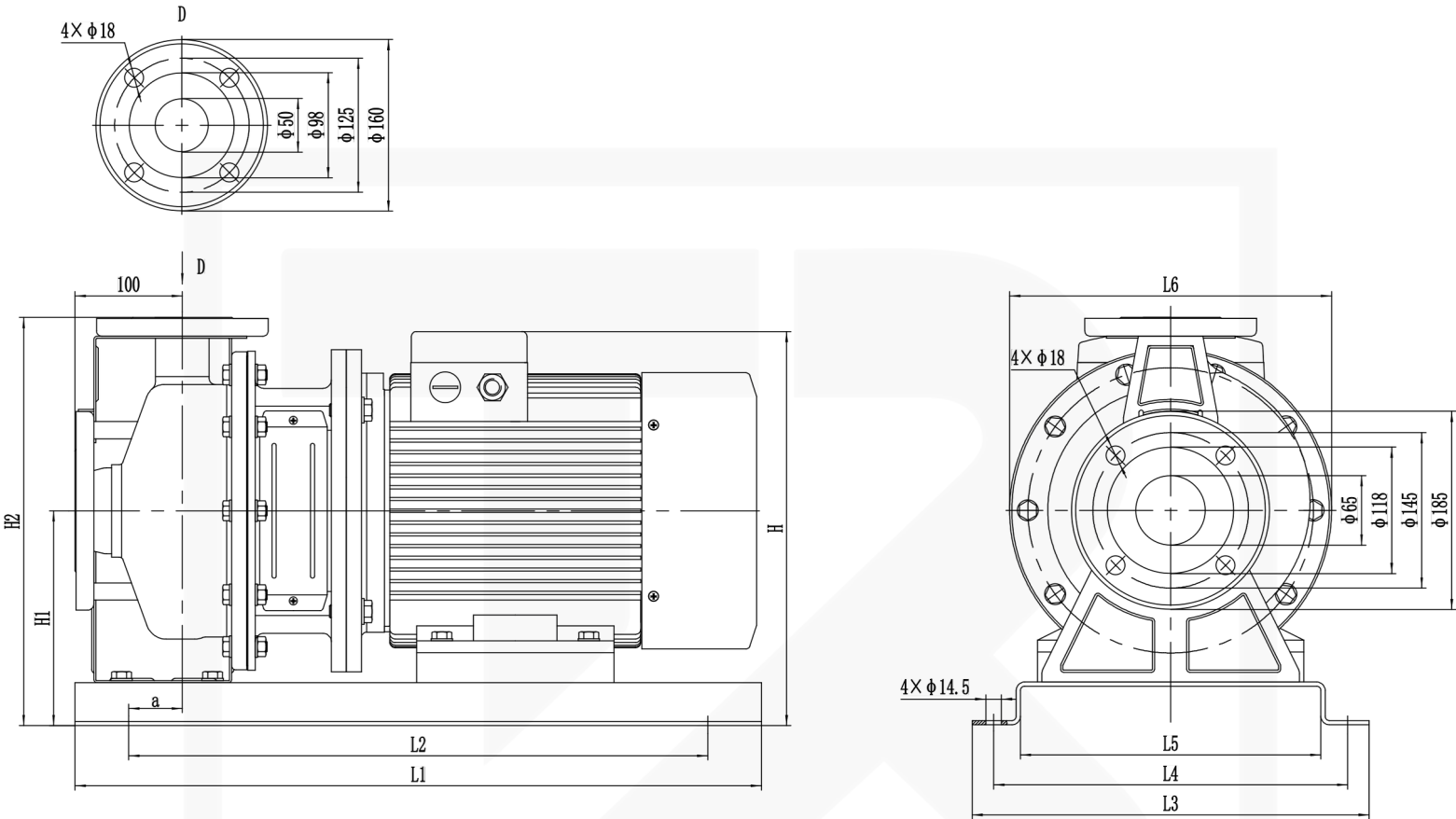
# NZS65-50-200

60Hz

Performance curves



Installation dimensions



Performance tables

| Model               | Motor |      | Q<br>(m³/h) | 5    | 10   | 20   | 30   | 40   | 50 | 60   | 70   |
|---------------------|-------|------|-------------|------|------|------|------|------|----|------|------|
|                     | (kW)  | (hp) |             |      |      |      |      |      |    |      |      |
| NZS65-50-200/6 11.0 | 11    | 15   | H<br>(m)    | 53.2 | 53   | 52.8 | 52.2 | 51.4 | 50 | 48.4 |      |
| NZS65-50-200/6 15.0 | 15    | 20   |             | 61   | 60.9 | 60.6 | 60   | 59.2 | 58 | 55.8 | 52.5 |
| NZS65-50-200/6 18.5 | 18.5  | 25   |             | 70.2 | 70.1 | 69.8 | 69.5 | 68.9 | 68 | 66.6 | 64.4 |

