

HIDRO PUMP CATALOGUE

MD & HD SERIES SLURRY PUMPS 1000 VOLTS

50 Hz

STANDARD

SLURRY STANDARD PUMPS 1000V

At Hidro Pumps, we provide expertly designed equipment that offers practical and efficient solutions for a vast range of pumping applications. Our strength lies in our ability to deliver superior technology that solves complex fluid management challenges. Every product in our portfolio is a testament to our core principles of precision, power, and innovation, ensuring you receive a reliable and high-performance solution tailored to your specific operational needs.

Our comprehensive product range are engineered to perform in the most demanding industrial environments.

Designed for robust and efficient water removal, our dewatering pumps are essential for maintaining dry and safe conditions in construction sites, mines, and municipal works. These pumps are built to handle high volumes of water, even with light abrasives, providing dependable performance when you need it most.

Products

Slurry Pumps MD Series

Flow: from 4l/s up to 120 l/s

Height: from 8m up to 50m

Voltage: 1000v

Up to: 60% solids

Standard version



Bronco
2MD

Bronco
3MD

Bronco
5MD

Bronco
7MD

Bronco
9MD

Bronco
17MD

Bronco
33MD

Bronco
66MD

Bronco
99MD

Slurry Pumps HD Series

Flow: from 4l/s up to 120 l/s

Height: from 8m up to 50m

Voltage: 1000v

Up to: 60% solids

Standard version



Bronco
33HD

Bronco
66HD

Bronco
99HD

Bronco
P650

Contact Your Local Dowdens Account Manager

MACKAY (Head Office)

9-15 Industrial St, Mackay Qld 4740
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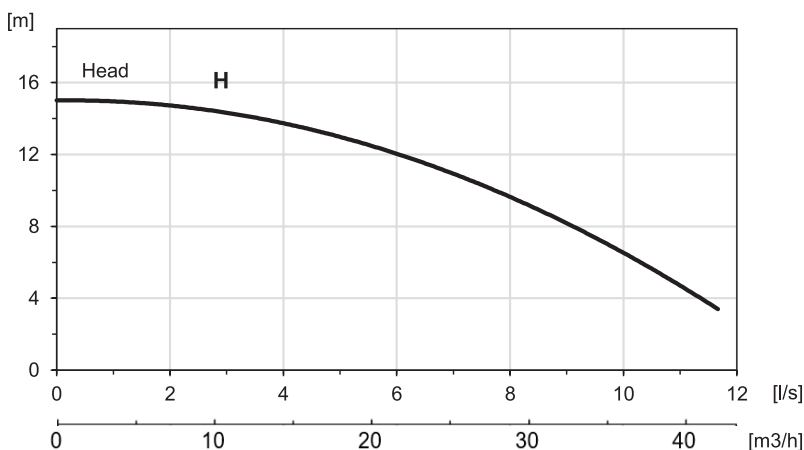
STANDARD



*Reference image

Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	MD
Power, [kW / HP]	1.8 / 2.5
Voltage, V	1000
Nominal current, A	1.6
Weight, kg	32
Max. height, mm	350
Max. width, mm	250
Discharge, in.	2"
Strainer opening Ø, mm	10

**Models**

MD: Medium Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 2950 RPM

Insulation class: H

Start: Direct

Max. number of starts per hour: 12

Motor protection

Three-phase squirrel cage motor.

Protection: IP 68

Cable4Gx2.5mm² + 2x1mm², 20m^(*)**Mechanical seals**

Mechanical seal in oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Bearings

Deep groove ball bearing C3.

Discharge connection

2"

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

External cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless Steel

Volute: Cast iron + PU

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

*Specifications are subject to change without notice.

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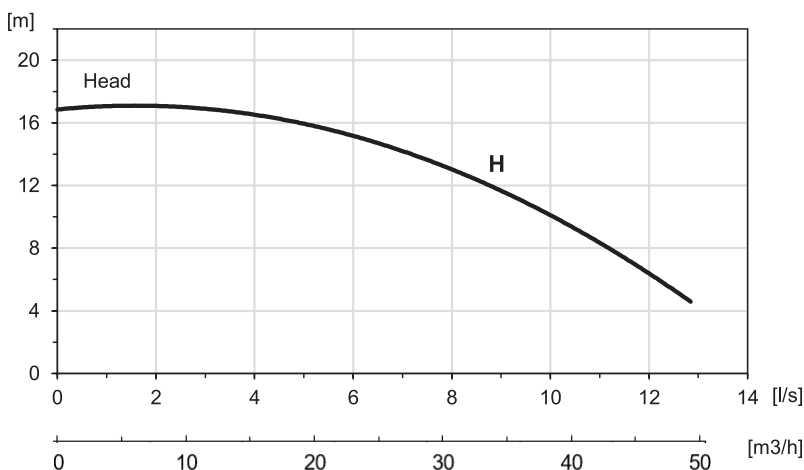
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STANDARD



Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	MD
Power, [kW / HP]	2.6 / 3.5
Voltage, V	1000
Nominal current, A	2.2
Weight, kg	38
Max. height, mm	360
Max. width, mm	255
Discharge, in.	2"
Strainer opening Ø, mm	15

**Models**

MD: Medium Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 2950 RPM

Insulation class: H

Start: Direct

Max. number of starts per hour: 12

Motor protection

Three-phase squirrel cage motor.

Protection: IP 68

Cable

4Gx2.5mm² + 2x1mm², 20m^(*)

Mechanical seals

Mechanical seal in oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Bearings

Deep groove ball bearing C3.

Discharge connection

2"

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

External cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless Steel

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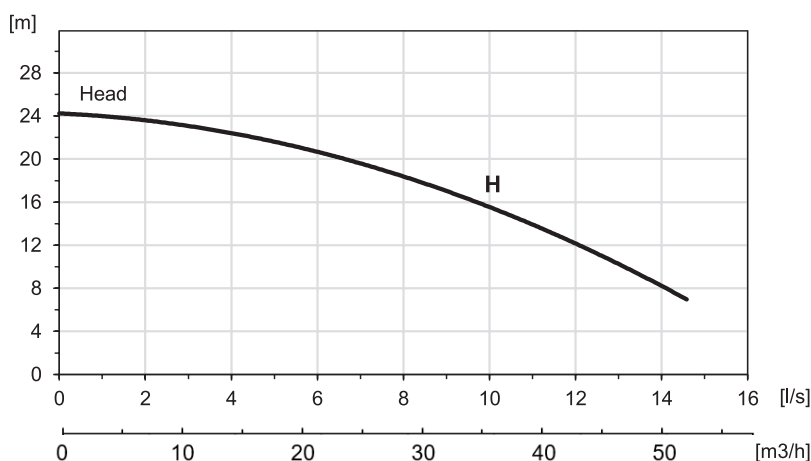
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STANDARD



Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	MD
Power, [kW / HP]	3.7 / 5
Voltage, V	1000
Nominal current, A	2.9
Weight, kg	46
Max. height, mm	380
Max. width, mm	265
Discharge, in.	3"
Strainer opening Ø, mm	18

**Models**

MD: Medium Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 2950 RPM

Insulation class: H

Start: Direct

Max. number of starts per hour: 12

Motor protection

Three-phase squirrel cage motor.

Protection: IP 68

Cable

4Gx2.5mm² + 2x1mm², 20m^(*)

Mechanical seals

Mechanical seal in oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Bearings

Deep groove ball bearing C3.

Discharge connection

3"

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

External cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless Steel

Volute: Cast iron + PU

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

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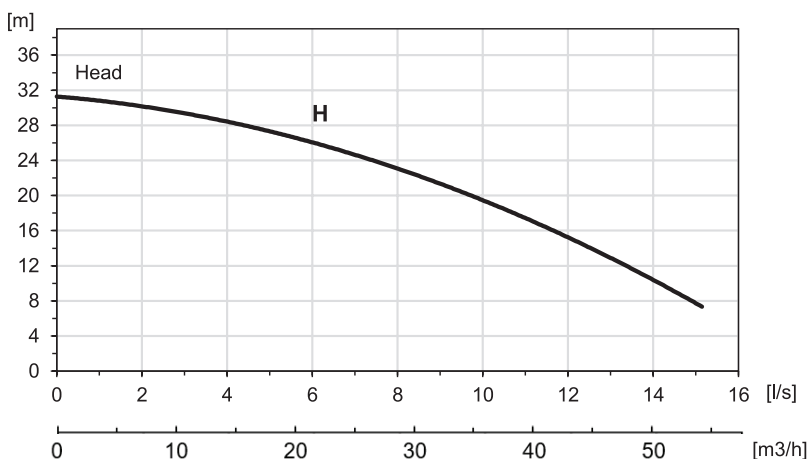
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Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	MD
Power, [kW / HP]	5.5 / 7.5
Voltage, V	1000
Nominal current, A	4.4
Weight, kg	53
Max. height, mm	415
Max. width, mm	290
Discharge, in.	3"
Strainer opening Ø, mm	22

**Models**

MD: Medium Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 2950 RPM

Insulation class: H

Start: Direct

Max. number of starts per hour: 12

Motor protection

Three-phase squirrel cage motor.

Protection: IP 68

Cable4Gx2.5mm² + 2x1mm², 20m^(*)**Mechanical seals**

Mechanical seal in oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Bearings

Deep groove ball bearing C3.

