# NISO/NIS/NISF **50Hz**



## Zhejiang Nanbeng Fluid Machinery Co., Ltd.

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# **End suction pump**

ZHEJIANG NANBENG FLUID MACHINERY CO., LTD.

# **Company Profile**



Zhejiang Nanbeng Fluid Machinery Co.,Ltd. is a leading pump manufacturer committed to the Chinese people's water safety to make our own contribution. The team who founded the company is the first generation research and development of stainless steel centrifugal pump in China, has accumulated more than 30 years of technology research and development experience, core members presided over and participated in the development of national standard of the "light, small multistage centrifugal pump", national science and technology support plans for the 11th, 12th and 13th five-years plan, "national torch project", "national key new product project" and other projects of research and development, design and production.R&D centre equipped with industry-leading CFD fluid 3D simulation design software, domestic top stamping equipment and automatic production line to ensure high performance and high stability of products, our comprehensive R & D and production strength achieve domestic advanced level.

The construction area of the company is 82,000 square meters, design output value is one billion per year. We can offer you a wide range of stainless steel stamping and welding centrifugal pump, pipeline circulation pump, end suction centrifugal pump, sewage submersible pump, high pressure pump, fire pump and water supply and drainage complete sets of products for many applications as highest performance in booster sets and pressurization, building services, water treatment, industry, irrigation and industrial process, fire-fighting sets, pumping of underground water, drainage and sewage, utilities and desalination. Now we are looking for more partners around the world, we sincerely looking forward to your joining at Huzhou China. Global water challenges as well as opportunities, require excellence in pumping technologies and close cooperation between pump designers and manufacturers. Let's cooperate and make our contribution to the water security for more people all over the world.

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## **Model definition**





#### **General Data**

```
- S:Three phase(\leq 3kW \ 220/380V, > 3kW \ 380V)
```

```
Impeller nominal diameter(mm)
Discharge diameter(mm)
• End suction pump(shaft extended structure)
```

```
S:Three phase(\leq 3kW \ 220/380V, > 3kW \ 380V)
```

```
Impeller nominal diameter(mm)
End suction pump(shaft extended structure)
```

#### **General Data**

#### **Model definition**



#### **Minimum inlet pressure NPSH**

In case that the pressure in pump is lower than the steam pressure used to convey liquid, the cavitations will occur. To avoid cavitation, a minimum pressure at the inlet side of the pump shall be guaranteed. The maximum suction can be calculated with the following formula: H=Pbx 10.2-NPSH-Hf-Hv-Hs H- -Maximum suction head(

Pb- Atmosphere pressure(bar)

In a closed system, Pb means system pressure(bar)

NPSH- -Net positive suction head(m) It can be read from the point of Max.flow rate shown onNPSH curve.

Hf- Pipeline loss at the inlet(m)

It is in accordance with the pipeline possible Max.flow.

Hv- Steam pressure(m)

It depends on liquid temperature and steam pressure value.

Hs- Safety margin(m)

Minimum 0. 5m delivery head.

If the calculated result H is positive ,the pump may run under the Max.suction head H.In case the calculated result H is negative, a delivery head of Min.inlet pressure is necessary.

NOTE: Normally, the above calculation will not be done.

H is calculated in the following conditions:

1. The liquid temperature is comparatively higher;

2.Liquid flow exceeds rated value;

3. Suction head is comparatively large or inlet pipeline long;

4.System pressure is too low;

5.Bad inlet condition.



#### **Applications**

•Clean, thin, non-corrosive, non-flammable or nonexplosive liquid without grain or fiber.

- •Water supply system
- •HVAC system
- •Booster and constant water supply system
- •Fire sprinkler system
- •Irrigation and farming
- •Industrial cooling and heat circulation system
- •Industrial transferring and drainage system

#### **Pump structure**

•Non-self-priming, single stage, single suction, horizontal axial suction and radical discharge, pump body is fixed by base.

- •Standard wear-resistant mechanical seal.
- •TEFC motor, size complies to IEC standard.

•NISO pump use bearing cradle, which can orientate bearing, prevent from axial vibration, improve the rigidity of rotary part.

•NISO pump integral pump shaft, use deep grove grease lubricated bearing.

•NISO pump use semi-flexible coupling to connect pump and motor.

•NISO pump dimension conforms to ISO2858 standard.

 $\bullet \text{NIS}, \text{NISF}$  series pump are coupled with extension shaft structure.

•Inlet and outlet flange and pump body of cast iron pump conform to standard of PN16 in GB/T17241.6 (ISO7005-2); Inlet and outlet flange and pump body of Stainless Steel pump conform to standard of PN16 in GB/T9113 (ISO7005-1).

#### Features

•Adopt Pull-back structure, avoid dismantling pump body and pipeline when repairing.

•All NISO pump only use 4 types of pump shafts and bearing cover, making many parts exchangeable.

•Designs of NIS,NISO,NISF series impellers are optimized, inlet is enlarged, no whirlpool, deduct water pump NPSH efficiently, which makes pump work stable with little noise. Performance curve is flat, flow range is wide, performance is similar with international pump industry peers.

•NIS\*G,NIS\*(Q) series pump are designed according to newest standard in GB/T5662, whose performance curve are steeper than NIS,NISO,NISF series. Flow range conforms to requirements, use excellent hydraulic model and CFD optimition, high efficiency, reasonable head spread, compact structure, easy maintenance.

•NIS,NISF pumps are small,compact and easy to install.

#### **General Data**

#### **Performance data**

- •Max flow rate: 1 600m<sup>3</sup>/h
- •Max head: 1 60m
- •Max working pressure: 1 60bar
- •Max inlet pressure: 6 bar
- •Max power: 2 00kW
- •Liqid temperature: 15°C-110°C
- •Inlet outlet diameter: Inlet diameter: DN50-DN350 Outlet diameter: DN32-DN300

#### **Curve conditions**

Following conditions are suitable for the performance curves shown above.

•Curve tolerance in conformity with IS09906:2012, Grade 3B.

All curves are based on the measured values of motor under the constant speed of 2900rpm, 1450rpm or 1480rpm;
Measurement is done with 20°C air-free water, without impurities, kinematic viscosity is 1mm²/s

•The operation of pump shall refer to the performance region indicated by the thickened curve to prevent overheating due to too small flow rate or overload of motor due to too large flow rate.

•If the thickness and density of the pumped liquid . is different from water ,the motor power should be adjusted.

#### **Working conditions**

#### Relative humidity of pump

• The pump is specifically designed for installation in noncorrosive and non-explosive environments with a relative humidity of no more than 95%.

Ambient humidity and altitude

•Ambient humidity and installation altitude are important factors influencing motor service life as they also affect the life of bearings and insulation systems.

 $\bullet The installation altitude is the height at which the$ 

installation location is above sea level. If the ambient

temperature exceeds the recommended maximum Value, or if the installation height exceeds the recommended maximum altitude, aircooling effect may be poor due to low density and the motor shall not be operated at full capacity. In this case, choose a motor with a higher output power.

#### **Motor parameter**

Standard motor

•TEFC motor, size complies to GB/28575 standard.

•50Hz,3P H; 2-pole and 4-pole motor for standard configuration.

# **General Data**

#### **Pipeline conditions**

•Pump casing must not subjected to pipe pressure when installing the pipe.

•The suction and drain pipes must be sized appropriately and the inlet pressure of the pump needs to be considered.

•Install the pipe to avoid air blockage, especially on the inlet side of the pump. See picture below.





•Install an isolation valve on each end of the pump so that the system does not have to be drained when cleaning or repairing the pump. . •Ensure that the pipe is sufficiently supported (inlet and outlet side) as close as possible to the pump. The butt flange should be attached to pump flange without being subjected to tensile stresses, as the presence of tensile stress can damage the pump.



#### NIS,NISF\*G,NIS/NISF\*(Q) Performance range





#### **General Data**

# **General Data**

#### NISO, NIS, NISF Performance range



# **NIS, NISF Sectional drawing**



#### **NIS, NISF Parts list**

SN	Name	Material	Grade/AISI/ASTM						
1	Casing	Cast iron QT500-7/ZG07Cr19Ni9	ASTM80-55-06/AISI304						
2	Impeller	Cast iron HT200/ZG07Cr19Ni9	ASTM25B/AISI304						
3	Cover	Cast iron HT200/ZG07Cr19Ni9	ASTM25B/AISI304						
4	Mechanical seal	Carbon/Sic							
5	O ring	NBR							
6	Shaft	Stainless steel 20Cr13/06Cr19Ni10	AISI420/AISI304						
7	Pump head	Cast iron HT200	ASTM25B						
8	Base	Q235-A	ASTM25B						
9	Motor								

# **General Data**

# **NISO Sectional drawing**



# **NISO Parts list**

SN	Name	Material	Grade/AISI/ASTM					
1	Casing	Cast iron QT500-7/ZG07Cr19Ni9	ASTM80-55-06/AISI304					
2	Impeller	Cast iron HT200/ZG07Cr19Ni9	ASTM25B/AISI304					
3	Cover	Cast iron HT200/ZG07Cr19Ni9	ASTM25B/AISI304					
4	Mechanical seal	Carbon/Sic						
5	O ring	NBR						
6	Shaft	Stainless steel 20Cr13/06Cr19Ni10	AISI420/AISI304					
7	Bearing housing	Cast iron HT200	ASTM25B					
8	Bearing cover	Cast iron HT200	ASTM25B					
9	Oil seal	NBR						

