

JS PUMP KZN

sand, sludge & slurry pumps - 400 Volt



JST-KZN Heavy Duty Submersible Slurry Pumps with agitator is the choice of industries that face the most difficult pumping: Lime slurries • Mill scale • Coal runoff sumps • Wash down sumps • Ash transfer • Tailings ponds • Slag pits • Food wastes • Silt removal • Sand & gravel dewatering • Barge & tank cleanout

JST KZN

sand, sludge & slurry submersible pumps



Main applications

- Construction- and industry water
- Drainage, dewatering
- Tunneling, channel works
- Concrete mixing plants
- Mines, mining & drilling
- Shipping
- Dredging & Offshore industry

Models

- | | |
|--------------------|----------------------|
| 1. JST-37 KZN 3" | 8. JST-75 KZN-H 4" |
| 2. JST-55 KZN 4" | 9. JST-110 KZN-H 5" |
| 3. JST-75 KZN 4" | 10. JST-150 KZN-L 6" |
| 4. JST-110 KZN 6" | 11. JST-220 KZN-L 6" |
| 5. JST-150 KZN 6" | |
| 6. JST-220 KZN 6" | |
| 7. JST-55 KZN-H 3" | |



With High-Chrome Agitator helps solids suspended in liquid and helps prevent pump from clogging

Type: JST-37 KZN

3" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	1500 liters per minute
Max. head:	14 meter head

General data

Discharge connection:	3" external thread
Weight (pump):	110 kg
Shipping weight:	135 kg
Solids handling:	20mm
Dimensions L x B x H:	820 x 410 x 420

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	1450 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	3,7 kW x 1500 rpm
Motor / rpm (P1):	5,0 kW x 1500 rpm
Nominal Amp.:	7,5 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm2)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

Data can be changed without prior notification

400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

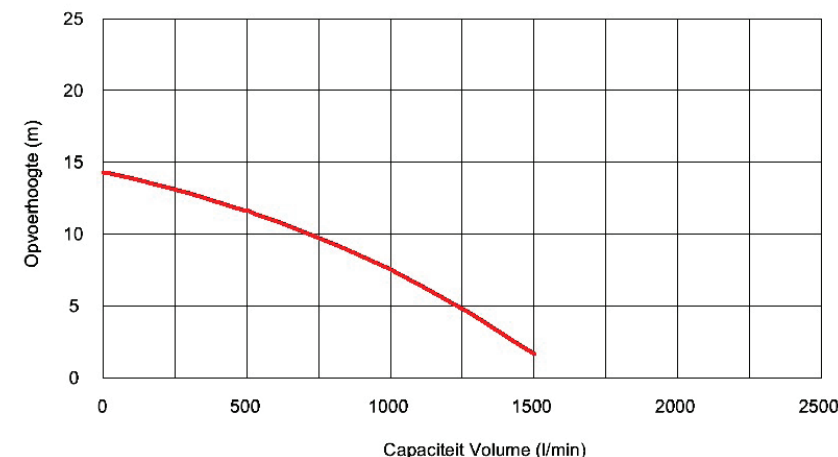
JST-KZN Heavy Duty Submersible Slurry Pumps with agitator is the choice of industries that face the most difficult pumping: Lime slurries • Mill scale • Coal runoff sumps • Wash down sumps • Ash transfer • Tailings ponds • Slag pits • Food wastes • Silt removal • Sand & gravel dewatering • Barge & tank cleanout

Main applications

- Construction- and industry water
- Drainage, dewatering
- Tunneling, channel works
- Concrete mixing plants
- Mines, mining & drilling
- Shipping
- Dredging & Offshore industry



ISO 9001



Type: JST-55 KZN

4" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	2000 liters per minute
Max. head:	17 meter head

General data

Discharge connection:	4" external thread
Weight (pump):	120 kg
Shipping weight:	145 kg
Solids handling:	25mm
Dimensions L x B x H:	820 x 410 x 420

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	1450 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	5,5 kW x 1500 rpm
Motor / rpm (P1):	7,5 kW x 1500 rpm
Nominal Amp.:	11 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm2)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