Discharge connection

3"

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

External cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless Steel

Volute: Cast iron + PU

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

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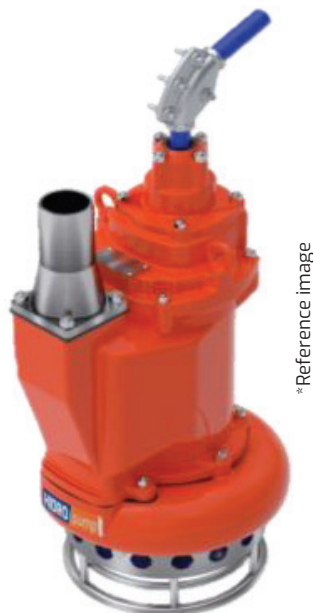
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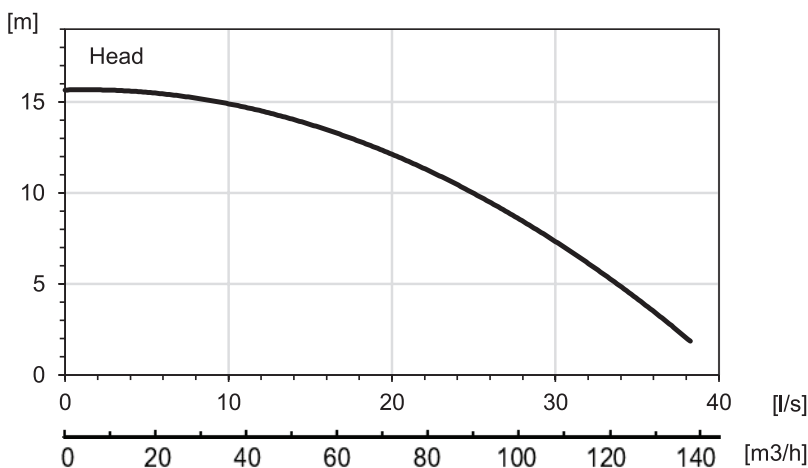
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Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	MD
Power, [kW / HP]	5.6 / 7.5
Voltage, V	1000
Nominal current, A	4.5
Weight, kg	151
Max. height, mm	949
Max. width, mm	459
Discharge, in.	3" - 4"
Strainer opening Ø, mm	25.4

**Models**

MD: Medium Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 1450 RPM

Insulation class: H

Start: Direct

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

4Gx10mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Discharge connection

3" - 4" ^(*)

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless steel

Agitator: High chrome steel

Wear plate: High chrome steel

Cover suction: Cast iron

Casting/volute: Cast iron

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

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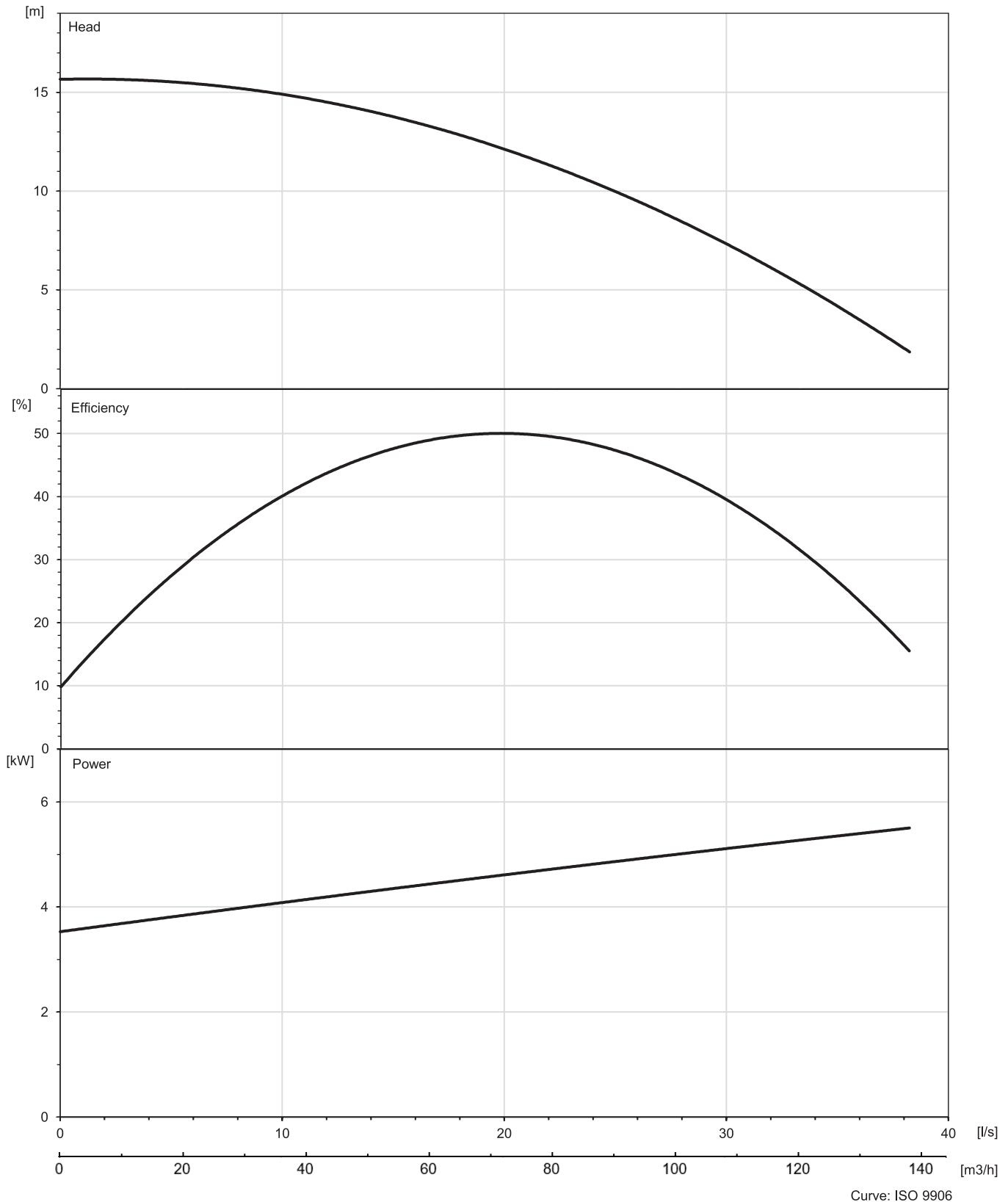
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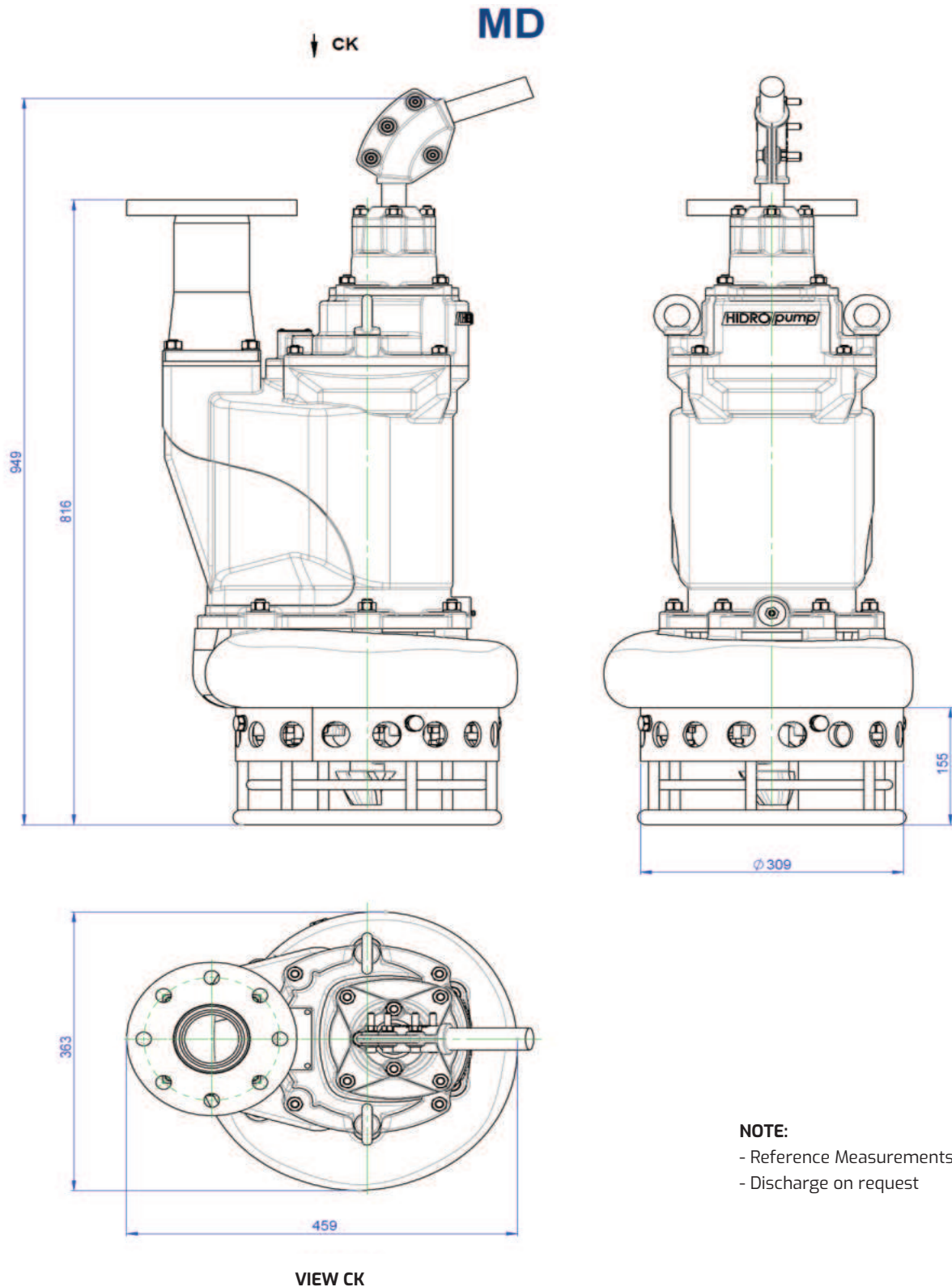
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NOTE:

- Reference Measurements
- Discharge on request

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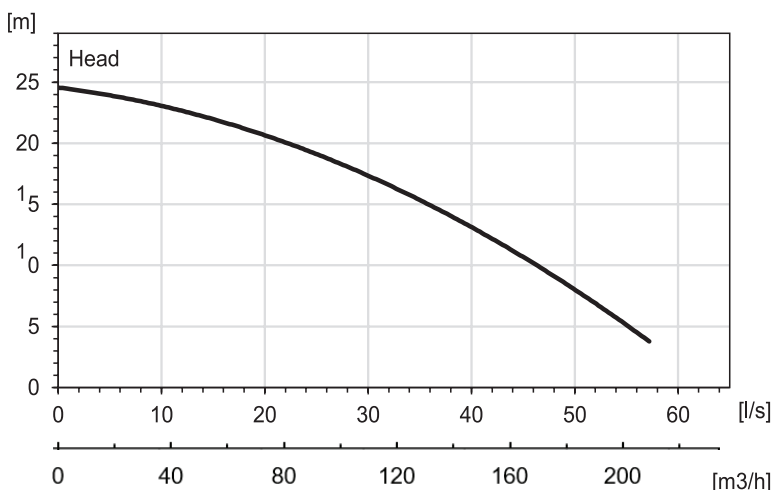
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STANDARD



Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	MD
Power, [kW / HP]	11 / 15
Voltage, V	1000
Nominal current, A	9
Weight, kg	303
Max. height, mm	1221
Max. width, mm	583
Discharge, in.	4"
Strainer opening Ø, mm	33

**Models**

MD: Medium Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 1450 RPM

Insulation class: H

Start: Direct

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

4Gx10mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Discharge connection

4" ^(*)