# NIS/NISF\*G,NIS/NISF\*(Q) Product range

SN	Model	Q [m³/h]	H [m]	Flow range [m <sup>3</sup> /h]	Total Weight(kg)	n [r/min]	
1	100-65-200G/18.5		42		18.5		
2	100-65-200G/22		51		22	-	
3	100-65-200G/30		67		30		
4	100-65-200G/37		80		37		
5	100-65-250G/45		103	-	45	-	
6	100-65-250G/55	100	116	40~120	55		
7	100-65-315G/75		140	-	75	-	
8	100-65-315G/90		160		90		
9	100-80-160G/11		26		11	2950	
10	100-80-160G/15		36		15		
11	100-80-160G/18.5		44		18.5		
12	125-100-200(Q)/30	1.00	43	(0. 200	30		
13	125-100-200(Q)/37	160	52	60~200	37		
14	125-100-200G/30		35		30	-	
15	125-100-200G/37		45		37	-	
16	125-100-200G/45		54		45		
17	125-100-200G/55		68		55		
18	125-100-200G/75	200	74	80.240	75		
19	125-100-250G/75	200	86	80~240	75		
20	125-100-250G/90		102		90		
21	125-100-315G/110		128		110		
22	125-100-315G/132		150		132		
23	125-100-315G/160		160		160		

# Technical data

# NIS/NISF\*G,NIS/NISF\*(Q) Product range

# NIS/NISF\*G,NIS/NISF\*(Q) Product range

SN         Model $\begin{bmatrix} Q\\ [m]/h \end{bmatrix}$ $\begin{bmatrix} H\\ [m] \end{bmatrix}$ Flow range $[m/h]$ Total Weight(kg) $\begin{bmatrix} n\\ [r/min] \end{bmatrix}$ 1         100-65-200G/3         13         13         13         13         14         100-65-200G/4         14         17.5         24         3         100-65-200G/5.5         24         5.5         100-65-250G/7.5         24         20-60         11         1450         1450           5         100-65-315G/11         5         100-65-315G/15         40         15         11         1480           6         100-65-315G/15         7         100         15         1480         15         1480           7         100-80-160G/2.2         10         15         1.5         14         125-100-200G/7.5         13         13         1450           10         125-100-200G/7.5         13         13         5.5         14         15         140         15         140         15         140         15         140         15         1480         1480         1480         1480         1480         1480         1480         1480         1480         1480         1480         1480         1480         1480         1480         1480<	Poles
$ \begin{array}{ c c c c c } \hline 1 & 100-65-200 {G}/3 \\ \hline 2 & 100-65-200 {G}/4 \\ \hline 3 & 100-65-250 {G}/5.5 \\ \hline 4 & 100-65-250 {G}/5.5 \\ \hline 4 & 100-65-250 {G}/7.5 \\ \hline 5 & 100-65-315 {G}/11 \\ \hline 6 & 100-65-315 {G}/15 \\ \hline 7 & 100-80-160 {G}/1.5 \\ \hline 7 & 100-80-160 {G}/2.2 \\ \hline 7 & 100-80-160 {G}/2.2 \\ \hline 9 & 125-100-200 {G}/4 \\ \hline 9 & 125-100-200 {G}/5.5 \\\hline 11 & 125-100-200 {G}/5.5 \\\hline 12 & 125-100-200 {G}/5.5 \\\hline 11 & 125-100-200 {G}/5.5 \\\hline 12 & 125-100-200 {G}/1.5 \\\hline 14 & 125-100-315 {G}/15 \\\hline 14 & 125-100-315 {G}/15 \\\hline 15 & 125-100-400 {G}/30 \\\hline 16 & 125-100-400 {G}/37 \\ \hline \end{array} $	
$ \begin{array}{ c c c c c c } \hline 2 & 100-65-200{\rm G}/4 & \\ \hline 3 & 100-65-250{\rm G}/5.5 & \\ \hline 4 & 100-65-250{\rm G}/7.5 & \\ \hline 5 & 100-65-315{\rm G}/11 & \\ \hline 5 & 100-65-315{\rm G}/15 & \\ \hline 6 & 100-65-315{\rm G}/15 & \\ \hline 7 & 100-80-160{\rm G}/2.2 & \\ \hline 7 & 100-80-160{\rm G}/2.2 & \\ \hline 10 & & \\ \hline 7 & 100-80-160{\rm G}/2.2 & \\ \hline 10 & & \\ \hline 12 & 125-100-200{\rm G}/4 & \\ \hline 12 & 125-100-200{\rm G}/7.5 & \\ \hline 11 & 125-100-200{\rm G}/7.5 & \\ \hline 12 & 125-100-200{\rm G}/7.5 & \\ \hline 11 & 125-100-200{\rm G}/7.5 & \\ \hline 12 & 125-100-315{\rm G}/15 & \\ \hline 14 & 125-100-315{\rm G}/15 & \\ \hline 14 & 125-100-315{\rm G}/18.5 & \\ \hline 16 & 125-100-400{\rm G}/30 & \\ \hline \end{array} \right) \\ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	
$ \begin{array}{ c c c c c c } \hline 3 & 100-65-250G/5.5 \\ \hline 4 & 100-65-250G/7.5 \\ \hline 5 & 100-65-315G/11 \\\hline 6 & 100-65-315G/15 \\\hline 7 & 100-80-160G/1.5 \\\hline 7 & 100-80-160G/1.5 \\\hline 7 & 100-80-160G/2.2 \\\hline 10 & 125-100-200G/4 \\\hline 9 & 125-100-200G/4 \\\hline 9 & 125-100-200G/5.5 \\\hline 11 & 125-100-200G/7.5 \\\hline 12 & 125-100-200G/7.5 \\\hline 12 & 125-100-315G/15 \\\hline 14 & 125-100-315G/15 \\\hline 15 & 125-100-400G/30 \\\hline 16 & 125-100-400G/37 \\\hline \end{array} \begin{array}{ c c c c c c c c c c c c c c c c c c c$	
$ \begin{array}{ c c c c c c } \hline 4 & 100-65-250 {\rm G} /7.5 \\ \hline 5 & 100-65-315 {\rm G} /11 \\ \hline 6 & 100-65-315 {\rm G} /15 \\\hline 7 & 100-80-160 {\rm G} /1.5 \\\hline 7 & 100-80-160 {\rm G} /2.2 \\\hline 9 & 125-100-200 {\rm G} /4 \\\hline 125-100-200 {\rm G} /5.5 \\\hline 11 & 125-100-200 {\rm G} /5.5 \\\hline 12 & 125-100-250 {\rm G} /11 \\\hline 125-100-250 {\rm G} /11 \\\hline 125-100-250 {\rm G} /11 \\\hline 125-100-315 {\rm G} /15 \\\hline 14 & 125-100-315 {\rm G} /15 \\\hline 15 & 125-100-400 {\rm G} /30 \\\hline 16 & 125-100-400 {\rm G} /37 \\\hline \end{array} $	
$ \begin{array}{ c c c c c c c } \hline{5} & 100-65-315 {\rm G}/11 \\ \hline{6} & 100-65-315 {\rm G}/15 \\ \hline{7} & 100-80-160 {\rm G}/1.5 \\ \hline{7} & 100-80-160 {\rm G}/2.2 \\ \hline{7} & 100-80-160 {\rm G}/2.2 \\ \hline{9} & 125-100-200 {\rm G}/4 \\ \hline{10} & 125-100-200 {\rm G}/5.5 \\ \hline{11} & 125-100-200 {\rm G}/7.5 \\ \hline{12} & 125-100-200 {\rm G}/7.5 \\ \hline{13} & 125-100-200 {\rm G}/7.5 \\ \hline{14} & 125-100-315 {\rm G}/15 \\ \hline{15} & 125-100-315 {\rm G}/18.5 \\ \hline{16} & 125-100-400 {\rm G}/37 \\ \hline{16} & 125-100-400 {\rm G}/37 \\ \hline \end{array} $	
$ \begin{array}{ c c c c c c c c } \hline 6 & 100-65-315 \text{G}/15 & \\ \hline 7 & 100-80-160 \text{G}/1.5 & \\\hline 7 & 100-80-160 \text{G}/2.2 & \\\hline 10 & & & & & \\\hline 12 & 100-80-160 \text{G}/2.2 & \\\hline 10 & & & & & \\\hline 10 & 125-100-200 \text{G}/4 & \\\hline 125-100-200 \text{G}/5.5 & \\\hline 11 & 125-100-200 \text{G}/5.5 & \\\hline 12 & 125-100-250 \text{G}/11 & \\\hline 125 & 100-250 \text{G}/11 & \\\hline 13 & 125-100-315 \text{G}/15 & \\\hline 14 & 125-100-315 \text{G}/18.5 & \\\hline 15 & 125-100-400 \text{G}/30 & \\\hline 16 & 125-100-400 \text{G}/37 & \hline 68 & & & & & \\\hline \end{array} $	
$ \begin{array}{ c c c c c c c } \hline 7 & 100-80-160 \text{G}/1.5 & \hline 7 & 1.5 \\ \hline 8 & 100-80-160 \text{G}/2.2 & 10 & 2.2 \\ \hline 9 & 125-100-200 \text{G}/4 & 9.5 & 4 & 1450 \\ \hline 10 & 125-100-200 \text{G}/5.5 & 13 & 5.5 & \\ \hline 11 & 125-100-200 \text{G}/7.5 & 18 & 7.5 & \\ \hline 12 & 125-100-250 \text{G}/11 & 25 & 11 & \\ \hline 13 & 125-100-315 \text{G}/15 & 100 & 33 & 40-120 & 15 & \\ \hline 14 & 125-100-315 \text{G}/18.5 & 40 & 18.5 & \\ \hline 15 & 125-100-400 \text{G}/30 & 55 & 30 & \\ \hline 16 & 125-100-400 \text{G}/37 & 68 & 37 & \\ \end{array} $	
$ \begin{array}{ c c c c c c } \hline 8 & 100-80-160G/2.2 & 10 & 2.2 \\ \hline 9 & 125-100-200G/4 & 9.5 & 4 & 1450 \\ \hline 10 & 125-100-200G/5.5 & 13 & 5.5 & \\ \hline 11 & 125-100-200G/7.5 & 18 & 7.5 & \\ \hline 12 & 125-100-250G/11 & 25 & 11 & \\ \hline 13 & 125-100-315G/15 & 100 & 33 & 40~120 & 15 & \\ \hline 14 & 125-100-315G/18.5 & 40 & 18.5 & \\ \hline 15 & 125-100-400G/30 & 55 & 30 & \\ \hline 16 & 125-100-400G/37 & 68 & 37 & \\ \hline \end{array} $	
$ \begin{array}{ c c c c c c c } \hline 9 & 125-100-200 \text{G}/4 & & & & & & & & & & & & & & & & & & &$	
10       125-100-200G/5.5         11       125-100-200G/7.5         12       125-100-250G/11         13       125-100-315G/15         14       125-100-315G/18.5         15       125-100-400G/30         16       125-100-400G/37	
11       125-100-200G/7.5         12       125-100-250G/11         13       125-100-315G/15         14       125-100-315G/18.5         15       125-100-400G/30         16       125-100-400G/37	
12     125-100-250G/11       13     125-100-315G/15       14     125-100-315G/18.5       15     125-100-400G/30       16     125-100-400G/37         16     125-100-400G/37         10     25       11     33       100     33       100     33       100     33       100     10       100     33       100     10       100     10       100     10       100     10       100     10       100     10       100     10       110     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1100     10       1110     10	
13     125-100-315G/15     100     33     40~120     15       14     125-100-315G/18.5     40     18.5       15     125-100-400G/30     55     30       16     125-100-400G/37     68     37	
14         125-100-315G/18.5         40         18.5         1480           15         125-100-400G/30         55         30         30         1480           16         125-100-400G/37         68         37         37         36         37         37         37         36         37 <t< td=""><td></td></t<>	
15         125-100-400G/30         55         30         1480           16         125-100-400G/37         68         37         37	
16 125-100-400G/37 68 37	
17 125-100-400G/45 72 45	
18 150-125-200(Q)/5.5 8.5 5.5	
19 150-125-200(Q)/7.5 160 12 60~200 7.5	
20 150-125-200(Q)/11 16 11 1480	
21 150-125-200G/5.5 7 5.5	
22 150-125-200G/7.5 10 7.5	
23 150-125-200G/11 14 11 11	
24 150-125-250G/15 18 15 15	
25 150-125-250G/18.5 23 18.5	
26 150-125-250G/22 27 22	

