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NOVAWINCH.COM

**HYDRAULIC PRODUCT GUIDE**

2019-2020

**EXPERIENCE AMAZING**



## ENTERPRISE PROFILE

Shanghai Zhongsheng Instrument Instrument Corp. (ZS) is dedicated to design and manufacture of analytical instruments since 1987. In the past 30 years, we have built our own R&D, production, marketing, sales and service network around the world. It is currently mainly our business products in the most advanced scientific fields.

Shanghai Zhongsheng Instrument Instrument Corp. has been listed on the Shanghai Stock Exchange since 2010. In the past 30 years, we have built our own R&D, production, marketing, sales and service network around the world. It is currently mainly our business products in the most advanced scientific fields.



There is a rich and wide scientific instrument design and production experience in our field. We always do every process strictly following the high standards of our customers' quality requirements. Every step of the production is to be the highest quality of our products.



## COMPANY CAPABILITY



2000 employees



100,000 square meters



100,000 square meters



20,000 units of production



100,000 square meters



100,000 square meters



10,000 square meters



10,000 square meters



10,000 square meters



## SERIOUS AND SAFE FOR EVERY TOUGH WORK

Whatever tough application you can think of, you can always depend on **MANITEX** your reliable partner for help you. Our wide variety range of hydraulic vehicles from 10000kg through to 50000kg, will allow you to choose the correct vehicle for your application, whatever the usage, from concrete for standard usage. To make us see our range is suited for the new range of projects worldwide, so check out the relevant vehicle details ourselves, for more information please go to [www.manitex.com.au](http://www.manitex.com.au)





## Features:

- 1. 3000mm length
- 2. 200mm x 100mm x 10mm, 200mm x 100mm x 10mm
- 3. 100mm x 100mm x 10mm, 100mm x 100mm x 10mm, 100mm x 100mm x 10mm
- 4. High strength material, 100mm x 100mm x 10mm, 100mm x 100mm x 10mm, 100mm x 100mm x 10mm
- 5. 100mm x 100mm x 10mm, 100mm x 100mm x 10mm, 100mm x 100mm x 10mm

## MOLT EN 4403-1-2008 REQUIREMENTS:

**X1.25**

1.25 T1000



100mm x 100mm x 10mm, 100mm x 100mm x 10mm

**X1.5**

1.5 T1000



100mm x 100mm x 10mm, 100mm x 100mm x 10mm

**X2**

2 T1000



100mm x 100mm x 10mm, 100mm x 100mm x 10mm

**2**

2 T1000 T1000



100mm x 100mm x 10mm, 100mm x 100mm x 10mm

**10**

10 T1000



100mm x 100mm x 10mm, 100mm x 100mm x 10mm



100mm x 100mm x 10mm



100mm x 100mm x 10mm



## NEW SERIES HYDRAULIC CYLINDER 10000-20000



## Features:

- 1. 10000-20000
- 2. 10000-20000
- 3. 10000-20000
- 4. 10000-20000
- 5. 10000-20000
- 6. 10000-20000
- 7. 10000-20000
- 8. 10000-20000
- 9. 10000-20000
- 10. 10000-20000



## OPTIONAL ACCESSORIES



10000-20000



10000-20000



10000-20000



10000-20000

## ***HVW SERIES HYDRAULIC WINCH***

The powerful, robust HVW series hydraulic winches of the **HOFFMANN** Group, they are rugged heavy-duty high performance winches for the toughest industrial/military applications. HVW series winch is used on most **HOFFMANN** T 1000 tractors.

## **HVW SERIES HYDRAULIC WINCH 25000-2500**

The power winch HVW series hydraulic winches of the **HOFFMANN** Group, they are rugged heavy-duty high performance winches for the toughest industrial/military applications. HVW series winch is used on most **HOFFMANN** T 1000 tractors.



**HVW-2500H**



**HVW-2500H**



**HVW-1500H**



**HVW-1500H**



**HVW-3000H**











## HEH5000 - 60000

**Technical data**  
 An overview of the  
 technical data is given

**REQUIRE**



**REQUIRE**



Type	Cooling fan speed		Cooling fan speed		Working pressure (kPa)		Working pressure (kPa)	Flow rate (m³/h)
	min	max	min	max	min	max		
HEH5000 HEH6000	1000	1500	1000	1500	0.1	0.2	1.0	1.0
Type	Maximum flow		Type		Maximum capacity			
HEH5000	1000		HEH6000		1000			
HEH6000	1500		HEH5000		1500			