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless steel

Agitator: High chrome steel

Wear plate: High chrome steel

Cover suction: Cast iron

Casting/volute: Cast iron

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

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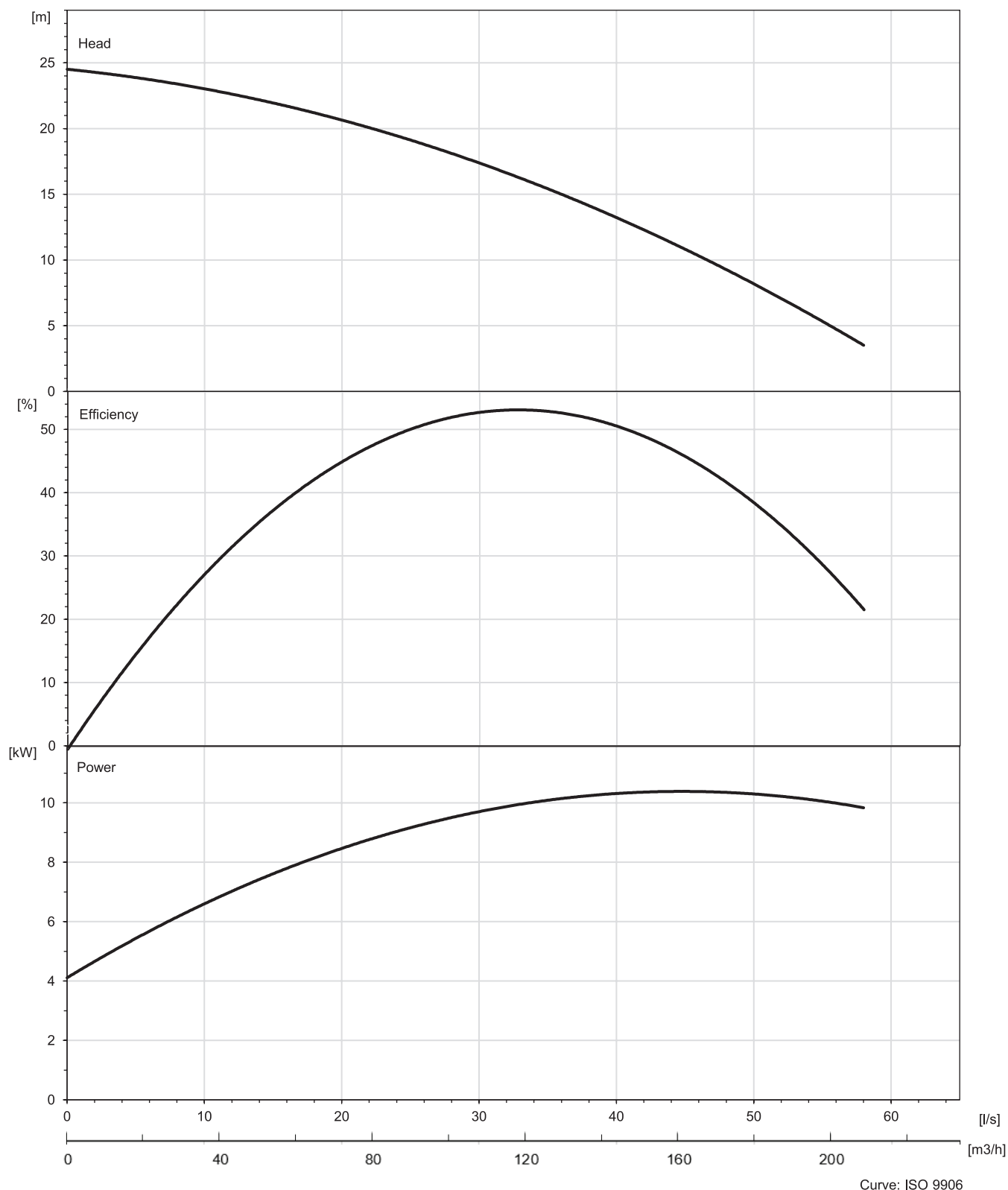
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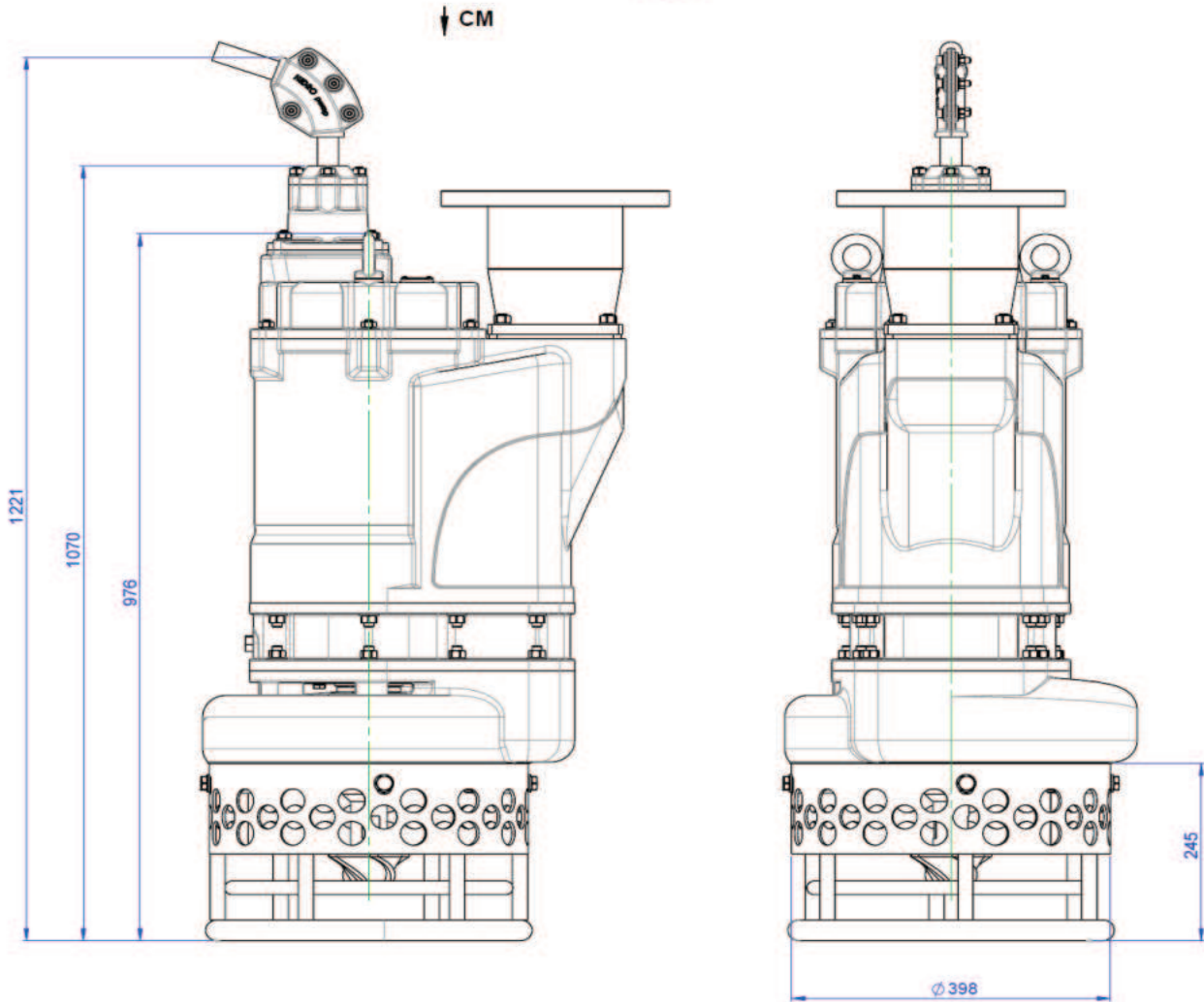
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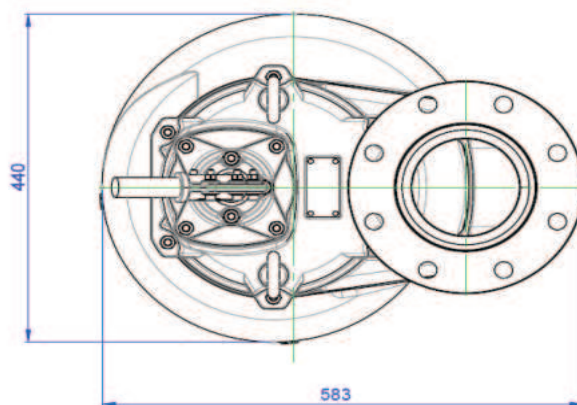
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MD



VIEW CM



NOTE:

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- Discharge on request

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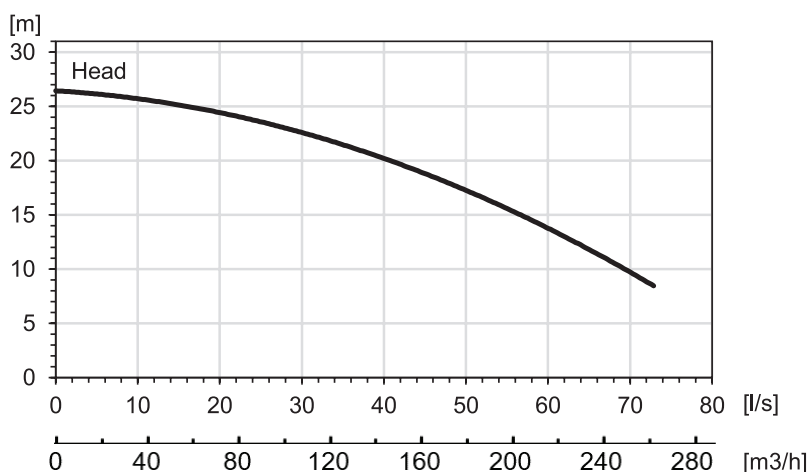
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STANDARD



Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	MD
Power, [kW / HP]	24.6 / 33
Voltage, V	1000
Nominal current, A	17.9
Weight, kg	520
Max. height, mm	1511
Max. width, mm	560
Discharge, in.	4" + 6"
Strainer opening Ø, mm	38



Models

MD: Medium Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 1450 RPM

Insulation class: H

Start: Direct

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

4Gx10mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Discharge connection

4" - 6" ^(*)