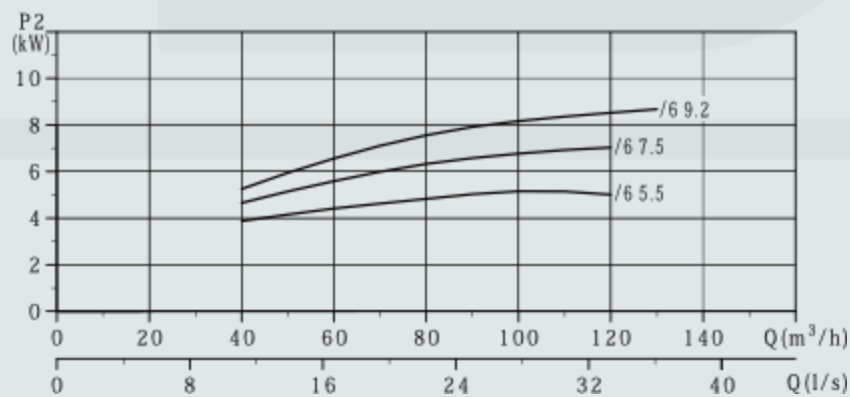
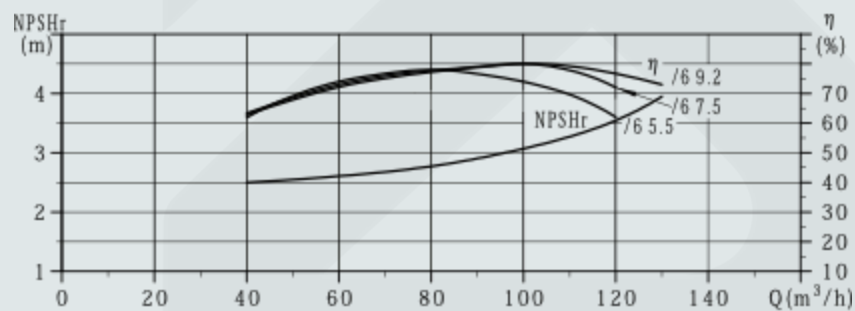
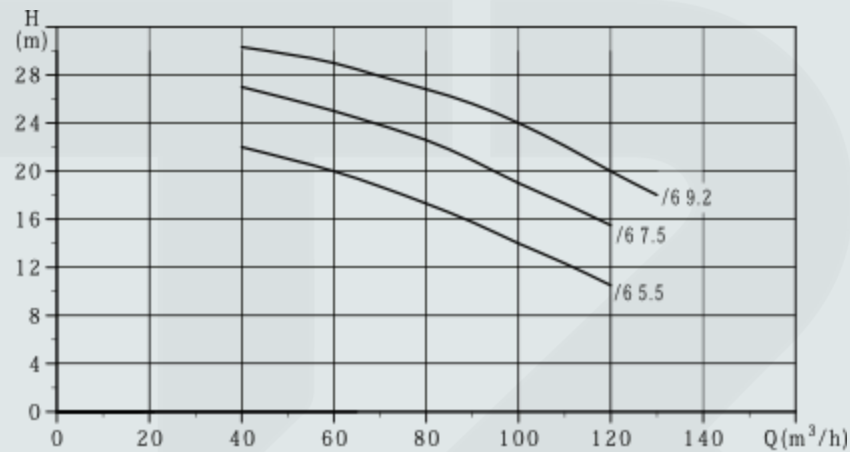
Dimensions and weight

| Model               | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|---------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                     | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS65-50-200/6 11.0 | 50              | 456 | 200 | 380 | 790 | 690 | 420 | 380 | 330 | 350 | 161            |
| NZS65-50-200/6 15.0 | 50              | 456 | 200 | 380 | 790 | 690 | 420 | 380 | 330 | 350 | 171            |
| NZS65-50-200/6 18.5 | 50              | 456 | 200 | 380 | 830 | 730 | 420 | 380 | 330 | 350 | 188            |