Type	Cooling fan speed	Maximum flow rate (m³/h)		Maximum capacity (m³/h)		Max. air consumption (m³/h)	
		min	max	min	max	min	max
HEH5000	1000	1000	1500	0.1	0.2	1.0	1.0
	1200	1000	1500	0.1	0.2	1.0	1.0
	1400	1000	1500	0.1	0.2	1.0	1.0
	1600	1000	1500	0.1	0.2	1.0	1.0
	1800	1000	1500	0.1	0.2	1.0	1.0
HEH6000	1000	1000	1500	0.1	0.2	1.0	1.0
	1200	1000	1500	0.1	0.2	1.0	1.0
	1400	1000	1500	0.1	0.2	1.0	1.0
	1600	1000	1500	0.1	0.2	1.0	1.0
	1800	1000	1500	0.1	0.2	1.0	1.0

Type	Maximum flow rate (m³/h)	
	min	max
HEH5000	1000	1500
HEH6000	1500	2000

Type	Maximum capacity (m³/h)
HEH5000	1000
HEH6000	1500

- Notes**
- The range of cooling fan speeds is given in the technical data.
  - Maximum capacity is given in the technical data.
  - The range of cooling fan speeds is given in the technical data.
  - The range of cooling fan speeds is given in the technical data.

- Notes**
- Maximum capacity is given in the technical data.
  - Maximum capacity is given in the technical data.
  - Maximum capacity is given in the technical data.
  - Maximum capacity is given in the technical data.

## HEH5000 - 30000

**Technical data**  
 An overview of the  
 technical data is given



Type	Cooling fan speed		Cooling fan speed		Working pressure (kPa)		Working pressure (kPa)	Flow rate (m³/h)
	min	max	min	max	min	max		
HEH5000 HEH30000	1000	1500	1000	1500	0.1	0.2	1.0	1.0
Type	Maximum flow		Type		Maximum capacity			
HEH5000	1000		HEH30000		1000			
HEH30000	1500		HEH5000		1500			

Type	Cooling fan speed	Maximum flow rate (m³/h)		Maximum capacity (m³/h)		Max. air consumption (m³/h)	
		min	max	min	max	min	max
HEH5000	1000	1000	1500	0.1	0.2	1.0	1.0
	1200	1000	1500	0.1	0.2	1.0	1.0
	1400	1000	1500	0.1	0.2	1.0	1.0
	1600	1000	1500	0.1	0.2	1.0	1.0
	1800	1000	1500	0.1	0.2	1.0	1.0
HEH30000	1000	1000	1500	0.1	0.2	1.0	1.0
	1200	1000	1500	0.1	0.2	1.0	1.0
	1400	1000	1500	0.1	0.2	1.0	1.0
	1600	1000	1500	0.1	0.2	1.0	1.0
	1800	1000	1500	0.1	0.2	1.0	1.0

Type	Maximum flow rate (m³/h)	
	min	max
HEH5000	1000	1500
HEH30000	1500	2000

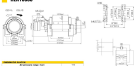
Type	Maximum capacity (m³/h)
HEH5000	1000
HEH30000	1500

- Notes**
- The range of cooling fan speeds is given in the technical data.
  - Maximum capacity is given in the technical data.
  - The range of cooling fan speeds is given in the technical data.
  - The range of cooling fan speeds is given in the technical data.

- Notes**
- Maximum capacity is given in the technical data.
  - Maximum capacity is given in the technical data.
  - Maximum capacity is given in the technical data.
  - Maximum capacity is given in the technical data.



## HEW 1000



Dimensions in mm			
Motor length	100	100	100
Motor width	100	100	100
Motor height	100	100	100

Model	Rated power (kW)	Rated current (A)	Rated speed (rpm)	Rated torque (Nm)	Rated efficiency (%)	Rated power factor	Rated speed (rpm)
HEW 1000	1.0	1.8	1400	0.7	85	0.85	1400

Model	Rated power (kW)	Rated current (A)	Rated speed (rpm)	Rated torque (Nm)	Rated efficiency (%)	Rated power factor	Rated speed (rpm)
HEW 1000	1.0	1.8	1400	0.7	85	0.85	1400

Model	Rated power (kW)	Rated current (A)	Rated speed (rpm)	Rated torque (Nm)	Rated efficiency (%)	Rated power factor	Rated speed (rpm)
HEW 1000	1.0	1.8	1400	0.7	85	0.85	1400