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless steel

Agitator: High chrome steel

Wear plate: High chrome steel

Cover suction: Cast iron

Casting/volute: Cast iron

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

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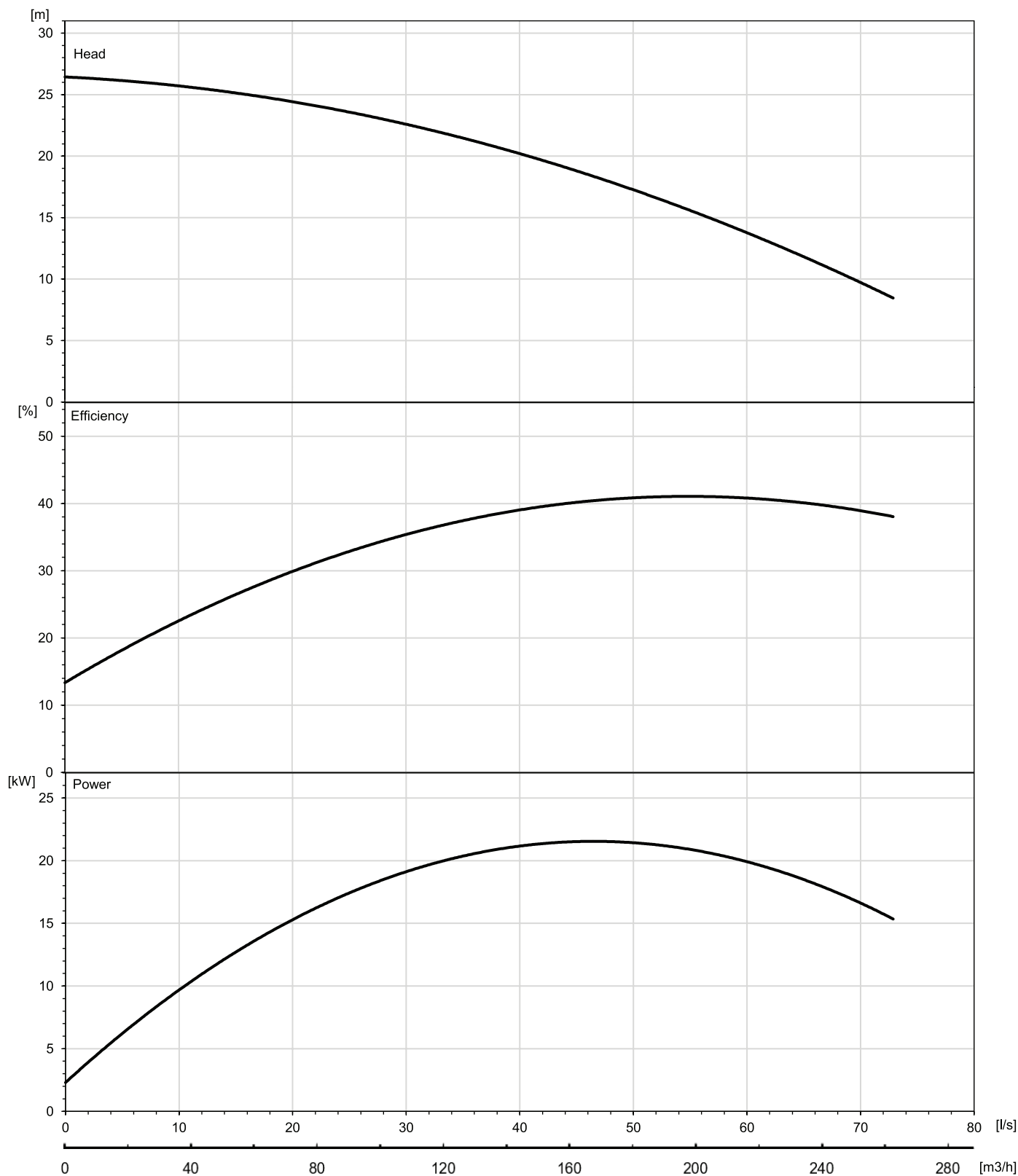
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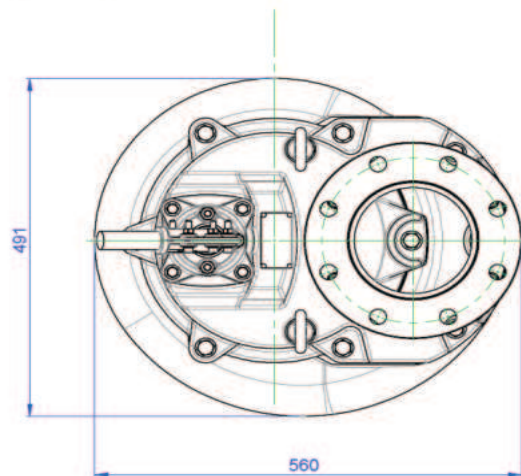
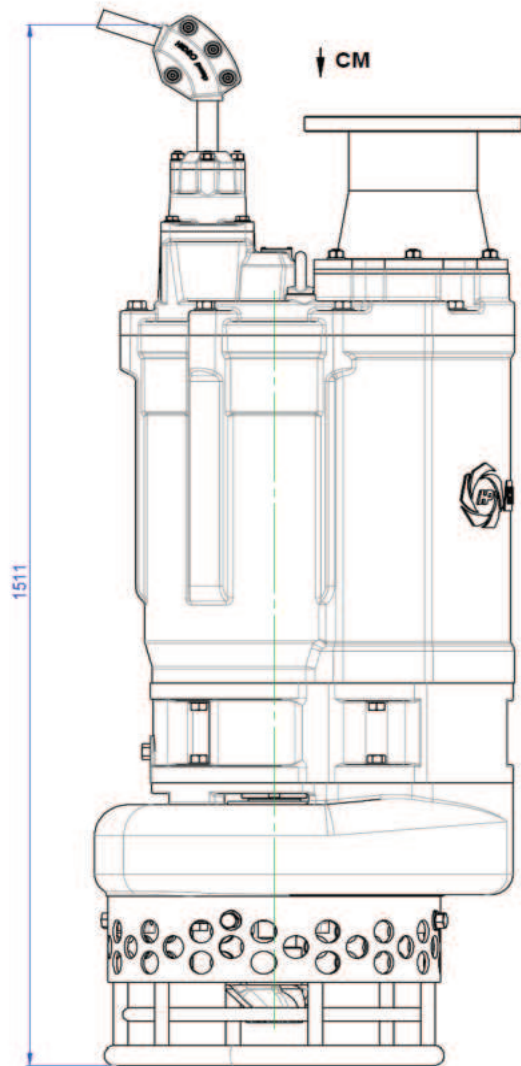
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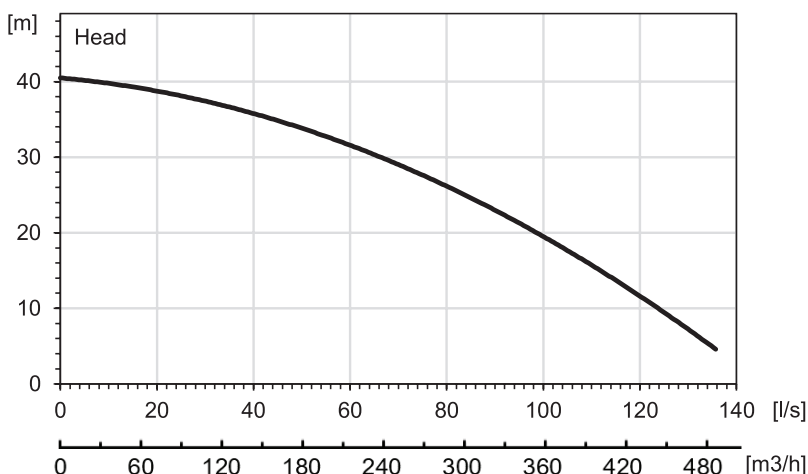
STANDARD



*Reference image

Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	MD
Power, [kW / HP]	47 / 63
Voltage, V	1000
Nominal current, A	44.5
Weight, kg	1100
Max. height, mm	1805
Max. width, mm	876
Discharge, in.	8"
Strainer opening Ø, mm	42

**Models**

MD: Medium Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 1450 RPM

Insulation class: H

Start: Star-Delta, Soft Starter

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

4Gx35mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Discharge connection

8" ^(*)

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless steel

Agitator: High chrome steel

Wear plate: High chrome steel

Cover suction: Cast iron

Casting/volute: Cast iron

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

^(*)Specifications are subject to change without notice.