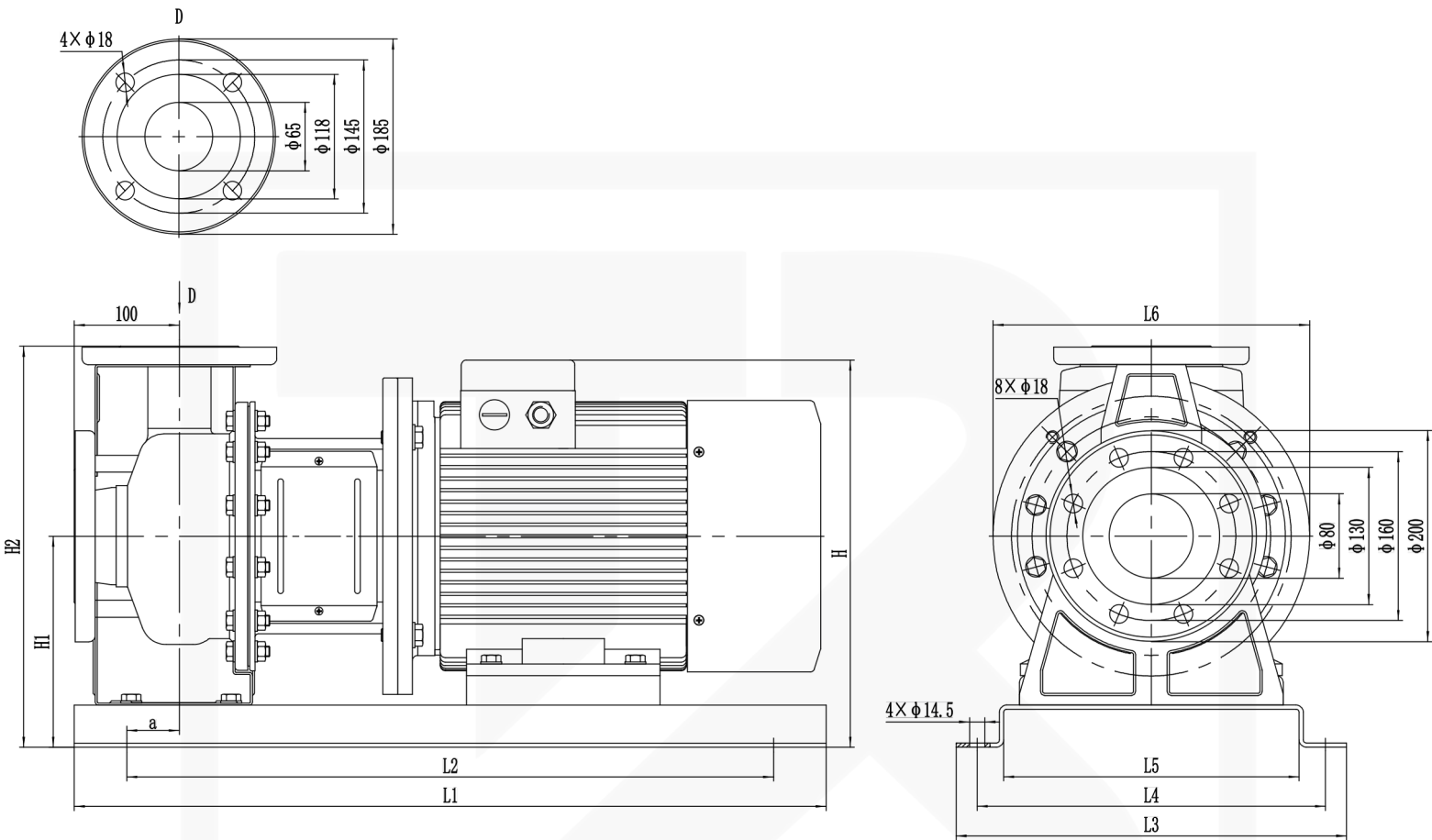
# NZS80-65-125

## 60Hz

Performance curves



Installation dimensions



Performance tables

| Model              | Motor |      | Q<br>(m³/h) | 40   | 50   | 60 | 70   | 80   | 90   | 100 | 110  | 120  | 130 |
|--------------------|-------|------|-------------|------|------|----|------|------|------|-----|------|------|-----|
|                    | (kW)  | (hp) |             |      |      |    |      |      |      |     |      |      |     |
| NZS80-65-125/6 5.5 | 5.5   | 7.5  | H<br>(m)    | 22   | 21   | 20 | 18.7 | 17.3 | 15.8 | 14  | 12.3 | 10.5 |     |
| NZS80-65-125/6 7.5 | 7.5   | 10   |             | 27   | 26   | 25 | 23.9 | 22.6 | 20.9 | 19  | 17.3 | 15.5 |     |
| NZS80-65-125/6 9.2 | 9.2   | 12.5 |             | 30.3 | 29.7 | 29 | 27.9 | 26.8 | 25.6 | 24  | 22.1 | 20   | 18  |

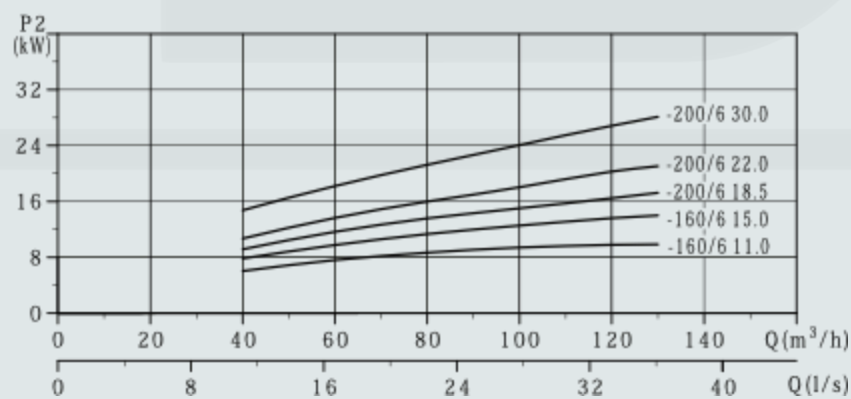
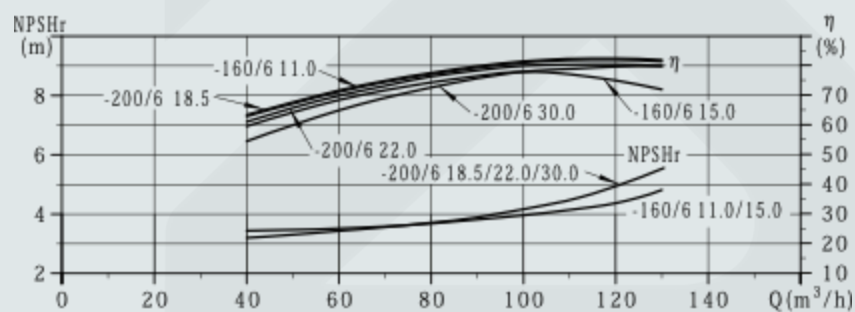
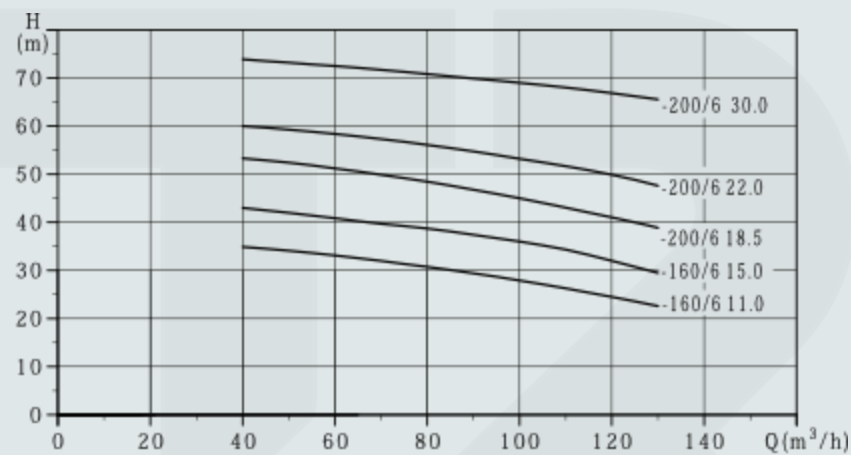
Dimensions and weight