SN	Model	Q [m³/h]	H [m]	Flow range [m <sup>3</sup> /h]	Total Weight(kg)	n [r/min]
27	150-125-315(Q)/22	160	32	60. 200	22	
28	150-125-315(Q)/30	100	43	60~200	30	
29	150-125-315G/30	200	36	80.240	30	
30	150-125-315G/37	200	42	80~240	37	
31	150-125-400(Q)/37	160	50	60~200	37	
32	150-125-400G/45		54		45	
33	150-125-400G/55	200	64	80~240	55	
34	150-125-400G/75		71	-	75	
35	200-150-250(Q)/11		9.5		11	
36	200-150-250(Q)/15	200	12.5	120.2(0	15	
37	200-150-250(Q)/18.5	500	16	120-500	18.5	1480
38	200-150-250(Q)/22		20		22	1480
39	200-150-250G/15		9		15	
40	200-150-250G/18.5		12		18.5	
41	200-150-250G/22		15.5		22	
42	200-150-250G/30		20		30	
43	200-150-315G/37	400	24	160 480	37	
44	200-150-315G/45	400	29	100~480	45	
45	200-150-315G/55		36		55	
46	200-150-400G/75		47		75	
47	200-150-400G/90		56		90	
48	200-150-400G/110		63		110	

# Technical data

#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



#### **Technical data**

#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



#### **Technical data**

#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



# NIS/NISF\*G,NIS/NISF\*(Q) Dimension drawing



# NIS/NISF\*G,NIS/NISF\*(Q) Dimension table

																2 Poles
Model	Power (kW)	Н	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total Weight(kg)
	18.5	520	485	260	390	400	420	660	130	18	63.5	865	100	100	65	222
100-65-200G	22	535	485	260	430	400	460	700	150	18	81.5	895	100	100	65	257
	30	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	318
	37	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	337
100 65 250(2	45	640	555	305	520	500	560	820	160	22	76.5	1042	125	100	65	426
100-65-250G	55	715	600	350	585	550	625	950	200	22	116.5	1156	125	100	65	529
100-65-315G	75	780	660	380	630	600	670	1000	200	22	114	1245	125	100	65	693
	90	780	660	380	630	600	670	1100	250	22	164	1295	125	100	65	730
	11	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	177
100-80-160G	15	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	187
	18.5	515	440	240	390	400	420	660	130	18	61.5	865	100	100	80	207
125 100 200(0)	30	585	560	280	465	500	495	800	150	18	69	992	125	125	100	349
123-100-200(Q)	37	585	560	280	465	500	495	800	150	18	69	992	125	125	100	368
	30	585	560	280	465	500	495	800	150	18	69	992	125	125	100	349
	37	585	560	280	465	500	495	800	150	18	69	992	125	125	100	368
125-100-200G	45	640	585	305	520	500	560	820	160	22	76.5	1042	125	125	100	431
	55	715	630	350	585	550	625	950	200	22	116.5	1156	125	125	100	534
	75	780	660	380	630	600	670	1000	200	22	114	1231	125	125	100	678

# NIS/NISF\*G,NIS/NISF\*(Q) Dimension table

Model	Power (kW)	Н	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total Weight(kg)
125-100-250G	75	780	660	380	630	600	670	1000	200	22	114	1265	140	125	100	701
	90	780	660	380	630	600	670	1100	250	22	164	1315	140	125	100	738
125-100-315G	110	945	730	415	720	600	760	1100	250	22	164	1545	140	125	100	1170
	132	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1230
	160	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1350

Model	Power (kW)	Н	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total Weight(kg)
100.65.2000	3	430	485	260	386	300	416	500	100	14	35	646	100	100	65	109
100-05-2000	4	448	485	260	386	300	416	500	100	14	35	641	100	100	65	114
100 65 250G	5.5	493	530	280	430	350	460	550	100	14	20	639	125	100	65	147
100-05-2500	7.5	493	530	280	430	350	460	550	100	18	20	717	125	100	65	166
100 65 315G	11	565	585	305	470	400	500	700	150	18	70	854	125	100	65	249
100-05-5150	15	565	585	305	470	400	500	700	150	18	70	909	125	100	65	270
100 80 1600	1.5	400	440	240	350	250	380	410	105	14	40	581	100	100	80	76
100-80-1000	2.2	410	440	240	350	300	380	500	100	14	35	646	100	100	80	87
	4	468	560	280	430	300	460	500	100	14	20	666	125	125	100	136
125-100-200G	5.5	493	560	280	430	350	460	550	100	18	20	639	125	125	100	152
	7.5	493	560	280	430	350	460	550	100	18	20	717	125	125	100	171
125-100-250G	11	565	585	305	470	400	500	700	150	18	70	924	140	125	100	258
125 100 2150	15	590	645	330	470	400	500	700	150	18	69	869	140	125	100	281
125-100-315G	18.5	605	645	330	470	450	500	750	150	18	69	954	140	125	100	317
	30	665	715	360	580	500	620	800	150	22	50	1028	140	125	100	444
125-100-400G	37	715	735	380	585	550	625	950	200	22	100	1071	140	125	100	523
	45	715	735	380	585	550	625	950	200	22	100	1101	140	125	100	552
	5.5	543	630	330	470	350	500	570	100	18	20	673	140	150	125	168
150-125-200(Q)	7.5	543	630	330	470	350	500	570	100	18	20	751	140	150	125	180
	11	590	630	330	470	400	500	700	150	18	69	869	140	150	125	235
	5.5	543	630	330	470	350	500	570	100	18	20	673	140	150	125	168
150-125-200G	7.5	543	630	330	470	350	500	570	100	18	20	751	140	150	125	180
	11	590	630	330	470	400	500	700	150	18	69	869	140	150	125	235
	15	590	685	330	470	400	500	700	150	18	69	924	140	150	125	284
150-125-250G	18.5	605	685	330	470	450	500	750	150	18	69	954	140	150	125	315
	22	605	685	330	470	450	500	750	150	18	69	994	140	150	125	333