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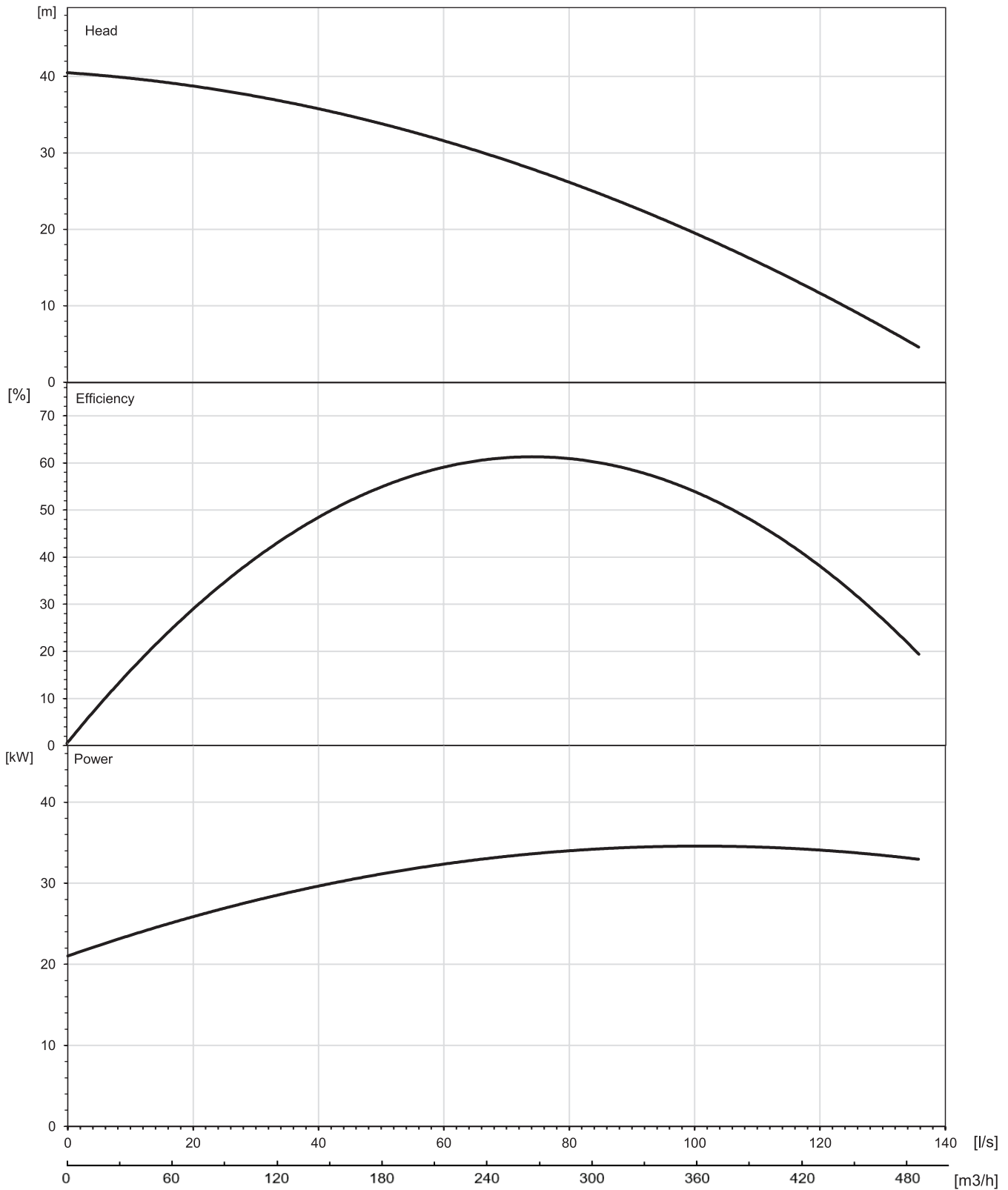
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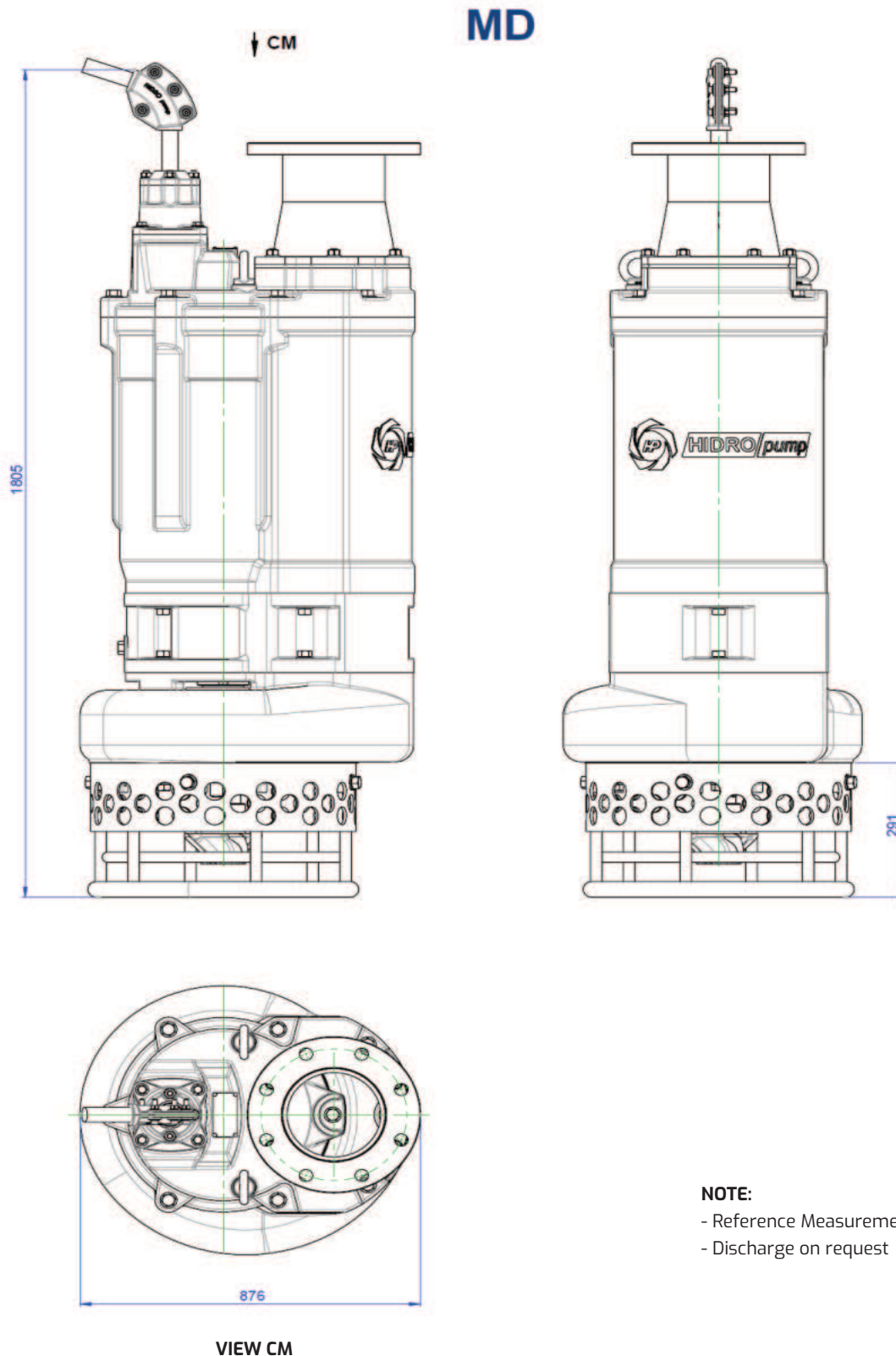
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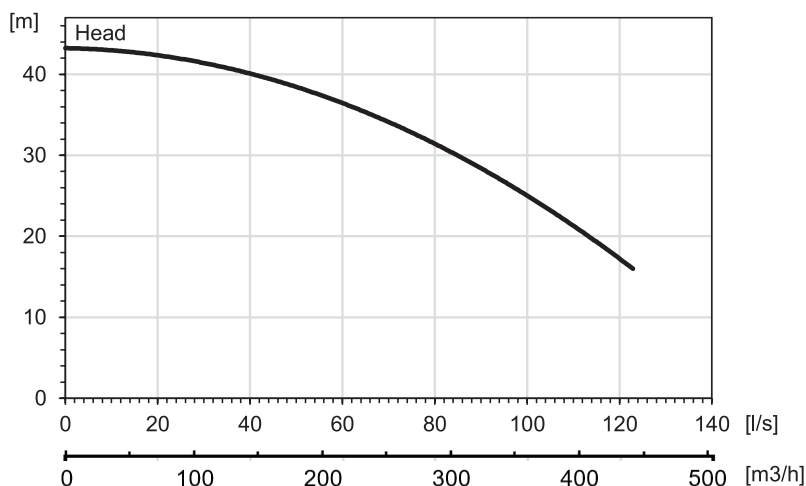
STANDARD



*Reference image

Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	MD
Power, [kW / HP]	60 / 80
Voltage, V	1000
Nominal current, A	57.4
Weight, kg	1215
Max. height, mm	1850
Max. width, mm	990
Discharge, in.	8"
Strainer opening Ø, mm	45



Models

MD: Medium Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 1450 RPM

Insulation class: H

Start: Star-Delta, Soft Starter

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

2 Cables 4Gx35mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Discharge connection

8" ^(*)