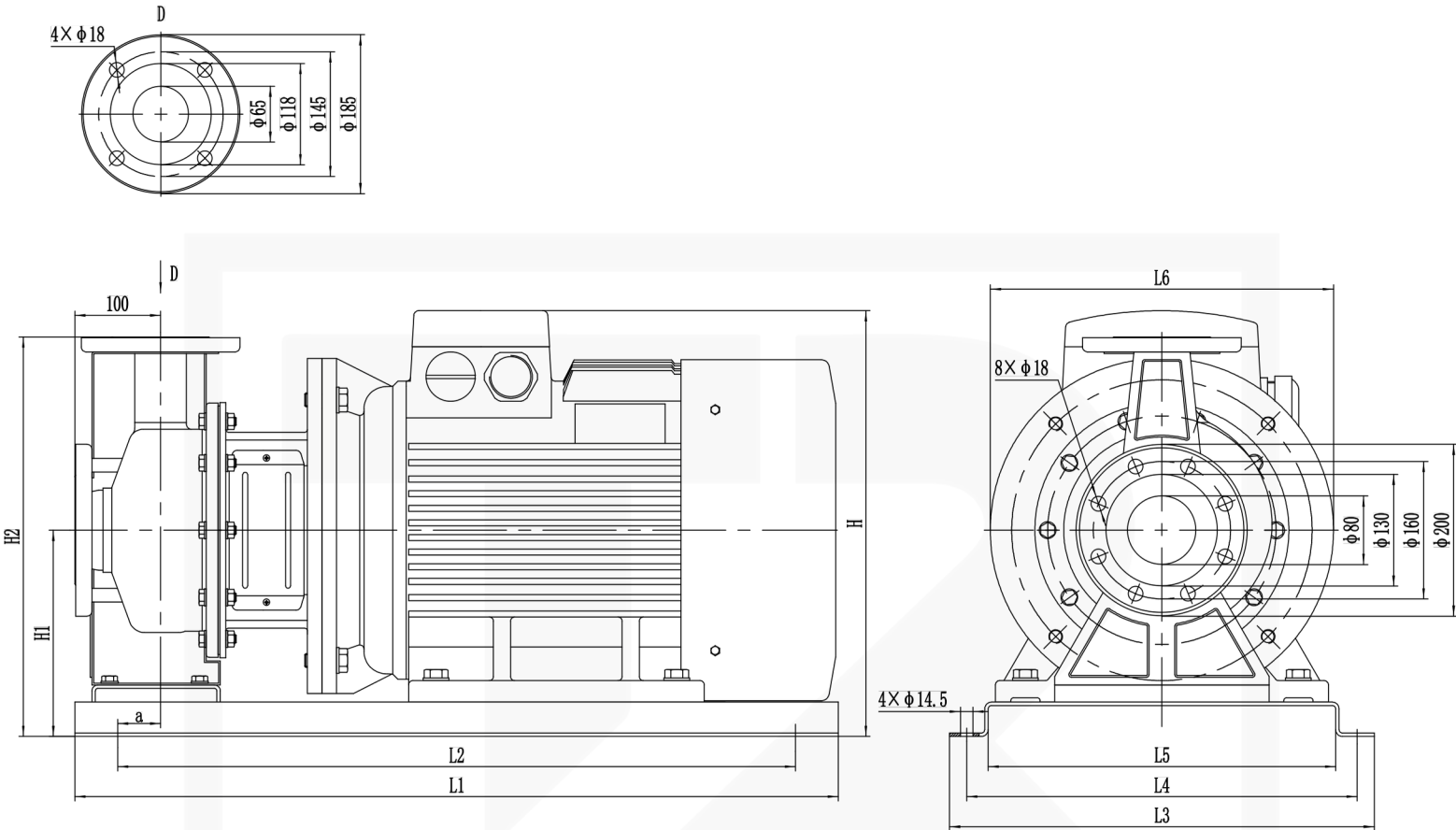
| Model              | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|--------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                    | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS80-65-125/6 5.5 | 50              | 413 | 200 | 380 | 690 | 590 | 370 | 330 | 280 | 300 | 79             |
| NZS80-65-125/6 7.5 | 50              | 413 | 200 | 380 | 690 | 590 | 370 | 330 | 280 | 300 | 83             |
| NZS80-65-125/6 9.2 | 50              | 413 | 200 | 380 | 690 | 590 | 370 | 330 | 280 | 300 | 87             |