# Technical data

4 Poles

# NIS/NISF\*G,NIS/NISF\*(Q) Dimension table

Model	Power (kW)	Н	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total Weight(kg)
150 125 315(0)	22	635	715	360	580	500	620	800	150	22	50	994	140	150	125	400
150-125-515(Q)	30	665	715	360	580	500	620	800	150	22	50	1028	140	150	125	430
150 125 2150	30	665	715	360	580	500	620	800	150	22	50	1028	140	150	125	430
150-125-5150	37	715	735	380	585	550	625	950	200	22	100	1071	140	150	125	507
150-125-400(Q)	37	750	815	415	585	550	625	950	200	22	100	1071	140	150	125	521
	45	750	815	415	585	550	625	950	200	22	100	1103	140	150	125	561
150-125-400G	55	780	815	415	585	550	625	950	200	22	100	1187	140	150	125	620
	75	815	815	415	630	600	670	1000	200	22	100	1262	140	150	125	776
	11	620	735	360	580	500	620	800	150	22	50	901	160	200	150	273
200 150 250(0)	15	620	735	360	580	500	620	800	150	22	50	956	160	200	150	299
200-130-230(Q)	18.5	635	735	360	580	500	620	800	150	22	50	988	160	200	150	337
	22	635	735	360	580	500	620	800	150	22	50	1026	160	200	150	360
	15	620	735	360	580	500	620	800	150	22	50	956	160	200	150	299
200,150,2500	18.5	635	735	360	580	500	620	800	150	22	50	988	160	200	150	337
200-150-250G	22	635	735	360	580	500	620	800	150	22	50	1026	160	200	150	360
	30	665	735	360	580	500	620	800	150	22	50	1048	160	200	150	426
	37	750	815	415	605	500	670	900	200	22	100	1116	160	200	150	541
200-150-315G	45	750	815	415	605	500	645	900	200	22	100	1146	160	200	150	579
	55	780	815	415	605	600	645	1000	200	22	100	1254	160	200	150	650
	75	815	865	415	630	600	675	1100	250	22	150	1329	160	200	150	859
200-150-400G	90	815	865	415	630	600	675	1100	250	22	150	1379	160	200	150	956
	110	945	865	415	720	700	760	1220	260	22	160	1614	160	200	150	1325

# NIS/NISF\*G,NIS/NISF\*(Q) Flange



NIS/N	NIS/NISF*G,NIS/NISF*(Q) Flange													
DN	D1 D2 D3 n d													
65	122	145	185	4	18									
80	133	160	200	8	18									
100	158	180	220	8	18									
125	184	210	250	8	18									
150	212	240	285	8	22									
200	268	295	340	12	22									

4 Poles

# NISO,NIS,NISF Product range

SN	Model	Q [m <sup>3</sup> /h]
1	50-32-160/3	
2	50-32-160/4	
3	50-32-160/5.5	12.5
4	50-32-200/7.5	
5	50-32-200/11	
6	65-40-200/7.5	
7	65-40-200/11	
8	65-40-200/15	
9	65-40-250/18.5	
10	65-40-250/22	
11	65-40-250/30	
12	65-40-315/22	25
13	65-40-315/30	
14	65-40-315/37	
15	65-40-315/45	
16	65-50-160/4	
17	65-50-160/5.5	
18	65-50-160/7.5	
19	80-50-200/11	
20	80-50-200/15	
21	80-50-200/18.5	
22	80-50-200/22	
23	80-50-250/30	50
24	80-50-250/37	50
25	80-50-315/37	
26	80-50-315/45	
27	80-50-315/55	
28	80-50-315/75	

2 I	Poles
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H [m]	Power [kW]	n [r/min]
28	3	
36	4	2000
44	5.5	2900
55	7.5	
74	11	2950
48	7.5	2900
62	11	
72	15	
84	18.5	
95	22	
105	30	2950
105	22	
120	30	
145	37	
165	45	
28	4	
36	5.5	2900
42	7.5	
44	11	
57	15	
64	18.5	
71	22	
84	30	2050
100	37	2730
105	37	
125	45	
140	55	
152	75	

# NISO,NIS,NISF Product range

# NISO,NIS,NISF Product range

SN	Model	Q [m³/h]	H [m]	Power [kW]	n [r/min]
29	80-65-160/5.5		22	5.5	2000
30	80-65-160/7.5	50	29	7.5	2900
31	80-65-160/11	50	38	11	
32	80-65-160/15	-	44	15	
33	100-65-200/18.5		36	18.5	
34	100-65-200/22	-	43	22	
35	100-65-200/30		56	30	
36	100-65-200/37		67	37	-
37	100-65-250/45	-	80	45	
38	100-65-250/55		88	55	
39	100-65-250/75	100	108	75	
40	100-65-315/90		128	90	
41	100-65-315/110	_	148	110	-
42	100-80-160/11		23	11	
43	100-80-160/15	-	30	15	
44	100-80-160/18.5	-	35	18.5	2950
45	100-80-160/22	-	40	22	-
46	125-100-200/30		34	30	
47	125-100-200/37		41	37	-
48	125-100-200/45	-	48	45	
49	125-100-200/55		55	55	-
50	125-100-200/75	-	66	75	
51	125-100-250/75		75	75	
52	125-100-250/90	200	86	90	
53	125-100-250/110	-	100	110	
54	125-100-315/90		93	90	
55	125-100-315/110		108	110	
56	125-100-315/132		124	132	
57	125-100-315/160		144	160	

SN	Model	Q [m³/h]	H [m]	Power [kW]	n [r/min]
1	50-32-160/0.55		8.5	0.55	
2	50-32-160/0.75		11	0.75	•
3	50-32-200/1.1	0.3	14	1.1	-
4	50-32-200/1.5		18	1.5	-
5	65-40-200/1.1		12	1.1	-
6	65-40-200/1.5		15	1.5	
7	65-40-200/2.2		17.5	2.2	-
8	65-40-250/3		25	3	
9	65-40-315/4	12.5	34	4	•
10	65-40-315/5.5		40	5.5	
11	65-50-160/0.55		7	0.55	
12	65-50-160/0.75		9	0.75	-
13	65-50-160/1.1	-	10.5	1.1	-
14	80-50-200/1.5		11	1.5	1450
15	80-50-200/2.2	-	15	2.2	1450
16	80-50-200/3		17.5	3	
17	80-50-250/4		21	4	-
18	80-50-250/5.5	25	25	5.5	
19	80-50-315/5.5	23	30	5.5	
20	80-50-315/7.5		37	7.5	
21	80-65-160/0.75		6	0.75	
22	80-65-160/1.1	-	8	1.1	-
23	80-65-160/1.5		10.5	1.5	-
24	100-65-200/3		11.5	3	-
25	100-65-200/4		14	4	
26	100-65-200/5.5	50	16	5.5	
27	100-65-250/5.5	30	20	5.5	
28	100-65-250/7.5		25	7.5	
29	100-65-315/11		32	11	1480

# Technical data

# NISO,NIS,NISF Product range

					4 Poles
SN	Model	Q [m³/h]	H [m]	Power [kW]	n [r/min]
30	100-65-315/15		40	15	1480
31	100-80-160/1.5		6.5	1.5	
32	100-80-160/2.2		9	2.2	1450
33	100-80-160/3		10.5	3	-
34	125-80-400/15	50	39	15	
35	125-80-400/18.5		45	18.5	-
36	125-80-400/22		50	22	1480
37	125-80-400/30		60	30	-
38	125-80-400/37		67	37	-
39	125-100-200/4		9	4	
40	125-100-200/5.5		11.5	5.5	1450
41	125-100-200/7.5		14	7.5	
42	125-100-200/11		16.5	11	
43	125-100-250/15		25	15	
44	125-100-315/11	100	23	11	-
45	125-100-315/18.5	100	32	18.5	-
46	125-100-315/22		36	22	-
47	125-100-315/30		40	30	
48	125-100-400/30		50	30	
49	125-100-400/37		58	37	
50	125-100-400/45		65	45	1480
51	150-125-250/11		12.5	11	
52	150-125-250/15		16	15	
53	150-125-250/18.5		20	18.5	-
54	150-125-250/22	200	24	22	-
55	150-125-315/30	200	32	30	
56	150-125-315/37	1	39	37	
57	150-125-400/45	]	50	45	
58	150-125-400/55		57	55	