Model	Rated power (kW)	Rated current (A)	Rated speed (rpm)	Rated torque (Nm)	Rated efficiency (%)	Rated power factor	Rated speed (rpm)
HEW 1000	1.0	1.8	1400	0.7	85	0.85	1400

Model	Rated power (kW)	Rated current (A)	Rated speed (rpm)	Rated torque (Nm)	Rated efficiency (%)	Rated power factor	Rated speed (rpm)
HEW 1000	1.0	1.8	1400	0.7	85	0.85	1400

- |   |   |
|---|---|
| <p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>The motor is suitable for continuous duty.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> </ol> | <p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>The motor is suitable for continuous duty.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> </ol> |
|---|---|

## HEW 1000 - 12000



Dimensions in mm			
Motor length	100	100	100
Motor width	100	100	100
Motor height	100	100	100

Model	Rated power (kW)	Rated current (A)	Rated speed (rpm)	Rated torque (Nm)	Rated efficiency (%)	Rated power factor	Rated speed (rpm)
HEW 1000	1.0	1.8	1400	0.7	85	0.85	1400

Model	Rated power (kW)	Rated current (A)	Rated speed (rpm)	Rated torque (Nm)	Rated efficiency (%)	Rated power factor	Rated speed (rpm)
HEW 1000	1.0	1.8	1400	0.7	85	0.85	1400

Model	Rated power (kW)	Rated current (A)	Rated speed (rpm)	Rated torque (Nm)	Rated efficiency (%)	Rated power factor	Rated speed (rpm)
HEW 1000	1.0	1.8	1400	0.7	85	0.85	1400

Model	Rated power (kW)	Rated current (A)	Rated speed (rpm)	Rated torque (Nm)	Rated efficiency (%)	Rated power factor	Rated speed (rpm)
HEW 1000	1.0	1.8	1400	0.7	85	0.85	1400

- |   |   |
|---|---|
| <p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>The motor is suitable for continuous duty.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> </ol> | <p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>The motor is suitable for continuous duty.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> <li>For intermittent duty, the motor is suitable for 15 minutes.</li> </ol> |
|---|---|

## HEH1 0005 - 0005

HEH 1 0005 HEH 1 0005



Technical drawing	
in drawing (mm)	1
technical drawing (mm)	1

### Dimensions

Type	Shoulder hole (mm)		Shoulder hole (mm)		Shoulder hole (mm)		Bore (mm)	Outer dia. (mm)
	Ø	W	Ø	W	Ø	W		
HEH1 0005 (standard)	50	10	50	10	50	10	50	50
HEH1 0005 (standard)	50	10	50	10	50	10	50	50

### Dimensions

Type	Shoulder hole (mm)		Shoulder hole (mm)		Shoulder hole (mm)		Bore (mm)	Outer dia. (mm)
	Ø	W	Ø	W	Ø	W		
HEH1 0005 (standard)	50	10	50	10	50	10	50	50
HEH1 0005 (standard)	50	10	50	10	50	10	50	50

### Dimensions

Type	Shoulder hole (mm)		Shoulder hole (mm)		Shoulder hole (mm)		Bore (mm)	Outer dia. (mm)
	Ø	W	Ø	W	Ø	W		
HEH1 0005 (standard)	50	10	50	10	50	10	50	50
HEH1 0005 (standard)	50	10	50	10	50	10	50	50

### HEH1 0005 - 0005 (standard)

Type	Ø	W
HEH1 0005 (standard)	50	10
HEH1 0005 (standard)	50	10

### Dimensions

Type	Shoulder hole (mm)		Shoulder hole (mm)		Shoulder hole (mm)		Bore (mm)	Outer dia. (mm)
	Ø	W	Ø	W	Ø	W		
HEH1 0005 (standard)	50	10	50	10	50	10	50	50
HEH1 0005 (standard)	50	10	50	10	50	10	50	50

## HEH1 0005 - 0005

HEH 1 0005 HEH 1 0005



Technical drawing	
in drawing (mm)	1
technical drawing (mm)	1

### Dimensions

Type	Shoulder hole (mm)		Shoulder hole (mm)		Shoulder hole (mm)		Bore (mm)	Outer dia. (mm)
	Ø	W	Ø	W	Ø	W		
HEH1 0005 (standard)	50	10	50	10	50	10	50	50
HEH1 0005 (standard)	50	10	50	10	50	10	50	50