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless steel

Agitator: High chrome steel

Wear plate: High chrome steel

Cover suction: Cast iron

Casting/volute: Cast iron

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

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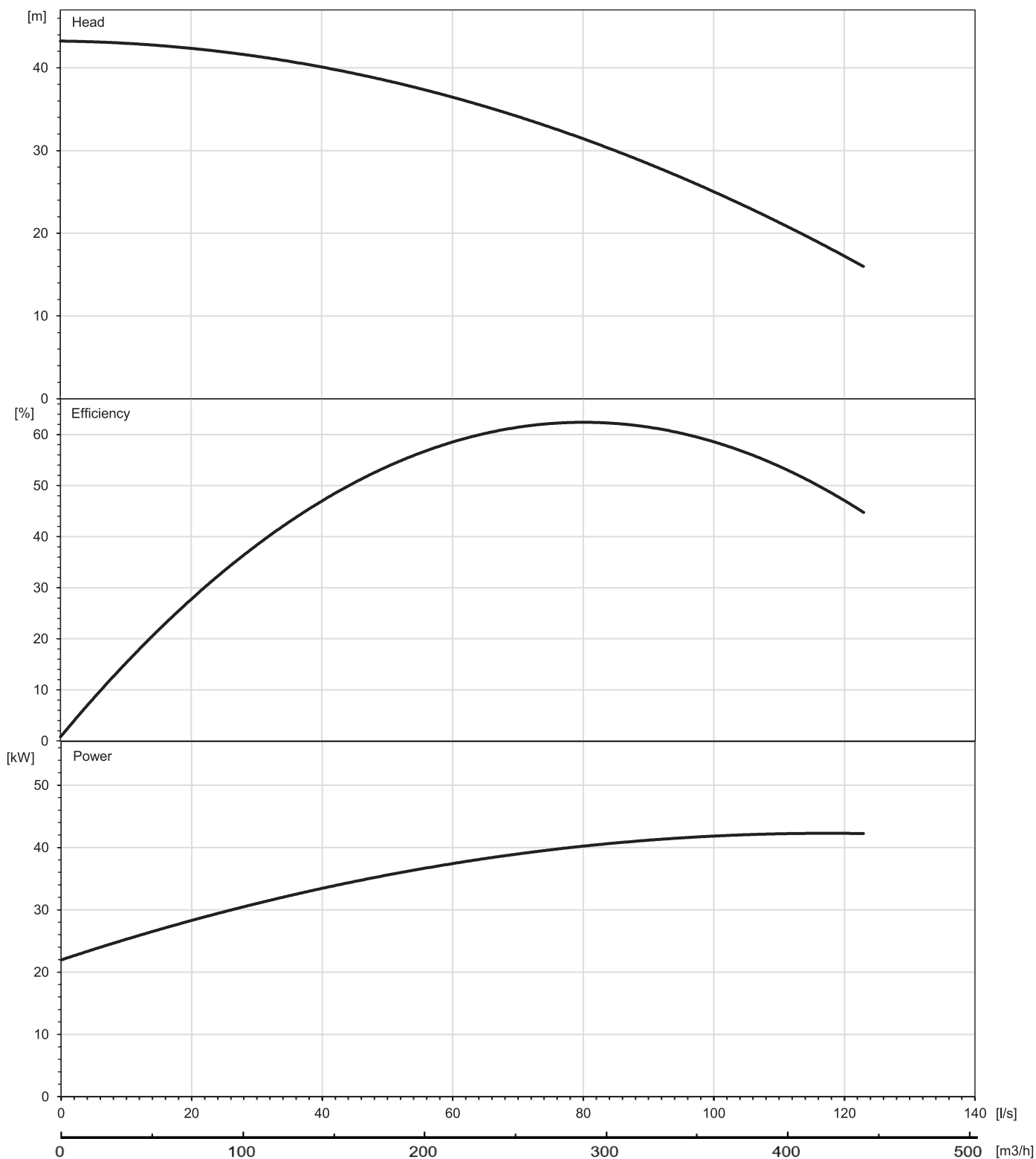
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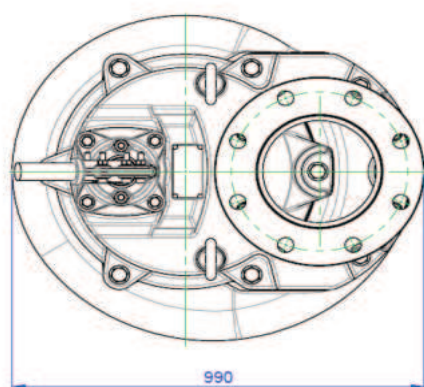
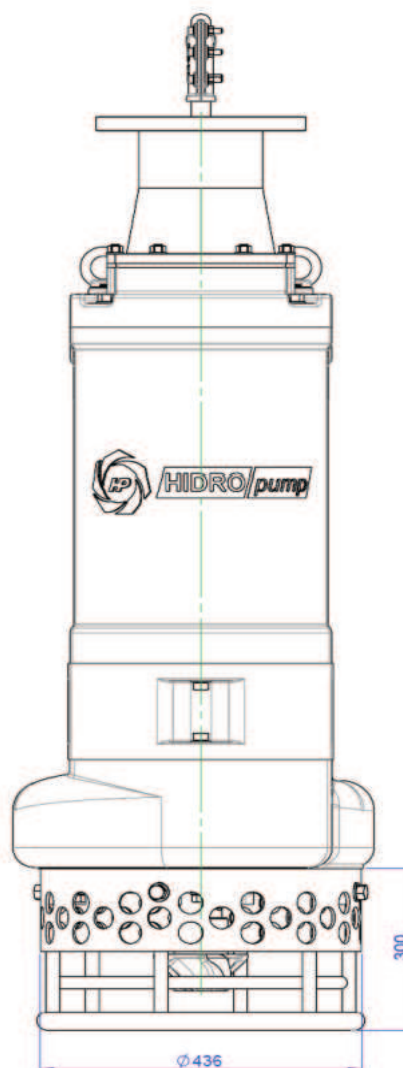
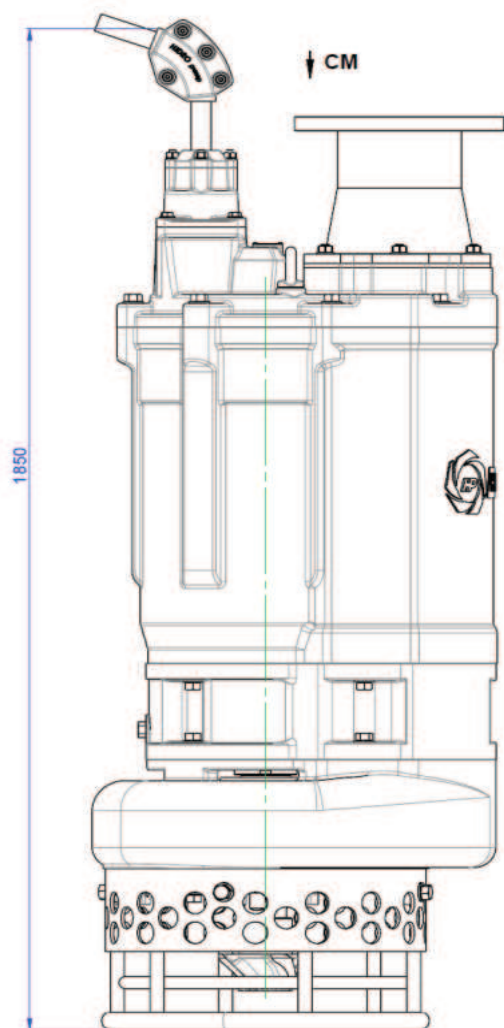
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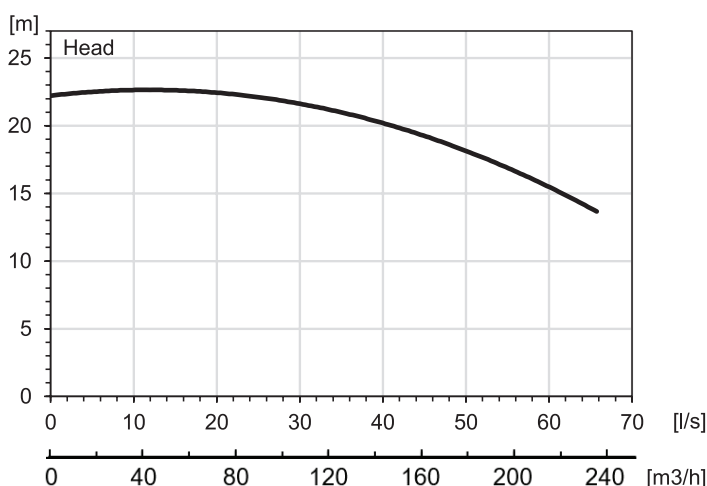
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STANDARD



Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	HD
Power, [kW / HP]	24.6 / 33
Voltage, V	1000
Nominal current, A	21.3
Weight, kg	520
Max. height, mm	1224
Max. width, mm	724
Discharge, in.	4"
Strainer opening Ø, mm	35



Models

HD: Heavy Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 985 RPM

Insulation class: H

Start: Direct, Star-Delta

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

2 cables 4Gx10mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double lip seals

Elastomers: Viton

Discharge connection

4" Flange ANSI 150 lb ^(*)

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless steel

Agitator: High chrome steel

Wear plate: High chrome steel

Cover suction: Cast iron

Casting/volute: High chrome steel

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

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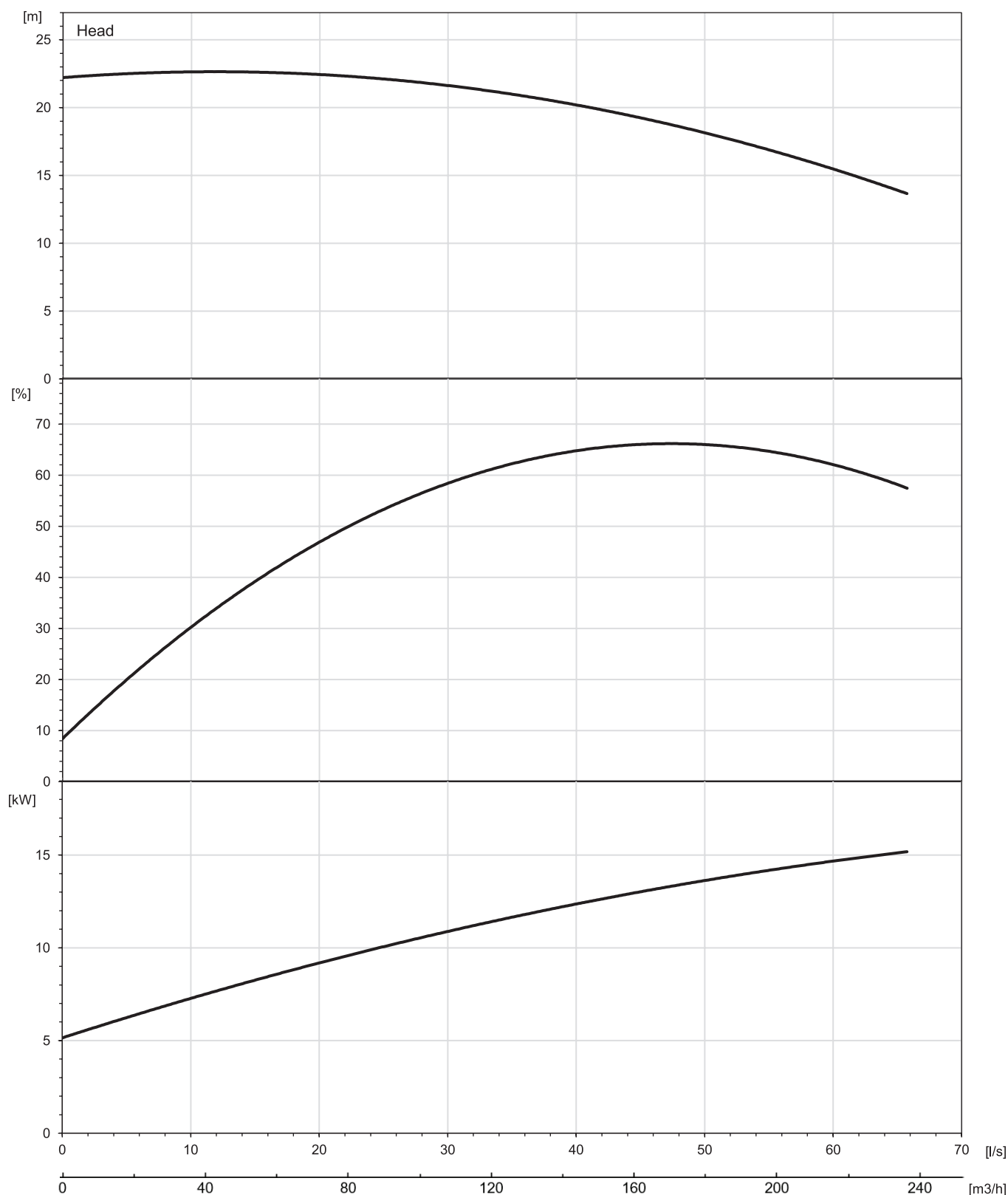
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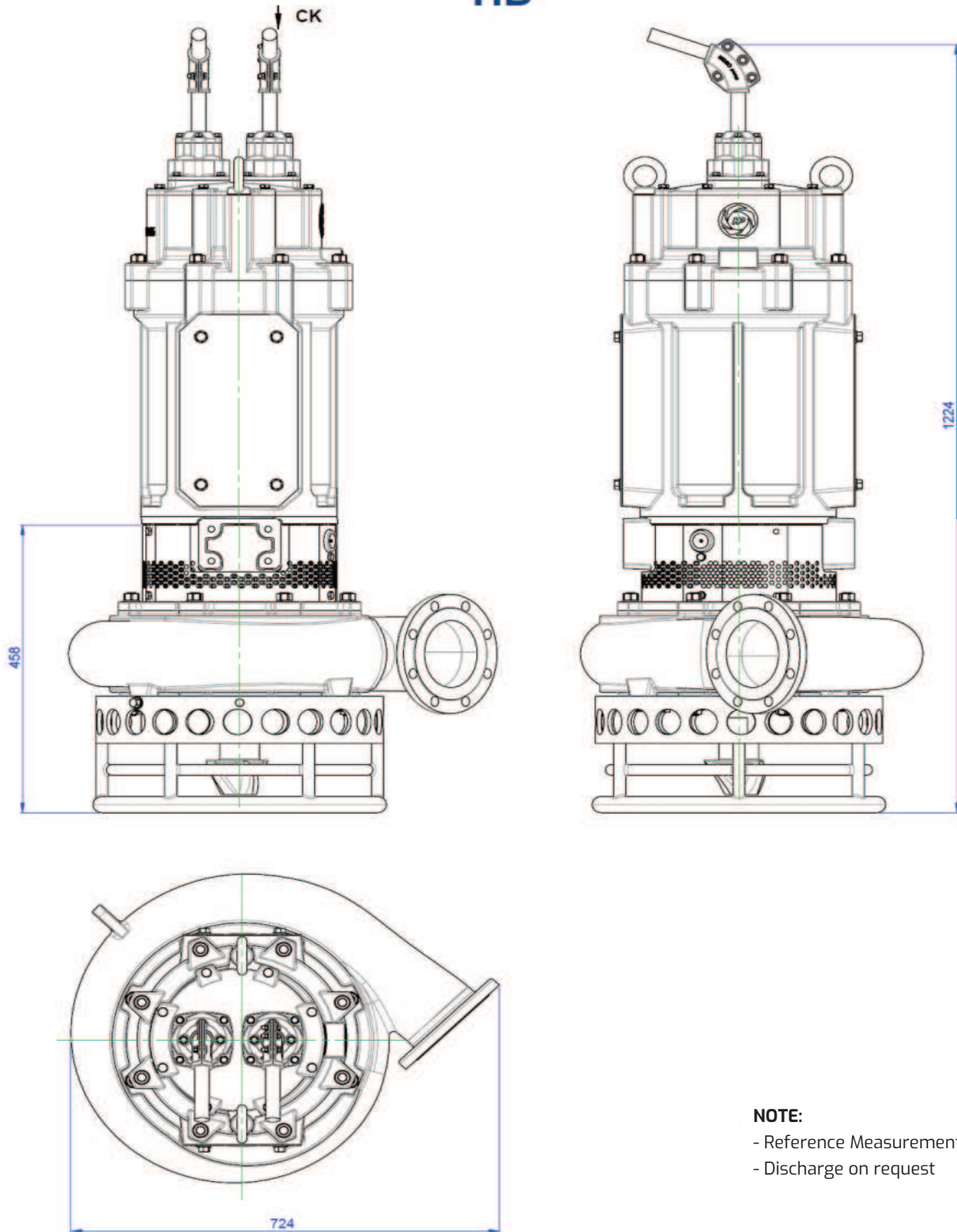
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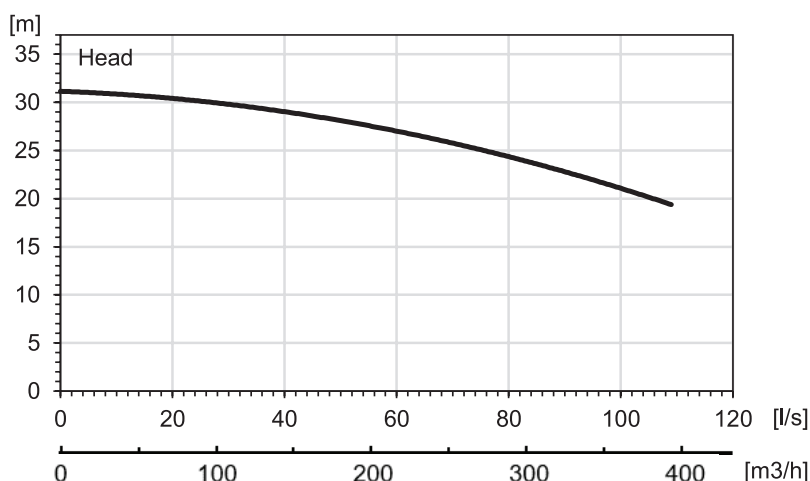
STANDARD