Data can be changed without prior notification

400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

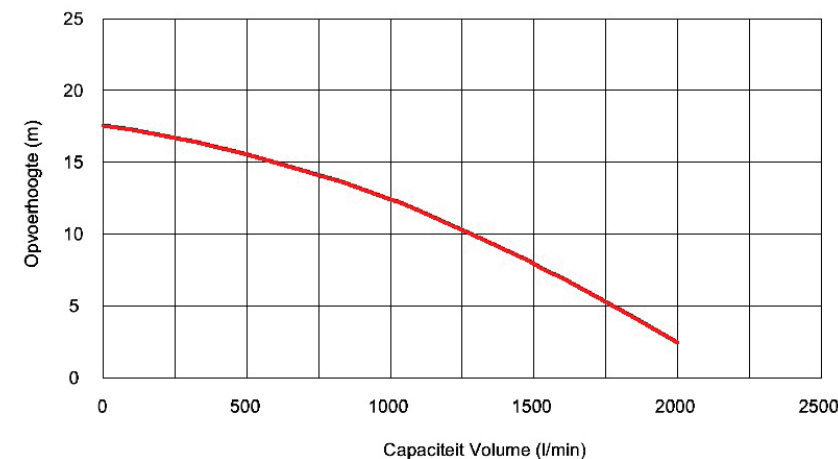
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Main applications

- Construction- and industry water
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- Tunneling, channel works
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- Mines, mining & drilling
- Shipping
- Dredging & Offshore industry



ISO 9001



Type: JST-55 KZN-H

4" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	1700 liters per minute
Max. head:	24 meter head

General data

Discharge connection:	4" external thread
Weight (pump):	120 kg
Shipping weight:	145 kg
Solids handling:	25mm
Dimensions L x B x H:	820 x 410 x 420

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	1450 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

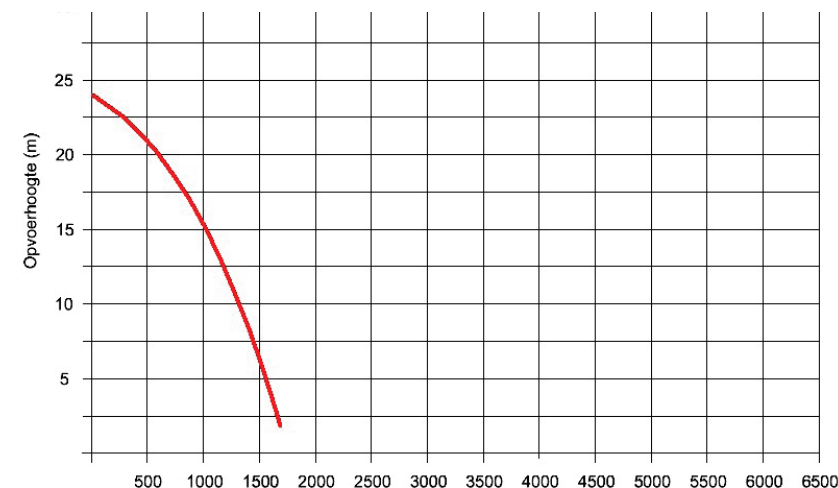
Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	5,5 kW x 1500 rpm
Motor / rpm (P1):	7,5 kW x 1500 rpm
Nominal Amp.:	11 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm2)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

Data can be changed without prior notification



400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

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Main applications

- Construction- and industry water
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- Shipping
- Dredging & Offshore industry



ISO 9001

Type: JST-75 KZN

4" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	2400 liters per minute
Max. head:	19 meter head

General data

Discharge connection:	4" external thread
Weight (pump):	130 kg
Shipping weight:	155 kg
Solids handling:	25mm
Dimensions L x B x H:	840 x 410 x 420

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	1450 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	7,5 kW x 1500 rpm
Motor / rpm (P1):	12 kW x 1500 rpm
Nominal Amp.:	14,5 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm2)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