# NZS80-65-160(200)

60Hz

Performance curves





Performance tables

| Model               | Motor |      | Q<br>(m³/h) | 40   | 50   | 60   | 70   | 80   | 90   | 100 | 110  | 120  | 130  |
|---------------------|-------|------|-------------|------|------|------|------|------|------|-----|------|------|------|
|                     | (kW)  | (hp) |             |      |      |      |      |      |      |     |      |      |      |
| NZS80-65-160/6 11.0 | 11    | 15   | H<br>(m)    | 34.9 | 34.1 | 33.1 | 32   | 30.7 | 29.4 | 28  | 26.4 | 24.6 | 22.7 |
| NZS80-65-160/6 15.0 | 15    | 20   |             | 43   | 42   | 40.9 | 39.7 | 38.7 | 37.4 | 36  | 34.3 | 32   | 29.5 |
| NZS80-65-200/6 18.5 | 18.5  | 25   |             | 53.3 | 52.4 | 51.2 | 49.9 | 48.4 | 46.8 | 45  | 43   | 41   | 38.9 |
| NZS80-65-200/6 22.0 | 22    | 30   |             | 60   | 59.3 | 58.4 | 57.3 | 56.1 | 54.7 | 53  | 51.7 | 49.9 | 47.6 |
| NZS80-65-200/6 30.0 | 30    | 40   |             | 73.9 | 73.2 | 72.5 | 71.7 | 70.8 | 69.9 | 69  | 68   | 66.8 | 65.6 |

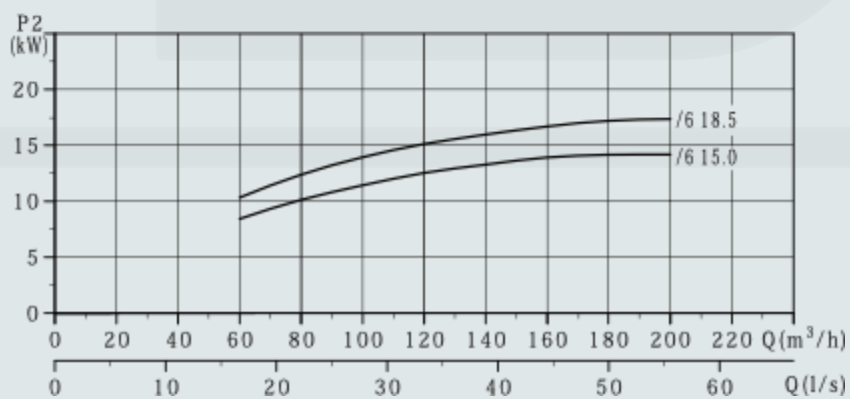
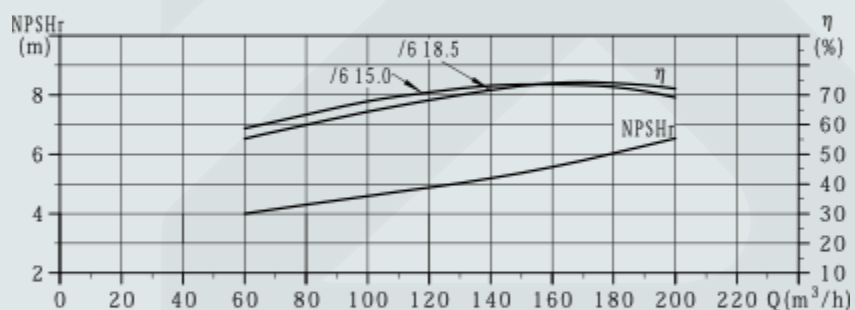
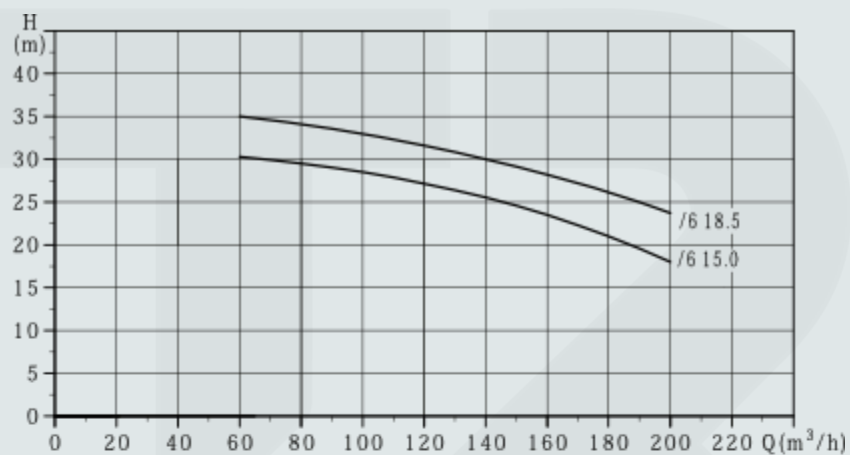
Dimensions and weight