# NISO,NIS,NISF Product range

SN	Model	Q [m³/h]	H [m]	Power [kW]	n [r/min]
59	150-125-400/75	200	68	75	
60	200-150-315/37		23	37	
61	200-150-315/45		27	45	
62	200-150-315/55		32	55	
63	200-150-315/75	400	38	75	-
64	200-150-400/75	-	43	75	-
65	200-150-400/90		50	90	-
66	200-150-400/110	-	62	110	-
67	250-200-250/22*		12.5	22	
68	250-200-250/30*	500	16.5	30	
69	250-200-315/37	500	20	37	
70	250-200-315/45		23	45	
71	250-200-250/37*		17	37	
72	250-200-250/45*		20.5	45	
73	250-200-315/55		24	55	
74	250-200-315/75	620	32	75	
75	250-200-400/90	030	37	90	
76	250-200-400/110		44	110	1480
77	250-200-400/132		53	132	
78	250-200-400/160		60	160	
79	300-250-250(Q)/37*		11.5	37	
80	300-250-250(Q)/45*		15	45	
81	300-250-250(Q)/55*		18.5	55	
82	300-250-315(Q)/75		26	75	
83	300-250-315(Q)/90		32	90	
84	300-250-315(Q)/110	800	35	110	
85	300-250-400(Q)/110		38	110	
86	300-250-400(Q)/132		45	132	
87	300-250-400(Q)/160		53	160	

# Technical data

#### NISO, NIS, NISF Product range

					4 Poles	
SN 88 89 00	Model	Q [m³/h]	H [m]	Power [kW]	n [r/min]	
88	300-250-400(Q)/200	800	63	200		
89	300-250-250/45*		11	45		
90	300-250-250/55*		14	55		
91	300-250-250/75*	_	20.5	75		
92	300-250-315/75		20	75		
93	300-250-315/90	1000	25	90		
94	300-250-315/110		31	110		
95	300-250-400/132		37	132		
96	300-250-400/160		45	160		
97	300-250-400/200		50	200	1480	
98	350-300-250/75*		17	75	1480	
99	350-300-250/90*		21.5	90		
100	350-300-250/110*	_	26	110		
101	350-300-250/132*	1200	31	132		
102	350-300-315/132*	- 1200	32.5	132		
103	350-300-315/160*		38.5	160		
104	350-300-315/185*		44.5	185		
105	350-300-315/200*		46	200		

Remark: Model with \* is only for NIS series.

#### **Performance curve**



# **Technical data**

#### **Performance curve**



#### **Performance curve**



#### **Technical data**

#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



#### **Technical data**

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#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



#### **Performance curve**



# **NISO Dimension drawing**





# Technical data

# **NISO Dimension table**

SN	Model	Pump Dimension Base plate and dimension								on	on								
DIN	Widder	а	f	h1	h2	b	p1	p2	ml	m2	n1	n2	n3	n4	t1	t2	w	s1	s2
1	50-32-160	80	385	132	160	50	118	128	100	70	240	190	110	160	12	6	285	14	14
2	50-32-200	80	385	160	180	50	139	147	100	70	240	190	110	160	12	6	285	14	14
3	65-50-160	80	385	132	160	50	121	136	100	70	240	190	110	160	12	6	285	14	14
4	65-40-200	100	385	160	180	50	140	151	100	70	265	212	110	160	13	6	285	14	14
5	65-40-250	100	500	180	225	65	166	176	125	95	320	250	110	160	14	6	370	14	14
6	65-40-315	125	500	200	250	65	194	200	125	95	345	280	110	160	16	6	370	14	14
7	80-65-160	100	385	160	180	50	124	143	100	70	265	212	110	160	13	6	285	14	14
8	80-50-200	100	385	160	200	52	147	161	100	70	265	212	110	160	13	6	285	14	14
9	80-50-250	125	500	180	225	65	167	179	125	95	320	250	110	160	15	6	370	14	14
10	80-50-315	125	500	225	280	65	204	215	125	95	345	280	110	160	18	6	370	14	14
11	100-65-200	100	500	180	225	65	159	183	125	95	320	250	110	160	14	6	370	14	14
12	100-65-250	125	500	200	250	80	180	201	160	120	360	280	110	160	16	6	370	18	14
13	100-65-315	125	530	225	280	80	210	228	160	120	400	315	110	160	18	6	370	18	14
14	100-80-160	100	500	160	200	65	132	160	125	95	280	212	110	160	14	6	370	14	14
15	125-80-400	125	530	280	355	80	261	279	160	120	435	355	110	160	20	6	370	18	14
16	125-100-200	125	500	200	280	80	175	210	160	120	360	280	110	160	17	6	370	18	14
17	125-100-250	140	530	225	280	80	193	225	160	120	400	315	110	160	18	6	370	18	14
18	125-100-315	140	530	250	315	80	224	250	160	120	400	315	110	160	19	6	370	18	14
19	125-100-400	140	530	280	355	100	265	287	200	150	500	400	110	160	20	6	370	18	14
20	150-125-250	140	530	250	355	80	204	244	160	120	400	315	110	160	19	6	370	18	14
21	150-125-315	140	530	280	355	100	236	271	200	150	500	400	110	160	20	6	370	22	14
22	150-125-400	140	530	315	400	100	273	301	200	150	500	400	110	160	21	6	370	22	14
23	200-150-315	160	670	315	400	82	255	304	200	150	515	450	140	180	25	10	500	22	18
24	200-150-400	160	670	315	450	82	291	330	200	150	515	450	140	180	25	10	500	22	18
25	250-200-315	180	670	315	450	82	278	344	200	150	515	450	140	180	25	10	500	22	18
26	250-200-400	180	670	380	450	82	314	367	200	150	515	450	140	180	25	10	500	22	18
27	300-250-315(Q)	225	698	375	455	120	303	381	300	250	710	600	140	180	25	10	528	28	18
28	300-250-400(Q)	225	676	425	500	120	328	395	300	250	710	600	140	180	25	12	506	28	18
29	300-250-315	225	698	375	455	120	303	381	300	250	710	600	140	180	25	10	528	28	18
30	300-250-400	225	676	425	500	120	328	395	300	250	710	600	140	180	25	12	506	28	18

# **NISO Dimension table**

SN	Model		Inlet flange size					Outle		Sha	ft exte	Weight				
511	Widder	D1	D2	D3	k1	d1	D4	D5	D6	k2	d2	d	L	Е	G	(kg)
1	50-32-160	50	125	165	4	18	32	100	140	4	18	24	50	8	20	38
2	50-32-200	50	125	165	4	18	32	100	140	4	18	24	50	8	20	43
3	65-50-160	65	145	185	4	18	50	125	165	4	18	24	50	8	20	41
4	65-40-200	65	145	185	4	18	40	110	150	4	18	24	50	8	20	45
5	65-40-250	65	145	185	4	18	40	110	150	4	18	32	80	10	27	68
6	65-40-315	65	145	185	4	18	40	110	150	4	18	32	80	10	27	84
7	80-65-160	80	160	200	8	18	65	145	185	4	18	24	50	8	20	44
8	80-50-200	80	160	200	8	18	50	125	165	4	18	24	50	8	20	48
9	80-50-250	80	160	200	8	18	50	125	165	4	18	32	80	10	27	71
10	80-50-315	80	160	200	8	18	50	125	165	4	18	32	80	10	27	90
11	100-65-200	100	180	220	8	18	65	145	185	4	18	32	80	10	27	67
12	100-65-250	100	180	220	8	18	65	145	185	4	18	32	80	10	27	82
13	100-65-315	100	180	220	8	18	65	145	185	4	18	42	110	12	37	120
14	100-80-160	100	180	220	8	18	80	160	200	8	18	32	80	10	27	70
15	125-80-400	125	210	250	8	18	80	160	200	8	18	42	110	12	37	158
16	125-100-200	125	210	250	8	18	100	180	220	8	18	32	80	10	27	88
17	125-100-250	125	210	250	8	18	100	180	220	8	18	42	110	12	37	122
18	125-100-315	125	210	250	8	18	100	180	220	8	18	42	110	12	37	137
19	125-100-400	125	210	250	8	18	100	180	220	8	18	42	110	12	37	163
20	150-125-250	150	240	285	8	22	125	210	250	8	18	42	106	12	37	129
21	150-125-315	150	240	285	8	22	125	210	250	8	18	42	106	12	37	157
22	150-125-400	150	240	285	8	22	125	210	250	8	18	42	106	12	37	181
23	200-150-315	200	295	340	12	22	150	240	285	8	22	60	110	18	53	222
24	200-150-400	200	295	340	12	22	150	240	285	8	22	60	110	18	53	293
25	250-200-315	250	355	405	12	26	200	295	340	12	22	60	110	18	53	258
26	250-200-400	250	355	405	12	26	200	295	340	12	22	60	110	18	53	328
27	300-250-315(Q)	300	410	460	12	27	250	355	405	12	27	60	108	18	53	528
28	300-250-400(Q)	300	410	460	12	27	250	355	405	12	27	60	108	18	53	632
29	300-250-315	300	410	460	12	27	250	355	405	12	27	60	108	18	53	528
30	300-250-400	300	410	460	12	27	250	355	405	12	27	60	108	18	53	632