Data can be changed without prior notification

400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

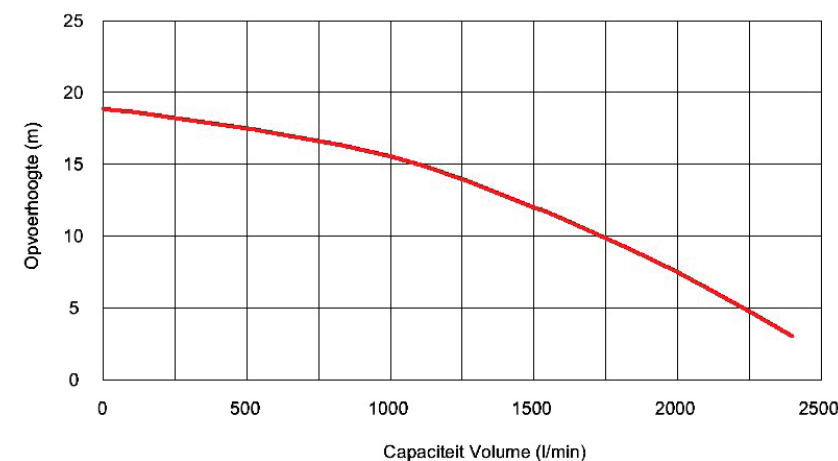
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Main applications

- Construction- and industry water
- Drainage, dewatering
- Tunneling, channel works
- Concrete mixing plants
- Mines, mining & drilling
- Shipping
- Dredging & Offshore industry



ISO 9001



Type: JST-75 KZN-H

4" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	2300 liters per minute
Max. head:	25 meter head

General data

Discharge connection:	4" external thread
Weight (pump):	130 kg
Shipping weight:	155 kg
Solids handling:	25mm
Dimensions L x B x H:	840 x 410 x 420

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	1450 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

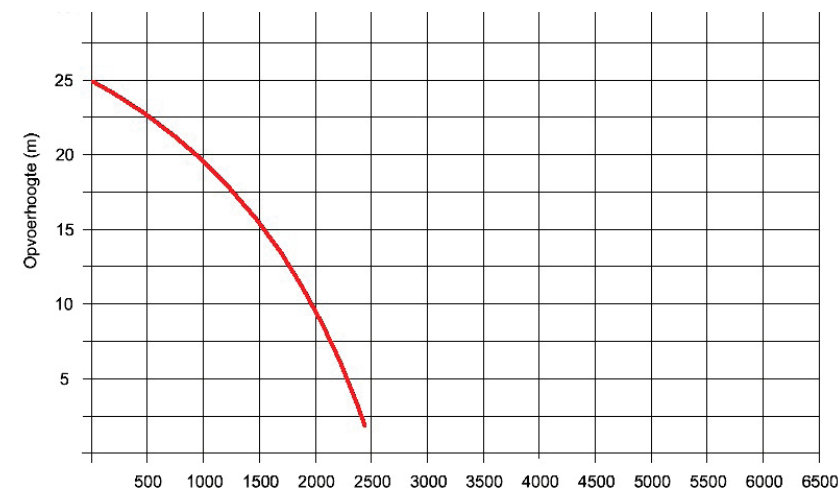
Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	7,5 kW x 1500 rpm
Motor / rpm (P1):	12 kW x 1500 rpm
Nominal Amp.:	14,5 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm2)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

Data can be changed without prior notification



400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

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Main applications

- Construction- and industry water
- Drainage, dewatering
- Tunneling, channel works
- Concrete mixing plants
- Mines, mining & drilling
- Shipping
- Dredging & Offshore industry



ISO 9001

Type: JST-110 KZN

6" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	4000 liters per minute
Max. head:	22 meter head

General data

Discharge connection:	6" external thread
Weight (pump):	240 kg
Shipping weight:	265 kg
Solids handling:	35mm
Dimensions L x B x H:	1100 x 560 x 570

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	3700 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	11 kW x 1500 rpm
Motor / rpm (P1):	15kW x 1500 rpm
Nominal Amp.:	21,7 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm2)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