| Model               | Dimensions (mm) |     |     |     |         |     |     |     |     | Weight (kg) |
|---------------------|-----------------|-----|-----|-----|---------|-----|-----|-----|-----|-------------|
|                     | a               | H   | H1  | H2  | L1L2    | L3  | L4  | L5  | L6  |             |
| NZS80-65-160/6 11.0 | 50              | 456 | 200 | 400 | 790 690 | 420 | 380 | 330 | 350 | 163         |
| NZS80-65-160/6 15.0 | 50              | 456 | 200 | 400 | 790 690 | 420 | 380 | 330 | 350 | 173         |
| NZS80-65-200/6 18.5 | 50              | 476 | 220 | 445 | 830 730 | 420 | 380 | 330 | 350 | 190         |
| NZS80-65-200/6 22.0 | 50              | 500 | 220 | 445 | 880 780 | 455 | 415 | 365 | 350 | 220         |
| NZS80-65-200/6 30.0 | 50              | 550 | 240 | 465 | 950 850 | 495 | 455 | 405 | 400 | 292         |

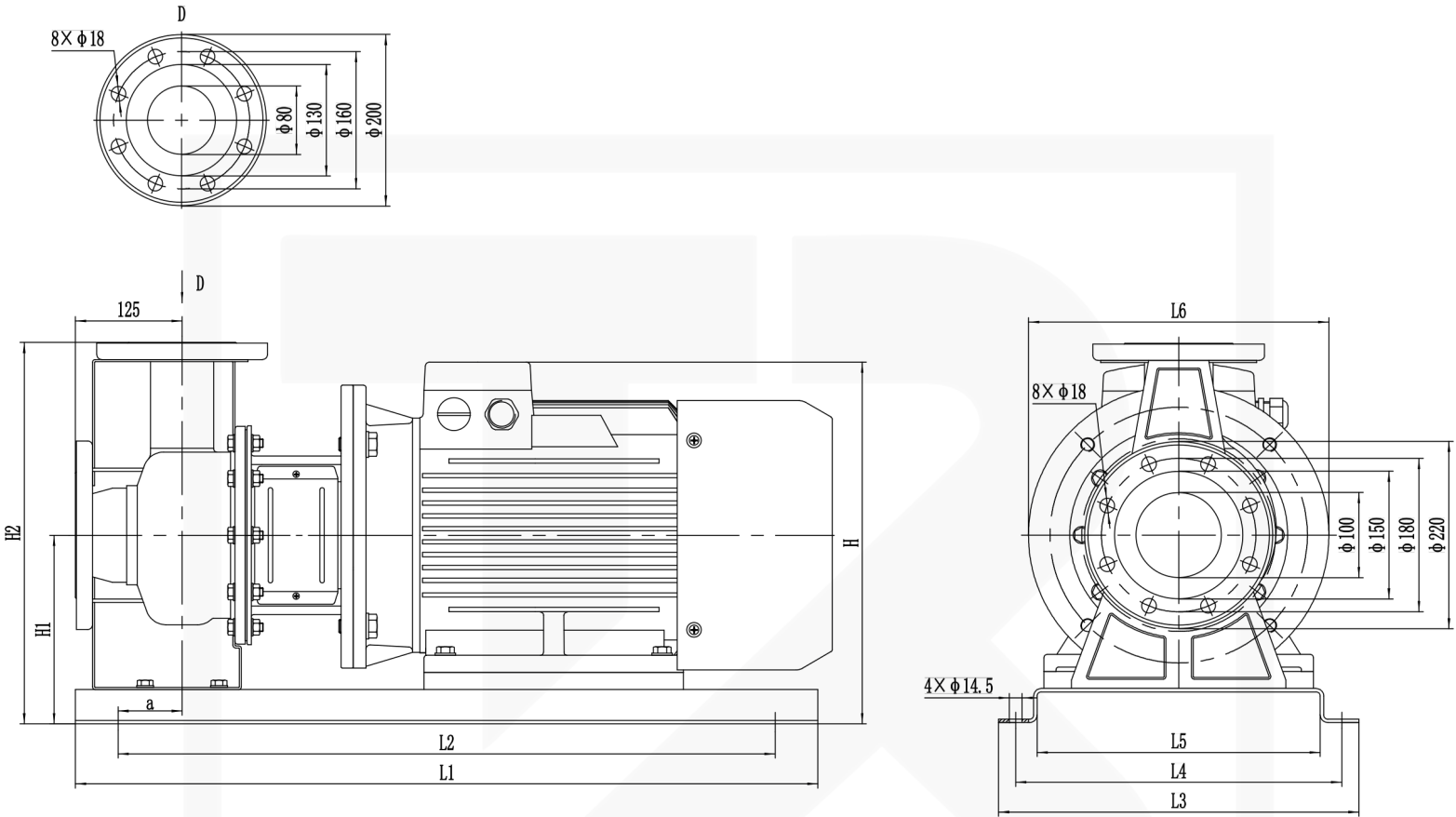
# NZS100-80-160

## 60Hz

Performance curves



Installation dimensions



Performance tables

| Model                | Motor |      | Q<br>(m³/h) | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  |
|----------------------|-------|------|-------------|------|------|------|------|------|------|------|------|
|                      | (kW)  | (hp) |             |      |      |      |      |      |      |      |      |
| NZS100-80-160/6 15.0 | 15    | 20   | H<br>(m)    | 30.3 | 29.5 | 28.5 | 27.2 | 25.5 | 23.5 | 21   | 18   |
| NZS100-80-160/6 18.5 | 18.5  | 25   |             | 35   | 34.1 | 33   | 31.6 | 30   | 28   | 26.2 | 23.7 |