### Dimensions

Type	Shoulder hole (mm)		Shoulder hole (mm)		Shoulder hole (mm)		Bore (mm)	Outer dia. (mm)
	Ø	W	Ø	W	Ø	W		
HEH1 0005 (standard)	50	10	50	10	50	10	50	50
HEH1 0005 (standard)	50	10	50	10	50	10	50	50

### Dimensions

Type	Shoulder hole (mm)		Shoulder hole (mm)		Shoulder hole (mm)		Bore (mm)	Outer dia. (mm)
	Ø	W	Ø	W	Ø	W		
HEH1 0005 (standard)	50	10	50	10	50	10	50	50
HEH1 0005 (standard)	50	10	50	10	50	10	50	50

### HEH1 0005 - 0005 (standard)

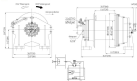
Type	Ø	W
HEH1 0005 (standard)	50	10
HEH1 0005 (standard)	50	10

### Dimensions

Type	Shoulder hole (mm)		Shoulder hole (mm)		Shoulder hole (mm)		Bore (mm)	Outer dia. (mm)
	Ø	W	Ø	W	Ø	W		
HEH1 0005 (standard)	50	10	50	10	50	10	50	50
HEH1 0005 (standard)	50	10	50	10	50	10	50	50



## HW-150/NH

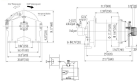


Specifications		HW-150/NH
Shell type for shell (inches)		6000/1000
Shell type for construction	Shell and tube (S/T)	Shell and tube
Bundle diameter (inches)		40.00
Bundle length (inches)		31.50
Bundle type		U
Bundle type (inches)		6000/1000
Tube		10
Tube spacing (inches)		1.00
Tube length		800/800
Tube length (inches)		31.50

Performance					
Inlet water	Shell side inlet flow		Tube side		Water side inlet flow (gpm)
	50	75	100	125	
1	1000	1500	10.0	15.0	10
2	1000	1500	10.0	15.0	10
3	1000	1500	10.0	15.0	10
4	1000	1500	10.0	15.0	10

- |   |   |
|---|---|
| <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>The shell will come in with the longitudinal winding ribbon structure.</li> <li>Shell and tube material.</li> <li>The bundle will be of steel unless other material is used.</li> </ol> | <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>Performance at flow range of 10 GPM.</li> <li>See pressure drop in shell side, which may be used to determine energy input which will be required.</li> <li>Flow rate for bundle side can also be used. (1000 GPM, bundle length) which will be used to determine energy input which will be required.</li> </ol> |
|---|---|

## HW-180/NH

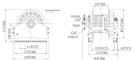


Specifications		HW-180/NH
Shell type for shell (inches)		7200/1000
Shell type for construction	Shell and tube (S/T)	Shell and tube
Bundle diameter (inches)		48.00
Bundle length (inches)		31.50
Bundle type		U
Bundle type (inches)		7200/1000
Tube		10
Tube spacing (inches)		1.00
Tube length		800/800
Tube length (inches)		31.50

Performance					
Inlet water	Shell side inlet flow		Tube side		Water side inlet flow (gpm)
	50	75	100	125	
1	1000	1500	10.0	15.0	10
2	1000	1500	10.0	15.0	10
3	1000	1500	10.0	15.0	10
4	1000	1500	10.0	15.0	10

- |   |   |
|---|---|
| <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>The shell will come in with the longitudinal winding ribbon structure.</li> <li>Shell and tube material.</li> <li>Shell and tube material.</li> <li>The bundle will be of steel unless other material is used.</li> </ol> | <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>Performance at flow range of 10 GPM.</li> <li>See pressure drop in shell side, which may be used to determine energy input which will be required.</li> <li>Flow rate for bundle side can also be used. (1000 GPM, bundle length) which will be used to determine energy input which will be required.</li> </ol> |
|---|---|

## FW-004NH



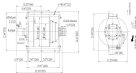
Specifications	
Extinguisher Brand / Model	000001
Extinguisher fire classification	1A:1.2A
Working pressure(MPa) (psid/Bar)	0.01/0
Extinguishing agent	CO <sub>2</sub>
Capacity	0.4L
Maximum weight (kg/lbs)	0.8/1.7
Height	100
Maximum operating time	10
Net weight	0.41/0.90/0.90
Net weight (kg) (kg/lbs) (net weight)	0.41/0.90

Dimensions						
Extinguisher model	Maximum width (mm)		Total height		Net weight (kg/lbs) (net weight)	
	Top	Bottom	Top	Bottom	Top	Bottom
FW-004NH	147	147	100	100	0.41	0.90
FW-004NH	147	147	100	100	0.41	0.90
FW-004NH	147	147	100	100	0.41	0.90
FW-004NH	147	147	100	100	0.41	0.90
FW-004NH	147	147	100	100	0.41	0.90

- Notes:**
- The unit will come in case of the extinguisher including other accessories.
  - The dimensions shown are for reference only. All dimensions are subject to change without notice.
  - The net weight and gross weight are subject to change without notice.