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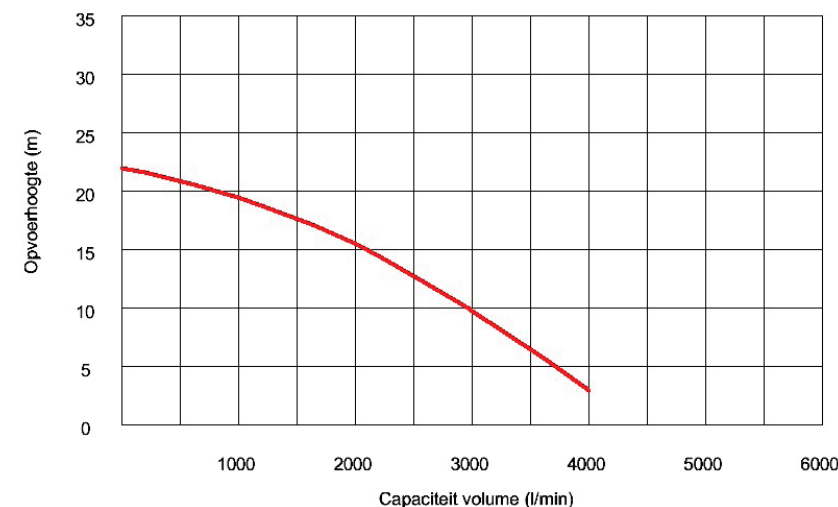
Main applications

- Construction- and industry water
- Drainage, dewatering
- Tunneling, channel works
- Concrete mixing plants
- Mines, mining & drilling
- Shipping
- Dredging & Offshore industry



ISO 9001

Data can be changed without prior notification



Type: JST-110 KZN-H

6" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	3500 liters per minute
Max. head:	26 meter head

General data

Discharge connection:	6" external thread
Weight (pump):	240 kg
Shipping weight:	265 kg
Solids handling:	35mm
Dimensions L x B x H:	1100 x 560 x 570

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	3700 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

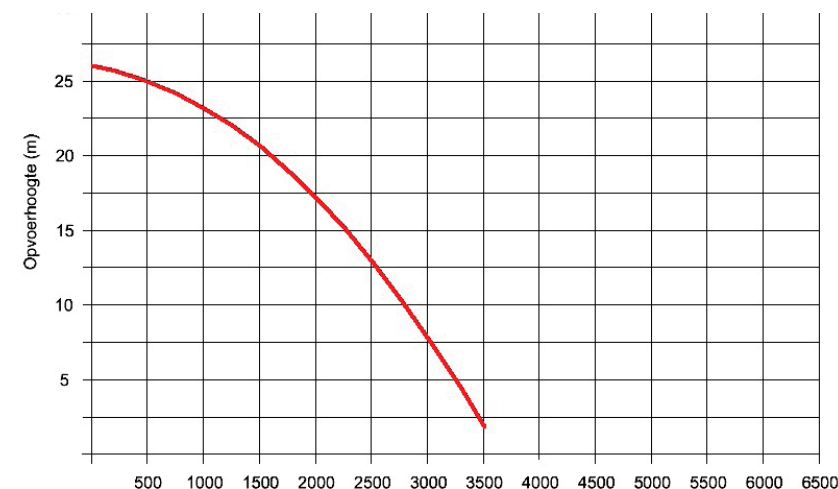
Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	11 kW x 1500 rpm
Motor / rpm (P1):	15kW x 1500 rpm
Nominal Amp.:	21,7 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm2)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

Data can be changed without prior notification



400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

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Main applications

- Construction- and industry water
- Drainage, dewatering
- Tunneling, channel works
- Concrete mixing plants
- Mines, mining & drilling
- Shipping
- Dredging & Offshore industry



ISO 9001

Type: JST-150 KZN

6" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	3100 liters per minute
Max. head:	34 meter head

General data

Discharge connection:	6" external thread
Weight (pump):	265 kg
Shipping weight:	290 kg
Solids handling:	35mm
Dimensions L x B x H:	1100 x 560 x 570

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	3700 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