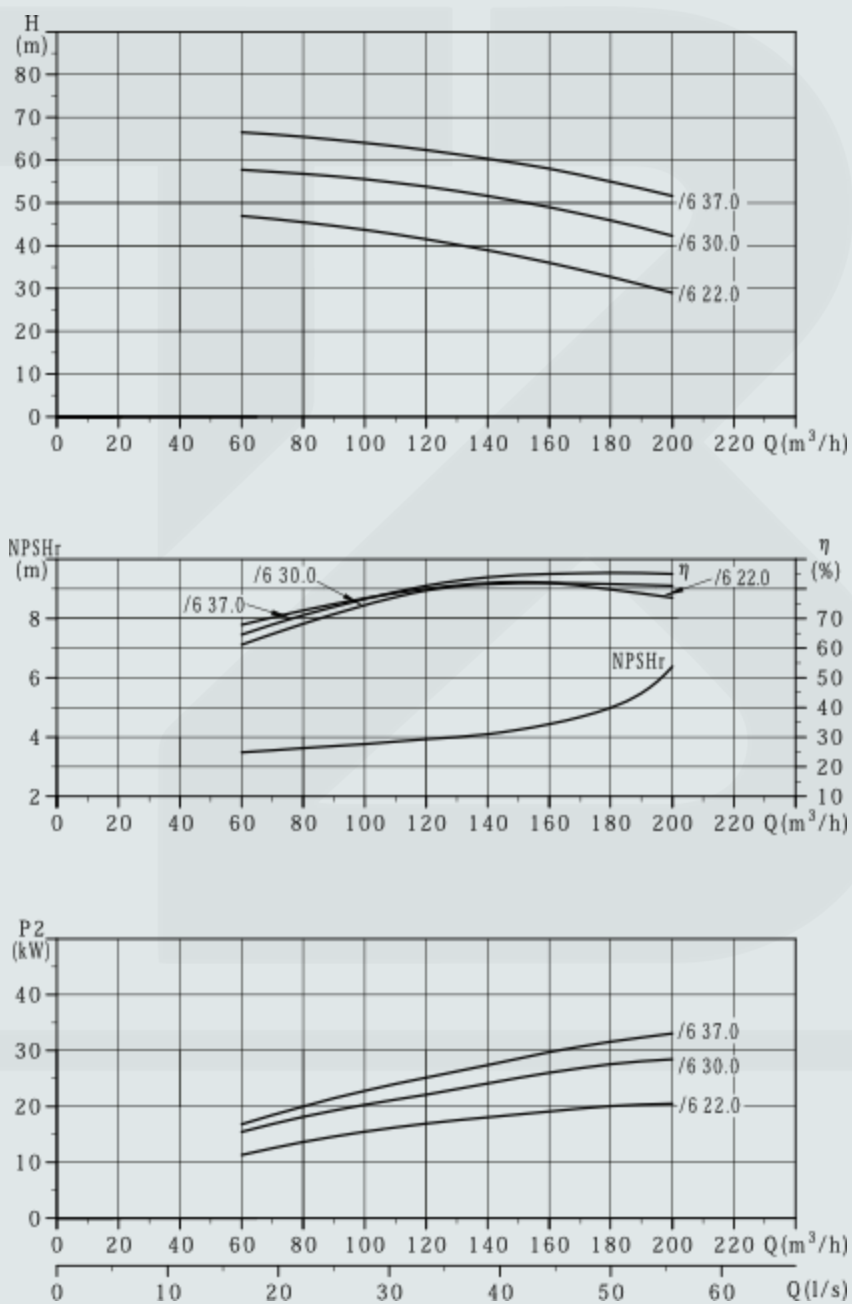
Dimensions and weight

| Model                | Dimensions (mm) |     |     |     |         |     |     |     |     | Weight (kg) |
|----------------------|-----------------|-----|-----|-----|---------|-----|-----|-----|-----|-------------|
|                      | a               | H   | H1  | H2  | L1L2    | L3  | L4  | L5  | L6  |             |
| NZS100-80-160/6 15.0 | 75              | 476 | 220 | 445 | 830 730 | 420 | 380 | 330 | 350 | 173         |
| NZS100-80-160/6 18.5 | 75              | 476 | 220 | 445 | 870 770 | 420 | 380 | 330 | 350 | 185         |