- Notes:**
- Recommended to fire extinguisher at 30 degrees.
  - The distance shown is for reference only. All dimensions are subject to change without notice.
  - The net weight and gross weight are subject to change without notice.
  - The net weight and gross weight are subject to change without notice.

## FW-1004NH



Specifications	
Extinguisher Brand / Model	000001
Extinguisher fire classification	1A:1.2A
Working pressure(MPa) (psid/Bar)	0.01/0
Extinguishing agent	CO <sub>2</sub>
Capacity	0.4L
Maximum weight (kg/lbs)	0.8/1.7
Height	147
Maximum operating time	10
Net weight	0.41/0.90/0.90
Net weight (kg) (kg/lbs) (net weight)	0.41/0.90

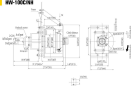
Dimensions						
Extinguisher model	Maximum width (mm)		Total height		Net weight (kg/lbs) (net weight)	
	Top	Bottom	Top	Bottom	Top	Bottom
FW-1004NH	147	147	147	147	0.41	0.90
FW-1004NH	147	147	147	147	0.41	0.90
FW-1004NH	147	147	147	147	0.41	0.90
FW-1004NH	147	147	147	147	0.41	0.90
FW-1004NH	147	147	147	147	0.41	0.90

- Notes:**
- The unit will come in case of the extinguisher including other accessories.
  - The dimensions shown are for reference only. All dimensions are subject to change without notice.
  - The net weight and gross weight are subject to change without notice.

- Notes:**
- Recommended to fire extinguisher at 30 degrees.
  - The distance shown is for reference only. All dimensions are subject to change without notice.
  - The net weight and gross weight are subject to change without notice.



## HW-100C/1H

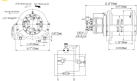


Specifications		Model
Full load power (kW)		0.075/0.1
Full load speed (rpm)		1420/1500
Efficiency (%)		80/85
Power factor		0.85
Motor type (IEC class)		IEC Class B
Insulation class		F
Motor type (NEMA class)		1
Motor frame		56/63/71/80
Motor dimensions (mm)		100

Specifications						
Motor type	Full load speed (rpm)		Efficiency (%)		Motor type (NEMA class)	
	50 Hz	60 Hz	50 Hz	60 Hz	1	2
1	1420	1500	80	85	1	1
2	1420	1500	80	85	2	2
3	1420	1500	80	85	3	3
4	1420	1500	80	85	4	4
5	1420	1500	80	85	5	5

- | Notes                                    | Notes                                    |
|--|--|
| 1. The motor is designed for indoor use. | 1. Recommended for indoor use.           |
| 2. The motor is designed for indoor use. | 2. The motor is designed for indoor use. |
| 3. The motor is designed for indoor use. | 3. The motor is designed for indoor use. |
| 4. The motor is designed for indoor use. | 4. The motor is designed for indoor use. |
| 5. The motor is designed for indoor use. | 5. The motor is designed for indoor use. |

## MCR30

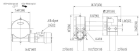


Specifications		Model
Full load power (kW)		0.075/0.1
Full load speed (rpm)		1420/1500
Efficiency (%)		80/85
Power factor		0.85
Motor type (IEC class)		IEC Class B
Insulation class		F
Motor type (NEMA class)		1
Motor frame		56/63/71/80
Motor dimensions (mm)		100

Specifications						
Motor type	Full load speed (rpm)		Efficiency (%)		Motor type (NEMA class)	
	50 Hz	60 Hz	50 Hz	60 Hz	1	2
1	1420	1500	80	85	1	1
2	1420	1500	80	85	2	2
3	1420	1500	80	85	3	3

- | Notes                                    | Notes                                    |
|--|--|
| 1. The motor is designed for indoor use. | 1. Recommended for indoor use.           |
| 2. The motor is designed for indoor use. | 2. The motor is designed for indoor use. |
| 3. The motor is designed for indoor use. | 3. The motor is designed for indoor use. |
| 4. The motor is designed for indoor use. | 4. The motor is designed for indoor use. |
| 5. The motor is designed for indoor use. | 5. The motor is designed for indoor use. |