*Reference image

Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	HD
Power, [kW / HP]	45 / 60
Voltage, V	1000
Nominal current, A	36.5
Weight, kg	1095
Max. height, mm	1808
Max. width, mm	907
Discharge, in.	6"
Strainer opening Ø, mm	60



Models

HD: Heavy Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 989 RPM

Insulation class: H

Start: Star-Delta, Soft Starter

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

2 cables 4Gx16mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double lip seals

Elastomers: Viton

Discharge connection

6" Flange ANSI 150 lb ^(*)

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless steel

Agitator: High chrome steel

Wear plate: High chrome steel

Cover suction: Cast iron

Casting/volute: High chrome steel

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

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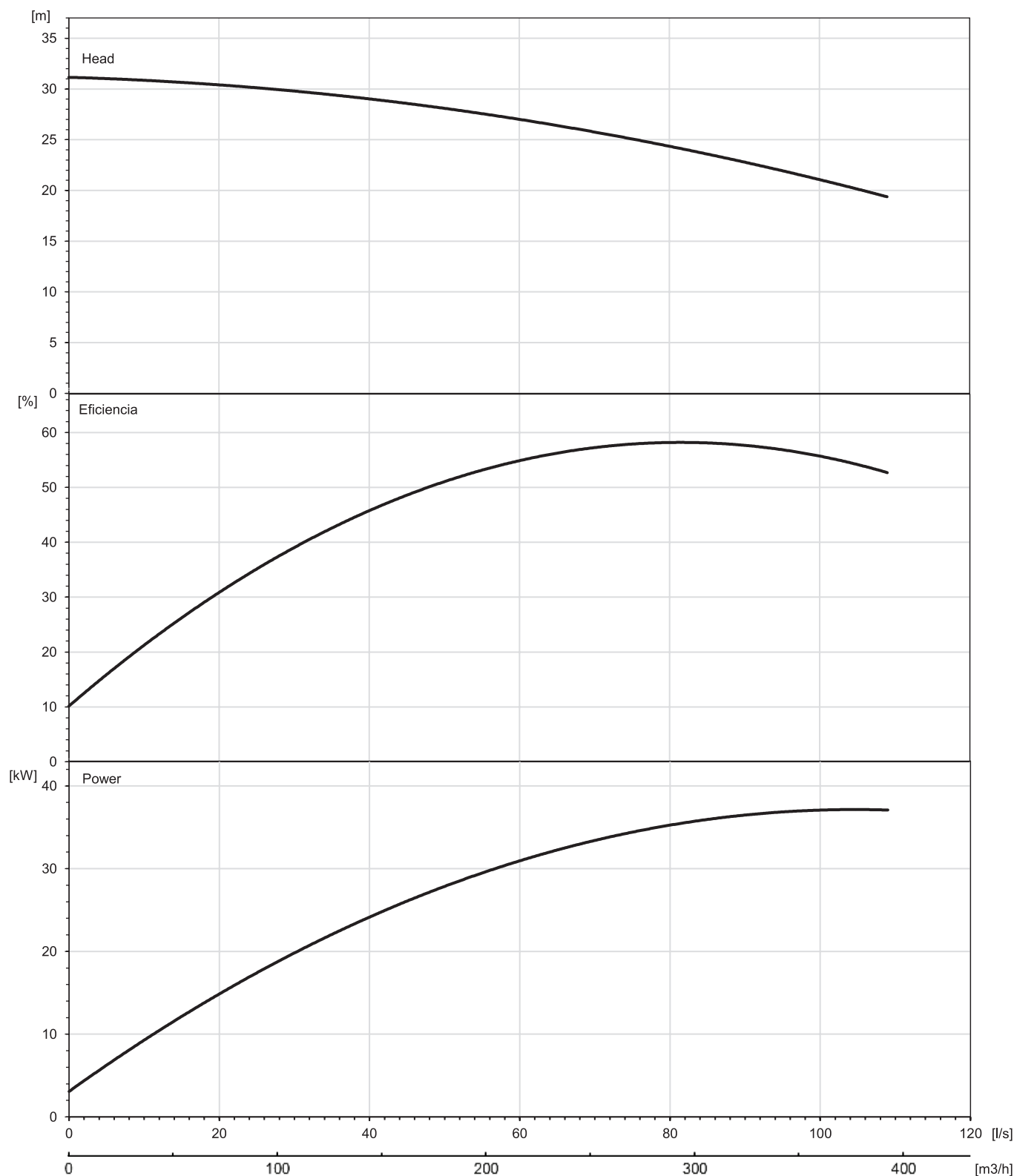
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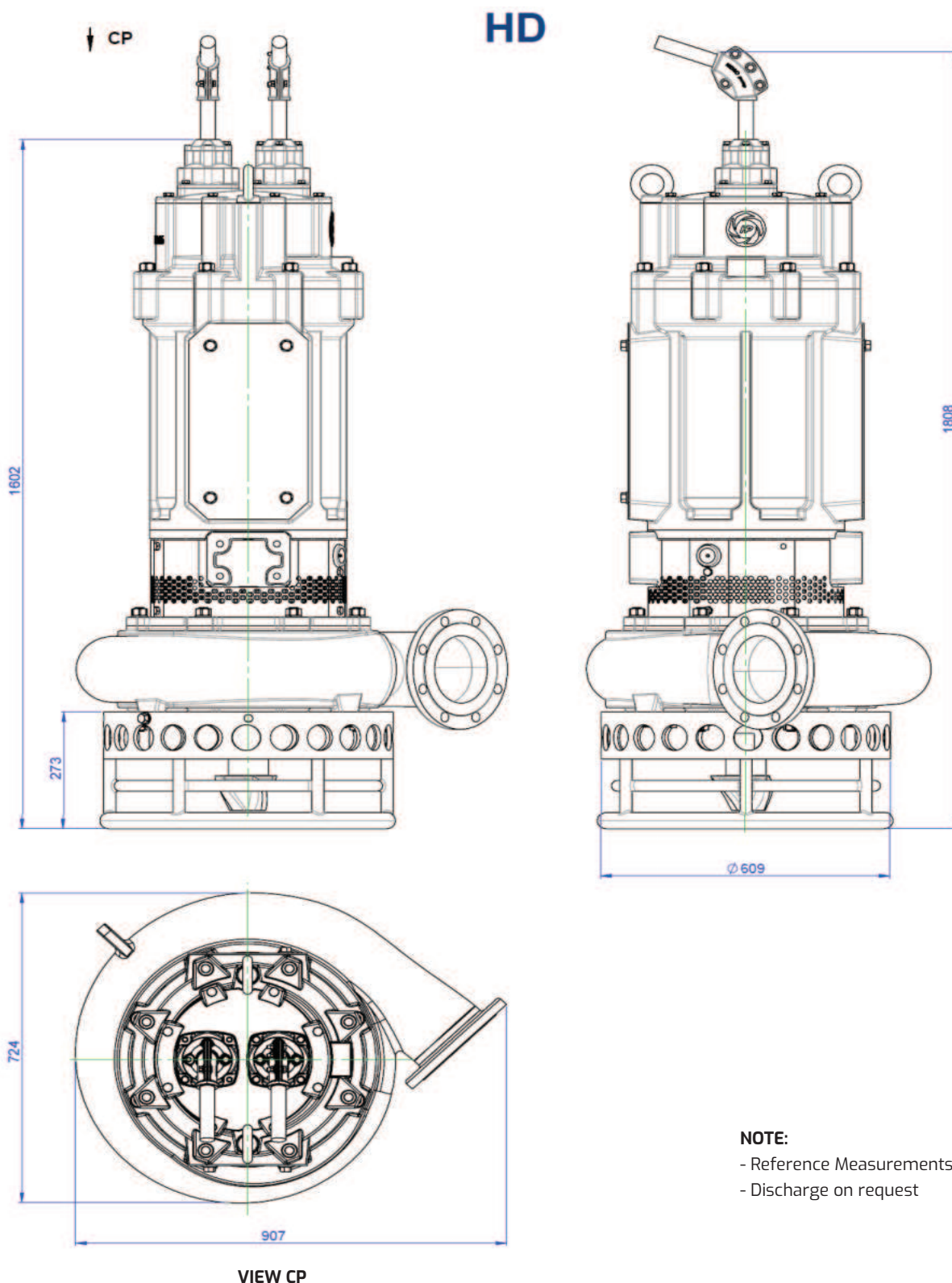
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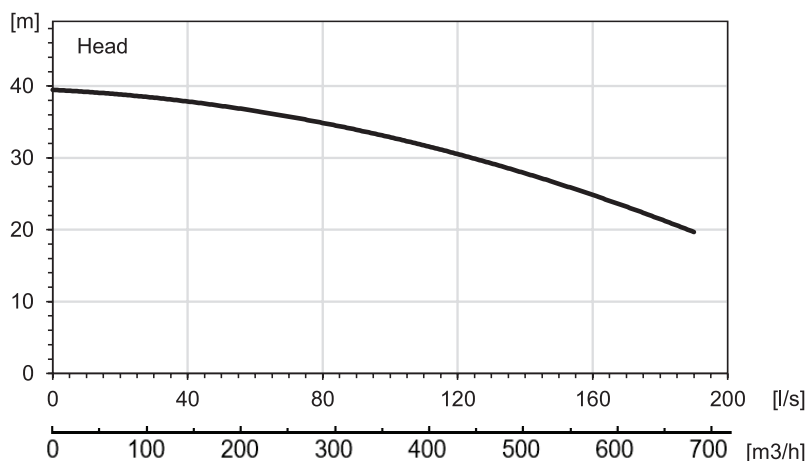
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STANDARD