# **NISO Dimension drawing**



# **NISO Dimension table**

2 Poles

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
	3	392	232	296	500	336	750	125	14	72.5	857	80	50	32	95
50-32-160	4	392	232	296	500	336	750	125	14	72.5	875	80	50	32	109
	5.5	392	232	325	500	365	800	150	14	97.5	941	80	50	32	133
50 32 200	7.5	440	260	340	600	380	860	130	14	77.5	941	80	50	32	146
30-32-200	11	440	260	380	600	420	950	175	18	121	1077	80	50	32	190
	7.5	440	260	325	500	365	800	150	14	97.5	961	100	65	40	145
65-40-200	11	440	260	380	600	420	950	175	18	121	1097	100	65	40	192
	15	440	260	380	600	420	950	175	18	121	1097	100	65	40	208
	18.5	505	280	380	800	420	1080	140	18	73.5	1282	100	65	40	255
65-40-250	22	505	280	420	800	480	1100	150	18	81.5	1319	100	65	40	291
	30	525	300	460	800	500	1180	190	18	121.5	1379	100	65	40	363
	22	550	300	420	800	460	1100	150	18	81.5	1344	125	65	40	307
65 40 215	30	570	320	455	800	495	1200	200	18	131.5	1412	125	65	40	392
05-40-515	37	570	320	455	800	495	1200	200	18	131.5	1412	125	65	40	403
	45	590	340	510	800	560	1250	225	22	155	1466	125	65	40	453
	4	392	232	296	500	336	750	125	14	72.5	875	80	65	50	112
65-50-160	5.5	392	232	325	500	365	800	150	14	97.5	941	80	65	50	135
	7.5	392	232	325	500	365	800	150	14	97.5	941	80	65	50	141

# **NISO Dimension table**

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
	11	460	260	380	600	420	950	175	18	121	1097	100	80	50	194
	15	460	260	380	600	420	950	175	18	121	1097	100	80	50	210
80-50-200	18.5	460	260	380	600	420	950	175	18	121	1137	100	80	50	222
	22	480	280	420	700	460	1000	150	18	96	1194	100	80	50	268
00.50.250	30	525	300	460	800	500	1180	190	18	121.5	1404	125	80	50	367
80-50-250	37	525	300	460	800	495	1180	190	18	121.5	1404	125	80	50	377
	37	625	345	455	800	495	1200	200	18	131.5	1402	125	80	50	410
90 50 215	45	625	345	510	800	560	1250	225	22	155	1466	125	80	50	451
80-50-515	55	650	370	575	900	625	1300	200	22	130	1547	125	80	50	573
	75	680	400	620	800	670	1400	300	22	230	1620	125	80	50	703
	5.5	440	260	325	500	365	800	150	14	97.5	961	100	80	65	139
90.65.160	7.5	440	260	325	500	365	800	150	14	97.5	961	100	80	65	144
80-05-100	11	440	260	380	600	420	950	175	18	121	1097	100	80	65	191
	15	440	260	380	600	420	950	175	18	121	1097	100	80	65	206
	18.5	505	280	380	800	420	1080	140	18	73.5	1282	100	100	65	254
100 (5 200	22	505	280	420	800	460	1100	150	18	81.5	1319	100	100	65	290
100-05-200	30	525	300	460	800	500	1180	190	18	121.5	1379	100	100	65	362
	37	525	300	460	800	500	1180	190	18	121.5	1379	100	100	65	372
	45	590	340	510	800	560	1250	225	22	141.5	1466	125	100	65	<b>4</b> 44
100-65-250	55	620	370	575	900	625	1350	225	22	141.5	1547	125	100	65	576
	75	650	400	620	800	670	1400	300	22	214	1620	125	100	65	695
100 65 215	90	680	400	620	900	670	1450	275	22	189	1700	125	100	65	771
100-05-515	110	720	440	710	1000	760	1500	250	22	164	1909	125	100	65	1278
	11	460	260	380	800	420	1080	140	18	73.5	1212	100	100	80	221
100 20 100	15	460	260	380	800	420	1080	140	18	73.5	1212	100	100	80	237
100-80-160	18.5	460	260	380	800	420	1080	140	18	73.5	1282	100	100	80	253
	22	480	280	420	800	460	1100	150	18	83.5	1319	100	100	80	293
	30	600	320	455	800	495	1200	200	18	119	1412	125	125	100	390
	37	600	320	455	800	495	1200	200	18	119	1412	125	125	100	400
125-100-200	45	620	340	510	800	560	1250	225	22	141.5	1466	125	125	100	449
	55	650	370	575	900	625	1350	225	22	141.5	1547	125	125	100	580
	75	680	400	620	800	670	1400	300	22	214	1620	125	125	100	699

# Technical data

# **NISO Dimension table**

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
	75	680	400	620	800	670	1400	300	22	214	1665	140	125	100	734
125-100-250	90	680	400	620	900	670	1450	275	22	189	1715	140	125	100	774
	110	720	440	710	1000	760	1500	250	22	164	1924	140	125	100	1278
	90	715	400	620	900	670	1450	275	22	189	1715	140	125	100	784
125 100 215	110	755	440	710	1000	760	1500	250	22	164	1909	140	125	100	1238
123-100-313	132	755	440	710	1000	760	1560	280	22	194	2034	140	125	100	1344
	160	755	440	710	1000	760	1560	280	22	194	2034	140	125	100	1441

4 Poles

2 Poles

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
50.22.1/0	0.55	392	232	296	500	336	700	100	14	47.5	760	80	50	32	78
50-32-160	0.75	392	232	296	500	336	700	100	14	47.5	760	80	50	32	79
50 32 200	1.1	440	260	296	500	336	750	125	14	72.5	839	80	50	32	89
50-52-200	1.5	440	260	296	500	336	750	125	14	72.5	871	80	50	32	91
	1.1	440	260	325	500	365	800	125	14	72.5	869	100	65	40	92
65-40-200	1.5	440	260	325	500	365	800	125	14	72.5	901	100	65	40	94
	2.2	440	260	325	500	365	800	125	14	72.5	940	100	65	40	107
65-40-250	3	505	280	376	600	416	920	160	14	95	1045	100	65	40	141
65 40 215	4	550	300	405	600	445	900	150	14	85	1095	125	65	40	171
03-40-315	5.5	550	300	405	600	445	950	175	14	110	1101	125	65	40	192
	0.55	392	232	296	500	336	700	100	14	47.5	760	80	65	50	81
65-50-160	0.75	392	232	296	500	336	700	100	14	47.5	760	80	65	50	81
	1.1	392	232	296	500	336	750	100	14	47.5	839	80	65	50	85
	1.5	460	260	325	500	365	800	125	14	72.5	901	100	80	50	96
80-50-200	2.2	460	260	325	500	365	800	125	14	72.5	930	100	80	50	109
	3	460	260	325	500	365	800	125	14	72.5	930	100	80	50	113
80.50.250	4	505	280	376	600	416	920	160	14	95	1092	125	80	50	155
80-30-230	5.5	505	280	376	600	416	920	160	14	95	1107	125	80	50	173
80 50 215	5.5	605	325	405	600	445	950	175	18	108.5	1101	125	80	50	199
80-30-313	7.5	605	325	405	600	445	950	175	18	108.5	1141	125	80	50	211
	0.75	440	260	325	500	365	700	100	14	47.5	780	100	80	65	84
80-65-160	1.1	440	260	325	500	365	800	125	14	72.5	869	100	80	65	91
	1.5	440	260	325	500	365	800	125	14	72.5	901	100	80	65	93

# **NISO Dimension table**

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	ОН	UL	FC	DN1	DN2	Weight (kg)
	3	505	280	376	600	416	920	160	14	95	1045	100	100	65	140
100-65-200	4	505	280	376	600	416	920	160	14	95	1067	100	100	65	150
	5.5	505	280	376	600	416	920	160	14	95	1082	100	100	65	169
100 65 250	5.5	550	300	420	600	460	980	190	14	110	1111	125	100	65	190
100-65-250	7.5	550	300	420	600	460	980	190	18	110	1151	125	100	65	203
100 (5 215	11	605	325	460	800	500	1120	160	18	80	1267	125	100	65	298
100-65-315	15	605	325	460	800	500	1120	160	18	80	1307	125	100	65	312
	1.5	460	260	340	600	380	890	130	14	65	1006	100	100	80	124
100-80-160	2.2	460	260	340	600	380	890	130	14	65	1035	100	100	80	135
	3	460	260	340	600	380	890	130	14	65	1035	100	100	80	139
	15	735	380	500	800	540	1150	175	18	94	1317	125	125	80	362
	18.5	735	380	500	800	540	1150	175	18	94	1374	125	125	80	381
125-80-400	22	735	380	510	800	560	1220	210	22	126.5	1404	125	125	80	418
	30	735	380	510	800	560	1220	210	22	126.5	1442	125	125	80	474
	37	755	400	510	800	560	1250	225	22	141.5	1481	125	125	80	548
	4	580	300	420	600	460	900	150	14	70	1095	125	125	100	171
105 100 000	5.5	580	300	420	600	460	980	190	18	110	1111	125	125	100	195
125-100-200	7.5	580	300	420	600	460	980	190	18	110	1151	125	125	100	207
	11	580	300	420	800	460	1100	150	18	70	1237	125	125	100	263
125-100-250	15	605	325	460	800	500	1120	160	18	80	1322	140	125	100	312
	11	665	350	460	800	500	1120	160	18	79	1282	140	125	100	314
105 100 215	18.5	665	350	460	800	500	1180	190	18	109	1379	140	125	100	354
125-100-315	22	665	350	460	800	500	1180	190	18	109	1409	140	125	100	380
	30	665	350	510	800	560	1220	210	22	126.5	1457	140	125	100	452
	30	735	380	570	800	620	1220	210	22	110	1447	140	125	100	478
125-100-400	37	755	400	575	900	625	1300	200	22	100	1496	140	125	100	552
	45	755	400	575	900	625	1300	200	22	100	1531	140	125	100	581
	11	705	350	460	800	500	1120	160	18	79	1282	140	150	125	309
150 105 050	15	705	350	460	800	500	1120	160	18	79	1322	140	150	125	324
150-125-250	18.5	705	350	460	800	500	1180	190	18	109	1379	140	150	125	349
	22	705	350	460	800	500	1180	190	18	109	1409	140	150	125	375