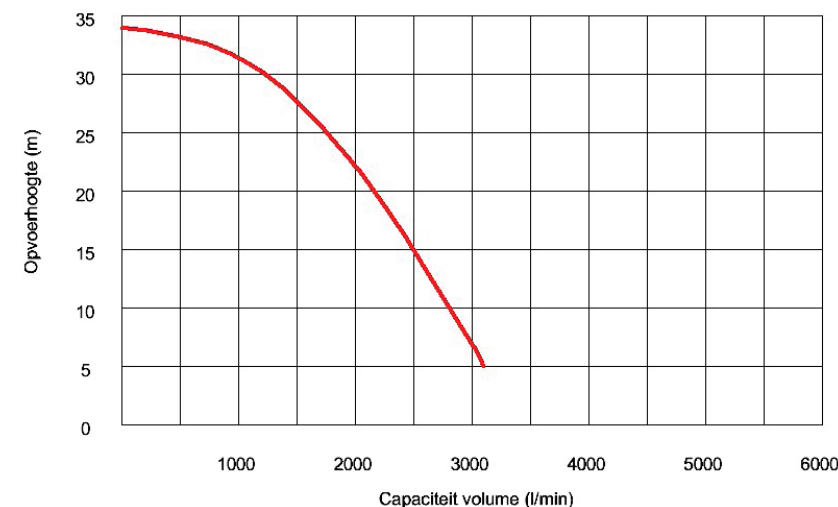
Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	15 kW x 1500 rpm
Motor / rpm (P1):	20 kW x 1500 rpm
Nominal Amp.:	28,5 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm2)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

Data can be changed without prior notification



400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

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Main applications

- Construction- and industry water
- Drainage, dewatering
- Tunneling, channel works
- Concrete mixing plants
- Mines, mining & drilling
- Shipping
- Dredging & Offshore industry



ISO 9001

Type: JST-150 KZN-L*

6" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	5850 liters per minute
Max. head:	22 meter head

General data

Discharge connection:	6" external thread
Weight (pump):	265 kg
Shipping weight:	290 kg
Solids handling:	35mm
Dimensions L x B x H:	1100 x 560 x 570

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	3700 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

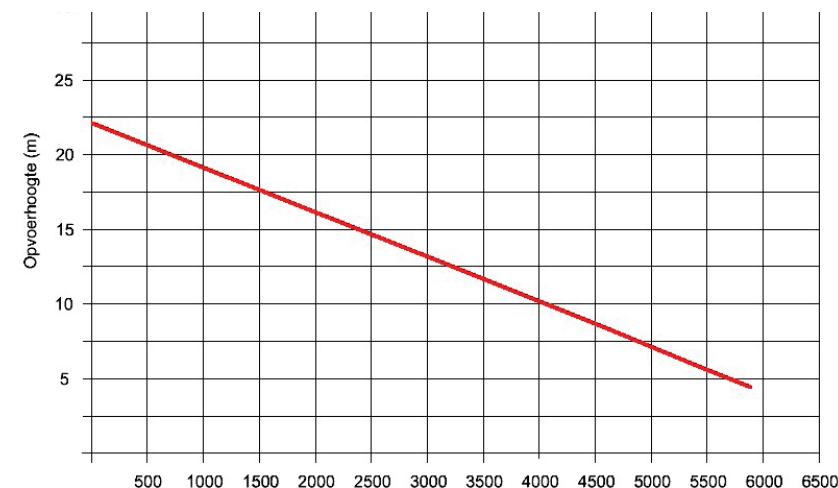
Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	15 kW x 1500 rpm
Motor / rpm (P1):	20 kW x 1500 rpm
Nominal Amp.:	28,5 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm2)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

Data can be changed without prior notification



400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

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Main applications

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ISO 9001

Type: JST-220 KZN

6" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	5200 liters per minute
Max. head:	30 meter head

General data

Discharge connection:	6" external thread
Weight (pump):	410 kg
Shipping weight:	435 kg
Solids handling:	35mm
Dimensions L x B x H:	1493 x 560 x 578

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	6300 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	22 kW x 1500 rpm
Motor / rpm (P1):	30 kW x 1500 rpm
Nominal Amp.:	43,5 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm ²)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

Data can be changed without prior notification

400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

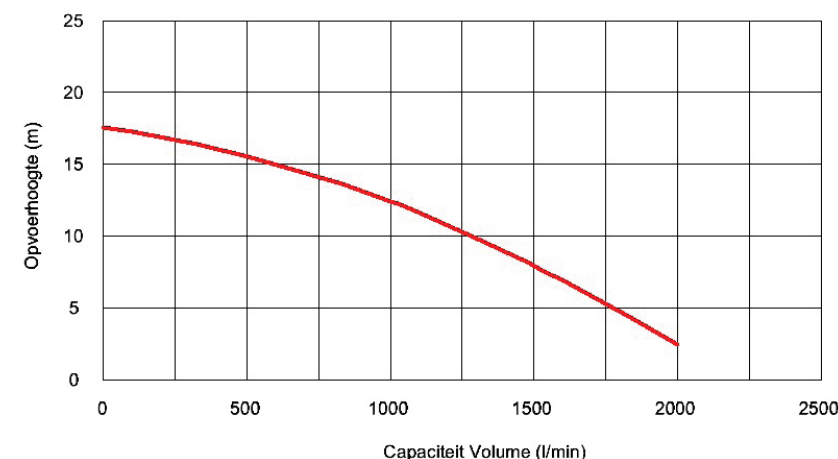
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Main applications