Electric submersible slurry pump, available in various cast iron and stainless steel alloys. For applications in mines, and other industries to handle abrasive solids and slurries.

50 Hz	HD
Power, [kW / HP]	78 / 105
Voltage, V	1000
Nominal current, A	82.9
Weight, kg	1900
Max. height, mm	1875
Max. width, mm	1250
Discharge, in.	8"
Strainer opening Ø, mm	60



Models

HD: Heavy Duty

Classification

Submersible slurry pump

Electric motor

Three-phase squirrel cage motor.

Speed: 950 RPM

Insulation class: H

Start: Soft Starter

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

2 Cables 4Gx35mm² + 2 x 1.5mm², 20m^(*)

Mechanical seals

Double lip seals

Elastomers: Viton

Discharge connection

8" Flange ANSI 150 lb. ^(*)

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 6 - 11

Available materials

Cover: Cast iron

Strainer: Carbon steel

Impeller: High chrome steel / Stainless steel

Agitator: High chrome steel

Wear plate: High chrome steel

Cover suction: Cast iron

Casting/volute: High chrome steel

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

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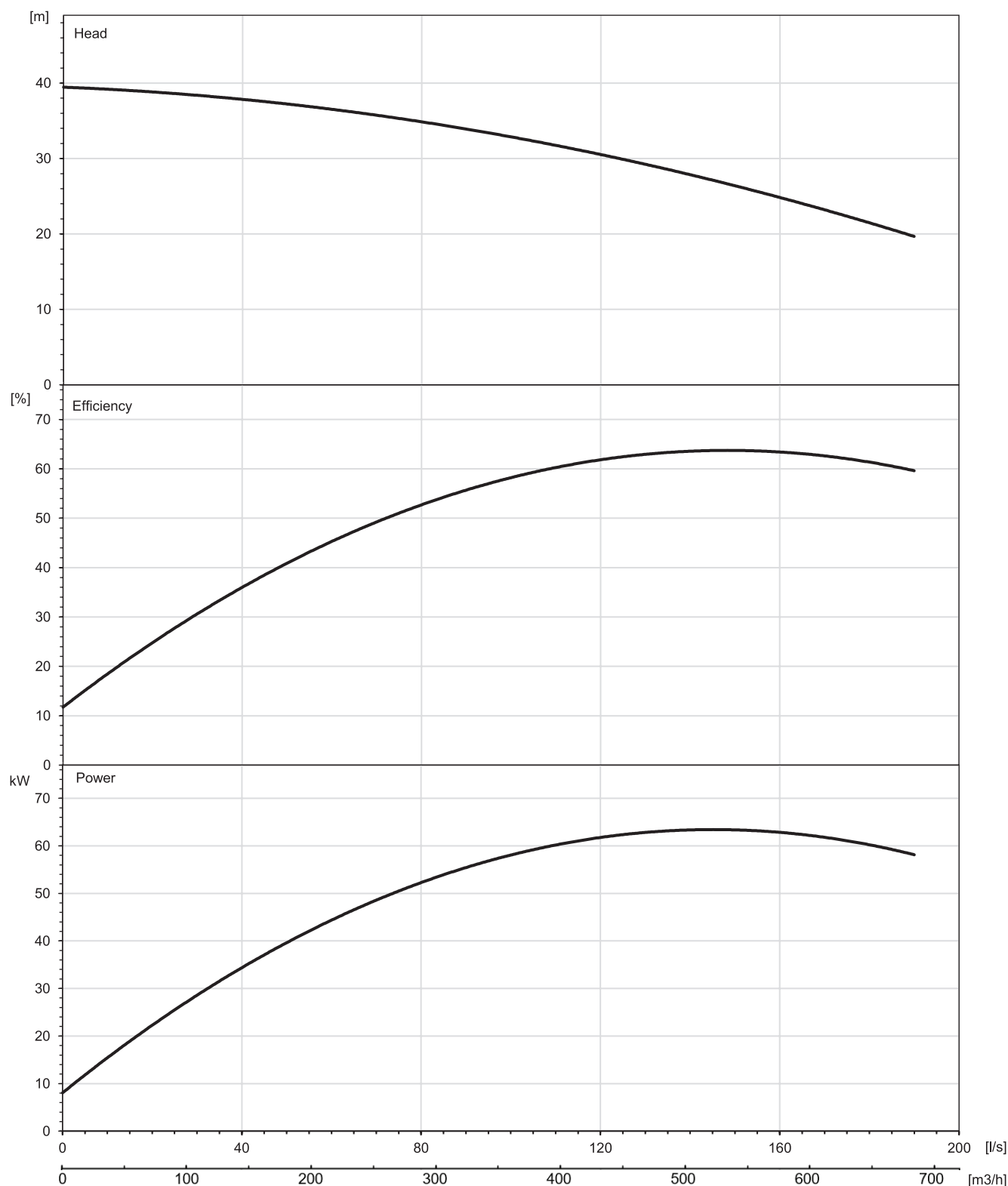
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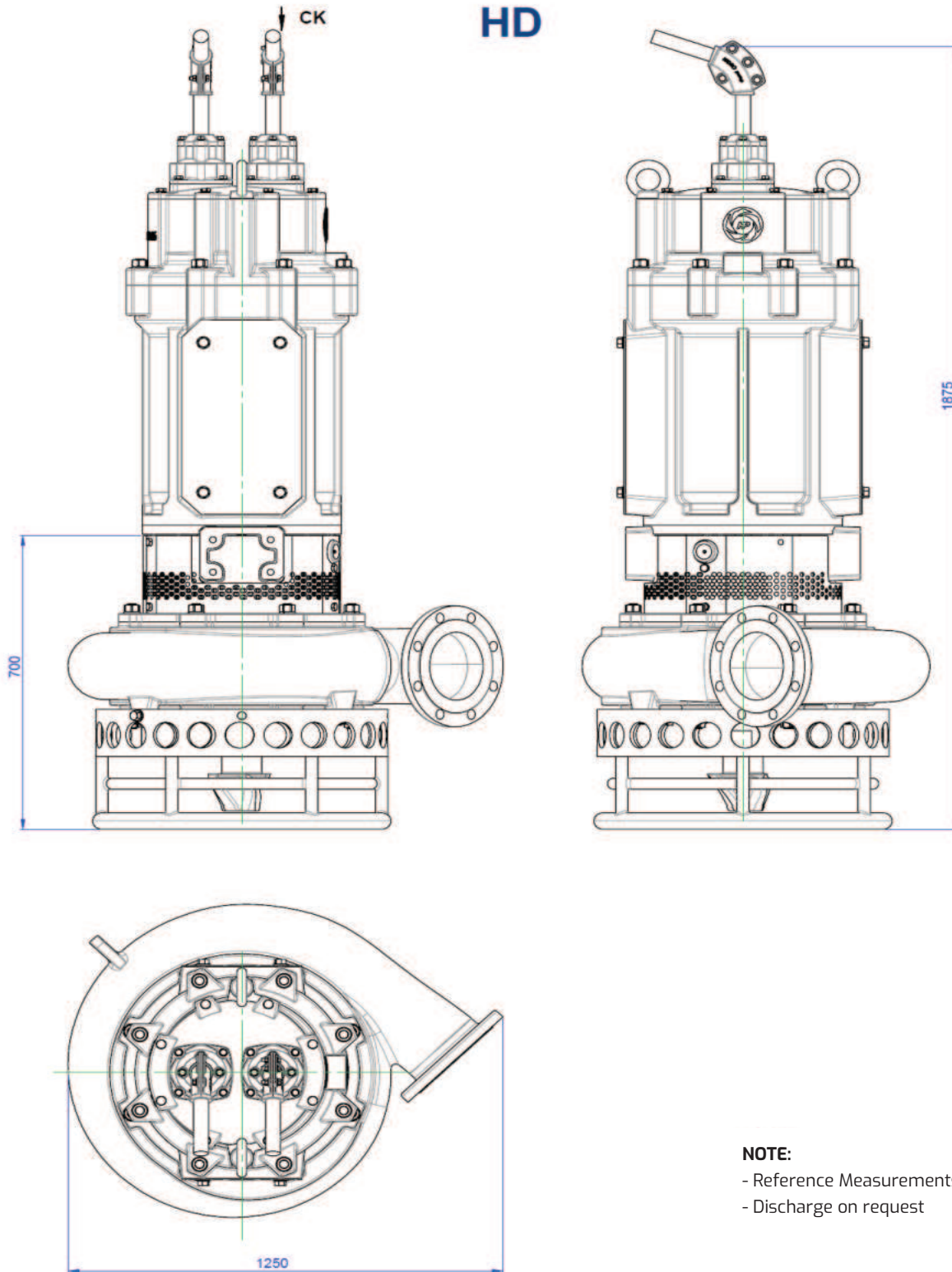
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