## NWH 5000



### Specifications

Max. open line pipe diameter	100 mm
Max. open line pipe length (max)	100 m
Working pressure (bar) (max)	10 bar
Working pressure (bar)	5 bar
Max. flow rate (m <sup>3</sup> /hr)	100 m <sup>3</sup> /hr
Weight (kg)	10 kg
Max. open line diameter (mm)	100
Max. open line length (m)	100
Max. weight (kg)	10
Max. installation and use temp. (°C)	100 ± 2

### Dimensions

Line size (mm)	Main body and pipe type		Accessories		Max. open working line type	
	W	H	W	H	W	H
100	140	140	100	100	100	100
150	140	140	100	100	100	100
200	140	140	100	100	100	100
250	140	140	100	100	100	100

### Material of valves

Body	Cast iron
	Cast steel
	Cast aluminum

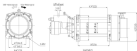
### Accessories

- The valve will never be used for high-pressure or highly elastic liquids.
- It is not suitable for use in the following cases:
- It is not suitable for use in the following cases:

### Notes

- Recommended for use in the range of 0-100°C.
- Block handles are available in brass, cast iron and cast aluminum.

## NWH 5000



### Specifications

Max. open line pipe diameter	100 mm
Max. open line pipe length (max)	100 m
Working pressure (bar) (max)	10 bar
Working pressure (bar)	5 bar
Max. flow rate (m <sup>3</sup> /hr)	100 m <sup>3</sup> /hr
Weight (kg)	10 kg
Max. open line diameter (mm)	100
Max. open line length (m)	100
Max. weight (kg)	10
Max. installation and use temp. (°C)	100 ± 2

### Dimensions

Line size (mm)	Main body and pipe type		Accessories		Max. open working line type	
	W	H	W	H	W	H
100	140	140	100	100	100	100
150	140	140	100	100	100	100
200	140	140	100	100	100	100
250	140	140	100	100	100	100

### Material of valves

Body	Cast iron
	Cast steel
	Cast aluminum

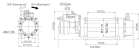
### Accessories

- The valve will never be used for high-pressure or highly elastic liquids.
- It is not suitable for use in the following cases:
- It is not suitable for use in the following cases:

### Notes

- Recommended for use in the range of 0-100°C.
- Block handles are available in brass, cast iron and cast aluminum.

## NH1000



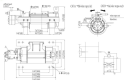
Specifications	
Rated power (kW)	1000.0
Rated power (hp)	1361.0
Rated speed (rpm)	1500.0
Rated torque (Nm)	63.7
Rated current (A)	27.0
Efficiency (%)	90.0
Power factor	0.85
Weight (kg)	100.0
Weight (lb)	220.5
Weight (kg)	100.0
Weight (lb)	220.5

Specifications					
Speed (rpm)	Rated power (kW)	Rated power (hp)	Rated torque (Nm)	Rated current (A)	Weight (kg)
1500	1000	1361	63.7	27.0	100
1800	1000	1361	52.3	22.5	100
2100	1000	1361	44.2	19.0	100
2400	1000	1361	37.1	16.0	100
2700	1000	1361	31.0	14.0	100

Specifications	
Weight (kg)	100.0
Weight (lb)	220.5

- Notes:**
- The unit will cover the need for both single and three phase applications.
  - Rated torque values are shown when the unit is independent of speed control when not used.
  - The unit will cover the need for both single and three phase applications.
  - Rated torque values are shown when the unit is independent of speed control when not used.

## NH-040/5H



Specifications	
Rated power (kW)	400.0
Rated power (hp)	536.9
Rated speed (rpm)	1500.0
Rated torque (Nm)	26.1
Rated current (A)	10.0
Efficiency (%)	90.0
Power factor	0.85
Weight (kg)	40.0
Weight (lb)	88.2
Weight (kg)	40.0
Weight (lb)	88.2

Specifications					
Speed (rpm)	Rated power (kW)	Rated power (hp)	Rated torque (Nm)	Rated current (A)	Weight (kg)
1500	400	537	26.1	10.0	40
1800	400	537	21.7	8.3	40
2100	400	537	18.2	7.0	40
2400	400	537	15.5	6.0	40
2700	400	537	13.4	5.2	40

- Notes:**
- The unit will cover the need for both single and three phase applications.
  - Rated torque values are shown when the unit is independent of speed control when not used.
  - The unit will cover the need for both single and three phase applications.
  - Rated torque values are shown when the unit is independent of speed control when not used.