# Technical data

# **NISO Dimension table**

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
150 105 215	30	735	380	570	800	620	1220	210	22	110	1447	140	150	125	483
150-125-315	37	755	400	575	900	625	1300	200	22	100	1496	140	150	125	559
	45	835	435	575	900	625	1300	200	22	100	1531	140	150	125	607
150-125-400	55	835	435	575	900	625	1350	225	22	125	1592	140	150	125	709
	75	835	435	620	800	670	1400	300	22	200	1665	140	150	125	844
	37	835	435	620	800	670	1400	300	22	200	1656	160	200	150	628
200 150 215	45	835	435	595	900	645	1500	300	22	200	1691	160	200	150	659
200-150-315	55	835	435	595	900	645	1500	300	22	200	1752	160	200	150	762
	75	835	435	625	1000	675	1600	300	22	200	1835	160	200	150	903
	75	885	435	625	1000	675	1600	300	22	200	1835	160	200	150	973
200-150-400	90	885	435	625	1000	675	1600	300	22	200	1885	160	200	150	1024
	110	885	435	710	1200	760	1700	250	22	150	2124	160	200	150	1467
	37	885	435	620	800	670	1400	300	22	200	1676	180	250	200	663
250 200 215	45	885	435	595	900	645	1500	300	22	200	1711	180	250	200	694
250-200-315	55	885	435	595	900	645	1500	300	22	200	1772	180	250	200	798
	75	885	435	625	1000	675	1600	300	22	200	1855	180	250	200	943
	90	950	500	625	1000	675	1600	300	22	200	1905	180	250	200	1075
050 000 400	110	950	500	710	1200	760	1700	250	22	150	2144	180	250	200	1524
250-200-400	132	950	500	710	1200	760	1750	275	22	175	2244	180	250	200	1606
	160	950	500	710	1200	760	1750	275	22	175	2244	180	250	200	1710
	75	950	495	800	1150	850	1700	275	22	125	1933	225	300	250	1525
300-250-315(Q)	90	950	495	800	1150	850	1700	275	22	125	1983	225	300	250	1603
	110	950	495	800	1250	850	1800	275	22	125	2228	225	300	250	1931
	110	1045	545	800	1250	850	1800	275	22	125	2206	225	300	250	1980
200,250,400(0)	132	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2085
300-230-400(Q)	160	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2145
	200	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2260
	75	950	495	800	1150	850	1700	275	22	125	1933	225	300	250	1525
300-250-315	90	950	495	800	1150	850	1700	275	22	125	1983	225	300	250	1603
	110	950	495	800	1250	850	1800	275	22	125	2228	225	300	250	1931

# **NISO Dimension table**

4 Poles

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	ОН	UL	FC	DN1	DN2	Weight (kg)
	132	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2085
300-250-400	160	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2145
	200	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2260

# Technical data

# **NIS, NISF Dimension drawing**



# NIS,NISF Dimension table

2 Poles

Model	Power (kW)	Η	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
	3	382	372	212	306	250	336	450	100	14	47.5	563	80	50	32	75
50-32-160	4	400	372	212	306	250	336	450	100	14	47.5	578	80	50	32	81
	5.5	425	372	212	335	300	365	540	100	14	47.5	650	80	50	32	105
50 32 200	7.5	453	420	240	350	300	380	540	100	14	46	650	80	50	32	120
50-52-200	11	500	420	240	390	350	420	600	125	18	71	787	80	50	32	175
	7.5	453	420	240	335	300	365	540	100	14	47.5	670	100	65	40	120
65-40-200	11	500	420	240	390	350	420	600	125	18	71	807	100	65	40	177
	15	500	420	240	390	350	420	600	125	18	71	807	100	65	40	187
	18.5	520	485	260	390	400	420	660	130	18	63.5	865	100	65	40	222
65-40-250	22	535	485	260	430	400	460	700	150	18	81.5	895	100	65	40	257
	30	585	505	280	470	450	500	750	150	18	81.5	967	100	65	40	318
	22	555	530	280	430	400	460	750	150	18	81.5	920	125	65	40	270
65 40 315	30	585	530	280	465	500	495	800	150	18	81.5	992	125	65	40	340
05-40-515	37	585	530	280	465	500	495	800	150	18	81.5	992	125	65	40	359
	45	640	555	305	520	500	560	820	160	22	90	1042	125	65	40	428
	4	400	372	212	306	250	336	450	100	14	47.5	578	80	65	50	83
65-50-160	5.5	425	372	212	335	300	365	500	100	14	47.5	650	80	65	50	107
	7.5	425	372	212	335	300	365	500	100	14	47.5	650	80	65	50	110

# **NIS, NISF Dimension table**

Model	Power (kW)	Н	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
	11	500	440	240	390	350	420	600	125	18	71	807	100	80	50	181
80.50.200	15	500	440	240	390	350	420	600	125	18	71	807	100	80	50	191
80-30-200	18.5	500	440	240	390	400	420	660	130	18	76	862	100	80	50	211
	22	535	460	260	430	400	460	700	150	18	96	892	100	80	50	254
80.50.250	30	585	505	280	470	450	500	750	150	18	81.5	992	125	80	50	320
80-30-230	37	585	505	280	470	450	500	750	150	18	81.5	992	125	80	50	339
	37	610	585	305	465	500	495	800	150	18	81.5	992	125	80	50	370
90 50 215	45	640	585	305	520	500	560	820	160	22	90	1042	125	80	50	434
80-50-515	55	715	630	350	585	550	625	950	200	22	130	1156	125	80	50	534
	75	780	660	380	630	600	670	1000	200	22	130	1231	125	80	50	675
	5.5	453	420	240	335	300	365	500	100	14	47.5	670	100	80	65	115
00 (5 1(0	7.5	453	420	240	335	300	365	500	100	14	47.5	670	100	80	65	118
80-65-160	11	500	420	240	390	350	420	600	125	18	71	807	100	80	65	175
	15	500	420	240	390	350	420	600	125	18	71	807	100	80	65	185
	18.5	520	485	260	390	400	420	660	130	18	63.5	865	100	100	65	222
100 (5 200	22	535	485	260	430	400	460	700	150	18	81.5	895	100	100	65	257
100-65-200	30	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	318
	37	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	337
	45	640	555	305	520	500	560	820	160	22	76.5	1042	125	100	65	426
100-65-250	55	715	600	350	585	550	625	950	200	22	116.5	1156	125	100	65	529
	75	780	630	380	630	600	670	1000	200	22	114	1231	125	100	65	673
100 (5.215	90	780	660	380	630	600	670	1100	250	22	164	1295	125	100	65	730
100-65-315	110	945	695	415	720	600	760	1100	250	22	164	1530	125	100	65	1161
	11	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	177
100 80 170	15	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	187
100-80-160	18.5	515	440	240	390	400	420	660	130	18	61.5	865	100	100	80	207
	22	535	460	260	430	400	460	700	150	18	83.5	895	100	100	80	248
	30	585	560	280	465	500	495	800	150	18	69	992	125	125	100	349
	37	585	560	280	465	500	495	800	150	18	69	992	125	125	100	368
125-100-200	45	640	585	305	520	500	560	820	160	22	76.5	1042	125	125	100	431
	55	715	630	350	585	550	625	950	200	22	116.5	1156	125	125	100	534
	75	780	660	380	630	600	670	1000	200	22	114	1231	125	125	100	678

# **NIS, NISF Dimension table**

																2 Poles
Model	Power (kW)	Н	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
	75	780	660	380	630	600	670	1000	200	22	114	1265	140	125	100	701
125-100-250	90	780	660	380	630	600	670	1100	250	22	164	1315	140	125	100	738
	110	945	695	415	720	600	760	1100	250	22	164	1523	140	125	100	1169
	90	780	695	380	630	600	670	1100	250	22	164	1310	140	125	100	744
125 100 215	110	945	730	415	720	600	760	1100	250	22	164	1545	140	125	100	1170
123-100-315	132	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1230
	160	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1350