- Construction- and industry water
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- Tunneling, channel works
- Concrete mixing plants
- Mines, mining & drilling
- Shipping
- Dredging & Offshore industry



ISO 9001



Type: JST-220 KZN-L*

8" sludge & slurry submersible pump with agitator - 400 Volt

www.jspump.com



General data

Liquids:	water, sludge, slurry, bentonite
Max. Flow:	6400 liters per minute
Max. head:	24 meter head

General data

Discharge connection:	6" external thread
Weight (pump):	410 kg
Shipping weight:	435 kg
Solids handling:	35mm
Dimensions L x B x H:	1493 x 560 x 578

Material data

Pumphead motorunit:	FCD400
Agitator:	Hi-Chrome
Impeller:	Hi Chrome
Pumpbody:	cast iron
Seal:	dual SIC seal in closed oil bath
Volume oil chamber:	6300 cc
Shaft material:	Stainless Steel 410
Seal motorside:	SIC - SIC

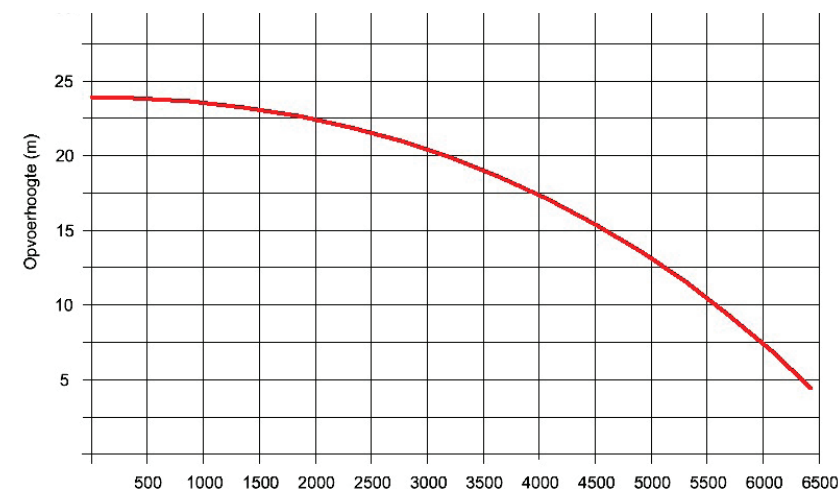
Electrical motor data

Motor:	electric motor
Motor / rpm (P2):	22 kW x 1500 rpm
Motor / rpm (P1):	30 kW x 1500 rpm
Nominal Amp.:	43,5 Ampere
Motor start:	direct online
Protection:	IP68
Insulation class:	H
Powercord:	20 meter, (4 x 4mm2)
Power/Fase/Hz:	400 Volt / 3-fase / 50Hz
Motor protection:	thermal

Details

Max. submersion depth:	61 meter
Max. liquid temperature:	40 degrees Celcius
Pump doan waterlevel:	305 mm
pH liquid:	5 - 8
Solids handling:	70% solids in weight
Floatswitch optional:	external controlpanel

Data can be changed without prior notification



400 Volt

Use with

- bentonite
- sludge/slurry
- excavation
- drainage

JST-KZN Heavy Duty Submersible Slurry Pumps with agitator is the choice of industries that face the most difficult pumping: Lime slurries • Mill scale • Coal runoff sumps • Wash down sumps • Ash transfer • Tailings ponds • Slag pits • Food wastes • Silt removal • Sand & gravel dewatering • Barge & tank cleanout

Main applications

- Construction- and industry water
- Drainage, dewatering
- Tunneling, channel works
- Concrete mixing plants
- Mines, mining & drilling
- Shipping
- Dredging & Offshore industry



ISO 9001