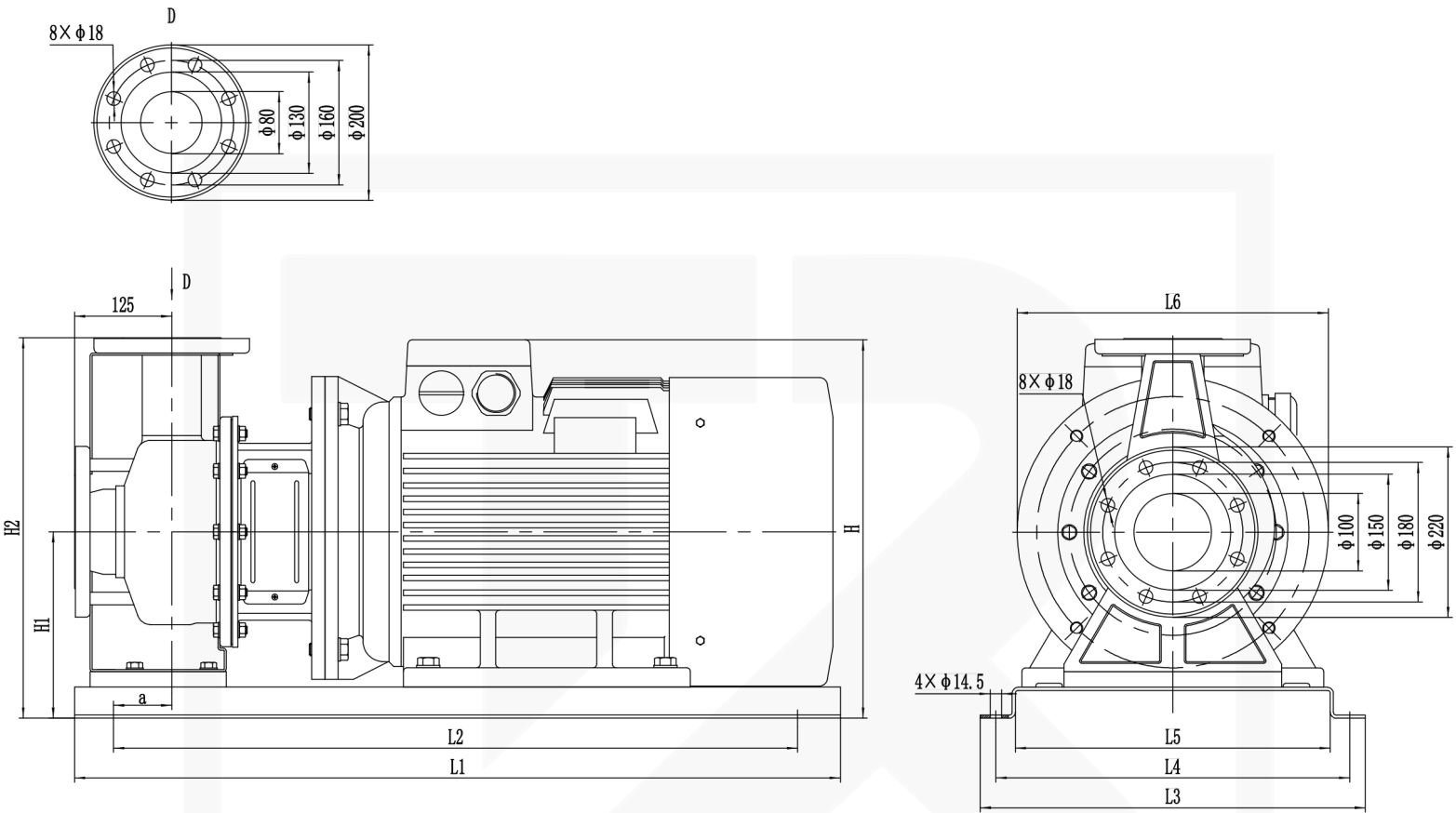
# NZS100-80-200

## 60Hz

Performance curves



Installation dimensions



Performance tables

| Model                | Motor |      | Q<br>(m³/h) | 60   | 80   | 100  | 120  | 140  | 160 | 180  | 200  |
|----------------------|-------|------|-------------|------|------|------|------|------|-----|------|------|
|                      | (kW)  | (hp) |             |      |      |      |      |      |     |      |      |
| NZS100-80-200/6 22.0 | 22    | 30   | H<br>(m)    | 47   | 45.5 | 43.7 | 41.5 | 38.9 | 36  | 32.7 | 29   |
| NZS100-80-200/6 30.0 | 30    | 40   |             | 57.8 | 56.8 | 55.5 | 53.8 | 51.6 | 49  | 45.9 | 42.3 |
| NZS100-80-200/6 37.0 | 37    | 50   |             | 66.5 | 65.4 | 64.1 | 62.4 | 60.3 | 58  | 55   | 51.6 |

Dimensions and weight

| Model                | Dimensions (mm) |     |     |     |     |     |     |     |     |     | Weight<br>(kg) |
|----------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
|                      | a               | H   | H1  | H2  | L1  | L2  | L3  | L4  | L5  | L6  |                |
| NZS100-80-200/6 22.0 | 75              | 500 | 220 | 470 | 915 | 810 | 455 | 415 | 365 | 350 | 223            |
| NZS100-80-200/6 30.0 | 75              | 550 | 240 | 490 | 985 | 880 | 495 | 455 | 405 | 400 | 295            |
| NZS100-80-200/6 37.0 | 75              | 550 | 240 | 490 | 985 | 880 | 495 | 455 | 405 | 400 | 315            |