																4 Poles
Model	Power (kW)	Н	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
<b>50 33 1</b> (0	0.55	352	372	212	306	250	336	400	75	14	22.5	483	80	50	32	44
50-32-160	0.75	352	372	212	306	250	336	410	75	14	22.5	483	80	50	32	45
50 22 200	1.1	400	420	240	306	250	336	450	75	14	22.5	513	80	50	32	71
30-32-200	1.5	400	420	240	306	250	336	450	75	14	22.5	568	80	50	32	78
	1.1	400	420	240	335	250	365	460	75	14	22.5	533	100	65	40	73
65-40-200	1.5	400	420	240	335	250	365	460	75	14	22.5	588	100	65	40	80
	2.2	410	420	240	335	250	365	460	100	14	47.5	638	100	65	40	91
65-40-250	3	430	485	260	386	300	416	500	100	14	35	646	100	65	40	109
65 40 215	4	468	530	280	415	300	445	500	100	14	35	631	125	65	40	128
03-40-515	5.5	493	530	280	415	300	445	500	100	14	35	687	125	65	40	151
	0.55	352	372	212	306	250	336	400	75	14	22.5	483	80	65	50	46
65-50-160	0.75	352	372	212	306	250	336	410	75	14	22.5	483	80	65	50	47
	1.1	372	372	212	306	250	336	450	75	14	22.5	513	80	65	50	63
	1.5	400	440	240	335	250	365	460	75	14	22.5	588	100	80	50	84
80-50-200	2.2	410	440	240	335	250	365	460	100	14	47.5	638	100	80	50	95
	3	410	440	240	335	250	365	460	100	14	47.5	638	100	80	50	100
80.50.250	4	448	485	260	386	300	416	500	100	14	35	666	125	80	50	116
80-30-230	5.5	473	485	260	386	300	416	500	100	14	35	639	125	80	50	137
80 50 215	5.5	518	585	305	415	350	445	550	100	18	33.5	639	125	80	50	155
80-50-515	7.5	518	585	305	415	350	445	550	100	18	33.5	717	125	80	50	169
	0.75	380	420	240	335	250	365	400	75	14	22.5	503	100	80	65	67
80-65-160	1.1	400	420	240	335	250	365	460	75	14	22.5	533	100	80	65	71
	1.5	400	420	240	335	250	365	460	75	14	22.5	588	100	80	65	78

# **NIS, NISF Dimension table**

Model	Power (kW)	Η	H1	H2	HC1	HC2	BW	BL	BP	BH	ОН	UL	FC	DN1	DN2	Weight (kg)
	3	430	485	260	386	300	416	500	100	14	35	646	100	100	65	109
100-65-200	4	448	485	260	386	300	416	500	100	14	35	641	100	100	65	114
	5.5	473	485	260	386	300	416	500	100	14	35	614	100	100	65	135
100.65.250	5.5	493	530	280	430	350	460	550	100	14	20	639	125	100	65	147
100-03-230	7.5	493	530	280	430	350	460	550	100	18	20	717	125	100	65	166
100 65 215	11	565	585	305	470	400	500	700	150	18	70	854	125	100	65	249
100-05-515	15	565	585	305	470	400	500	700	150	18	70	909	125	100	65	270
	1.5	400	440	240	350	250	380	470	105	14	40	581	100	100	80	76
100-80-160	2.2	410	440	240	350	300	380	500	100	14	35	646	100	100	80	87
	3	410	440	240	350	300	380	500	100	14	35	646	100	100	80	92
	15	620	715	360	510	450	540	750	150	18	68	911	125	125	80	334
	18.5	635	715	360	510	450	540	750	150	18	66.5	941	125	125	80	369
125-80-400	22	635	715	360	520	450	560	750	150	22	76.5	981	125	125	80	391
	30	665	715	360	520	500	560	820	160	22	68	1015	125	125	80	440
	37	695	715	360	520	500	560	820	160	22	76.5	1058	125	125	80	498
	4	468	560	280	430	300	460	500	100	14	20	666	125	125	100	136
125 100 200	5.5	493	560	280	430	350	460	550	100	18	20	639	125	125	100	152
125-100-200	7.5	493	560	280	430	350	460	550	100	18	20	717	125	125	100	171
	11	540	560	280	430	400	460	650	125	18	45	835	125	125	100	222
125-100-250	15	565	585	305	470	400	500	700	150	18	70	924	140	125	100	278
	11	590	645	330	470	400	500	700	150	18	69	869	140	125	100	261
125 100 215	18.5	605	645	330	470	450	500	750	150	18	69	954	140	125	100	317
125-100-315	22	605	645	330	470	450	500	750	150	18	69	994	140	125	100	335
	30	635	645	330	520	500	560	820	160	22	76.5	1028	140	125	100	394
	30	665	715	360	580	500	620	800	150	22	50	1028	140	125	100	444
125-100-400	37	715	735	380	585	550	625	950	200	22	100	1071	140	125	100	523
	45	715	735	380	585	550	625	950	200	22	100	1101	140	125	100	552
	11	590	685	330	470	400	500	700	150	18	69	569	140	150	125	257
150 125 250	15	590	685	330	470	400	500	700	150	18	69	924	140	150	125	284
130-123-230	18.5	605	685	330	470	450	500	750	150	18	69	954	140	150	125	315
	22	605	685	330	470	450	500	750	150	18	69	994	140	150	125	333

# NIS,NISF Dimension table

Model	Power (kW)	Н	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
150-125-315	30	665	715	360	580	500	620	800	150	22	50	1028	140	150	125	430
	37	715	735	380	585	550	625	950	200	22	100	1071	140	150	125	507
150-125-400	45	750	815	415	585	550	625	950	200	22	100	1103	140	150	125	561
	55	780	815	415	585	550	625	950	200	22	100	1187	140	150	125	620
	75	815	815	415	630	600	670	1000	200	22	100	1262	140	150	125	776
200-150-315	37	750	815	415	605	500	645	900	200	22	100	1116	160	200	150	541
	45	750	815	415	605	500	645	900	200	22	100	1146	160	200	150	579
	55	780	815	415	605	600	645	1000	200	22	100	1254	160	200	150	650
	75	815	815	415	630	600	675	1100	250	22	150	1329	160	200	150	806
200-150-400	75	815	865	415	630	600	675	1100	250	22	150	1329	160	200	150	859
	90	815	865	415	630	600	675	1100	250	22	150	1379	160	200	150	956
	110	945	865	415	720	700	760	1220	260	22	160	1614	160	200	150	1325
	22	690	865	415	605	500	645	900	200	22	85	1060	180	250	200	483
250-200-250*	30	720	865	415	605	500	645	900	200	22	85	1114	180	250	200	580
	37	750	865	415	605	600	645	1000	200	22	90	1145	180	250	200	642
	45	750	865	415	605	600	645	1000	200	22	90	1170	180	250	200	680
250-200-315	37	750	865	415	605	500	670	900	200	22	100	1136	180	250	200	592
	45	750	865	415	605	500	645	900	200	22	100	1166	180	250	200	630
	55	780	865	415	605	600	645	1100	250	22	150	1274	180	250	200	695
	75	815	865	415	630	600	670	1100	250	22	150	1349	180	250	200	840
250-200-400	90	845	930	480	630	600	675	1100	250	22	150	1399	180	250	200	1015
	110	1010	930	480	720	750	760	1250	250	22	150	1634	180	250	200	1400
	132	1010	930	480	720	700	760	1220	260	22	160	1744	180	250	200	1495
	160	1010	930	480	720	700	760	1220	260	22	160	1744	180	250	200	1564
300-250-250*	45	835	980	500	810	570	850	970	200	22	40	1221	235	300	250	780
	55	865	980	500	810	640	850	1140	250	22	90	1316	235	300	250	845
	75	900	980	500	810	640	850	1140	250	22	90	1376	235	300	250	1170
300-250-250(Q)*	37	835	980	500	810	570	850	970	200	22	40	1196	235	300	250	742
	45	835	980	500	810	570	850	970	200	22	40	1221	235	300	250	780
	55	865	980	500	810	640	850	1140	250	22	90	1316	235	300	250	845
300-250-315(Q)	75	930	930	475	810	750	850	1250	250	22	90	1356	225	300	250	1120
	90	930	930	475	810	750	850	1250	250	22	90	1406	225	300	250	1182
	110	1005	930	475	810	750	850	1250	250	22	90	1743	225	300	250	1518
300-250-400(Q)	110	1055	1025	525	810	750	850	1250	250	22	90	1611	225	300	250	1582
	132	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1676

# **NIS, NISF Dimension table**

4 Poles

Model	Power (kW)	Н	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
300-250-400(Q)	160	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1777
	200	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1853
300-250-315	75	930	930	475	810	750	850	1250	250	22	90	1356	225	300	250	1120
	90	930	930	475	810	750	850	1250	250	22	90	1406	225	300	250	1182
	110	1005	930	475	810	750	850	1250	250	22	90	1743	225	300	250	1518
300-250-400	132	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1676
	160	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1777
	200	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1853
350-300-250*	75	940	1140	540	910	680	950	1180	250	22	65	1401	250	350	300	1220
	90	940	1140	540	910	680	950	1180	250	22	65	1452	250	350	300	1282
	110	1070	1140	540	910	870	950	1370	250	22	65	1676	250	350	300	1618
	132	1070	1140	540	910	870	950	1370	250	22	65	1786	250	350	300	1775
	132	1070	1140	540	910	870	950	1370	250	22	65	1767	250	350	300	1776
350-300-315*	160	1070	1140	540	910	870	950	1370	250	22	65	1767	250	350	300	1877
	185	1070	1140	540	910	870	950	1370	250	22	65	1767	250	350	300	1953
	200	1070	1140	540	910	870	950	1370	250	22	65	1767	250	350	300	1953

Remark: 1. Flange size of NIS, NISF is same as NISO. 2. Model with \* is only for NIS series.

# **Technical data**