



Chengdu West Petroleum Equipment Co.,Ltd

SAND PUMP SERIES

»»» CHENGDU·CHINA



SB serial sand pump

» Survey

SB series sand pumps are supplementary pumps, newly designed and manufactured according to features of petroleum and natural gas drilling equipment. The pumps are applicable to deliver corrosive drilling fluid (with suspended particulates) or other liquid media under similar work condition, and are optional pumps for desander, desilter and mixing hoppers as well as perfect perfusion pumps of mud pumps. We have more than 80 models of SB6×8, SB5×6, SB4×5, SB3×4 and SB2×3 with motors ranging from 4kW to 75kW. The pumps have two structures of direct connection and belt transmission which are suitable for power grids of 50Hz and 60Hz. They also have metric and british systems and clockwise and anticlockwise directions.



» Features

No leakage

Use combined seal rely mainly on mechanical seal while packing subsidiary. The mechanical seal is designed by our company with patent ZL20072 0079857.2. The service life is 6 times as normal mechanical seal.

High efficiency

Impeller and case have a streamlined design.

Long service life

The flow parts are made of high wearable cast iron.

No jam

The impeller has wide flow pass.

Beautiful appearance

The structure, which has certificate of design patent, is compact and beautiful (patent No. ZL200730094452.1)

» Technical parameter

| Type | Capacity (m ³ /h) | Head (m) | Speed (rpm) | | Efficiency (%) | Power (kW) | | Weight (kg) | Dimension L×W×H(mm) |
|------------|------------------------------|----------|-------------|------|----------------|-------------|-------------|-------------|---------------------|
| | | | 50Hz | 60Hz | | Brake power | Motor power | | |
| SB6×8J-13 | 240 | 37 | 1480 | 1780 | 67 | 36 | 75 | 1130 | 2056×698×1022 |
| SB6×8J-12½ | 200 | 36 | 1480 | 1780 | 66 | 29.7 | 55 | 1000 | 1996×698×972 |
| SB6×8J-12 | 200 | 33 | 1480 | 1780 | 64 | 28 | 45 | 850 | 1916×638×917 |
| SB5×6J-12½ | 200 | 33 | 1480 | 1780 | 64 | 28 | 45 | 785 | 1806×528×884 |
| SB5×6J-12 | 180 | 31 | 1480 | 1780 | 63 | 24.1 | 37 | 760 | 1781×528×864 |
| SB5×6J-11½ | 160 | 28 | 1470 | 1780 | 62 | 19.7 | 30 | 650 | 1746×528×844 |
| SB5×6J-11 | 140 | 22 | 1470 | 1780 | 62 | 13.5 | 22 | 545 | 1686×516×764 |
| SB4×5J-10½ | 150 | 26 | 1470 | 1780 | 61 | 17.4 | 30 | 580 | 1662×490×817 |
| SB4×5J-10 | 150 | 25 | 1470 | 1780 | 61 | 16.8 | 22 | 480 | 1602×453×720 |
| SB4×5J-9 | 93 | 20 | 1460 | 1760 | 58 | 8.8 | 15 | 400 | 1564×453×705 |
| SB3×4J-10 | 85 | 26 | 1460 | 1760 | 61 | 9.9 | 15 | 360 | 1405×443×682 |
| SB3×4J-9½ | 80 | 23 | 1460 | 1760 | 61 | 8.2 | 11 | 340 | 1365×443×682 |
| SB3×4J-9 | 54 | 18 | 1440 | 1750 | 60 | 4.4 | 7.5 | 290 | 1245×443×650 |
| SB2×3J-10 | 55 | 22 | 1460 | 1760 | 60 | 5.5 | 11 | 320 | 1352×446×682 |
| SB2×3J-9 | 50 | 18 | 1440 | 1750 | 56 | 4.4 | 7.5 | 260 | 1232×446×650 |
| SB2×3J-8 | 40 | 16 | 1440 | 1750 | 54 | 3.2 | 5.5 | 245 | 1192×446×650 |
| SB2×3J-7½ | 25 | 11 | 1440 | 1750 | 50 | 1.5 | 4 | 223 | 1161×446×600 |

2500SB serial sand pump

» Survey

2500SB serial sand pump, which is designed and manufactured according to requirements of NABORS, can meet national drilling technical requirement of USA and other countries. We have 18 models of 2500SB8×6, 2500SB6×5, 2500SB5×4, 2500SB4×3 and 2500SB3×2 with motors from 5.5kW to 75kW. It can completely replace MISSION pump manufactured by American company.



» Features

No leakage

Use combined seal rely mainly on mechanical seal while packing subsidiary. The mechanical seal is designed by our company with patent ZL20072 0079857.2. The service life is 6 times as normal mechanical seal.

High efficiency

Impeller and case have a streamlined design.

Long service life

The flow parts are made of high wearable cast iron.

No jam

The impeller has wide flow pass.

Beautiful appearance

The structure, which has certificate of design patent, is compact and beautiful

» Technical parameter

| Type | Capacity (m ³ /h) | Head (m) | Speed (rpm) | | Efficiency (%) | Power (kW) | | Weight (kg) | Dimension L×W×H(mm) |
|---------------|------------------------------|----------|-------------|------|----------------|-------------|-------------|-------------|---------------------|
| | | | 50Hz | 60Hz | | Brake power | Motor power | | |
| 2500SB8×6-13 | 240 | 37 | 1480 | 1780 | 67 | 36.1 | 75 | 1210 | 1966×633×1023 |
| 2500SB8×6-12½ | 200 | 36 | 1480 | 1780 | 66 | 29.7 | 55 | 1080 | 1906×623×964 |
| 2500SB8×6-12 | 200 | 33 | 1480 | 1780 | 64 | 28.1 | 45 | 910 | 1826×602×888 |
| 2500SB6×5-12½ | 200 | 33 | 1480 | 1780 | 64 | 28.1 | 45 | 880 | 1796×527×888 |
| 2500SB6×5-12 | 180 | 31 | 1480 | 1780 | 61 | 24.9 | 37 | 830 | 1771×527×865 |
| 2500SB6×5-11½ | 160 | 28 | 1470 | 1780 | 61 | 13.8 | 30 | 740 | 1736×527×844 |
| 2500SB6×5-11 | 140 | 22 | 1470 | 1780 | 61 | 15.7 | 22 | 620 | 1676×517×766 |
| 2500SB5×4-12½ | 95 | 37 | 1480 | 1780 | 61 | 13.5 | 37 | 810 | 1737×532×865 |
| 2500SB5×4-12 | 90 | 33 | 1470 | 1780 | 60 | 12 | 30 | 735 | 1702×532×844 |
| 2500SB5×4-11½ | 85 | 30 | 1470 | 1780 | 58 | 12 | 22 | 630 | 1642×512×766 |
| 2500SB4×3-12 | 85 | 30 | 1470 | 1780 | 60 | 11.6 | 30 | 710 | 1666×519×844 |
| 2500SB4×3-11½ | 80 | 27 | 1470 | 1780 | 60 | 9.8 | 22 | 605 | 1606×496×766 |
| 2500SB4×3-11 | 75 | 23 | 1460 | 1760 | 58 | 8.1 | 15 | 520 | 1567×496×729 |
| 2500SB4×3-10 | 70 | 18 | 1460 | 1760 | 57 | 6 | 11 | 500 | 1527×496×729 |
| 2500SB3×2-11½ | 60 | 31 | 1470 | 1780 | 57 | 8.9 | 30 | 700 | 1652×519×844 |
| 2500SB3×2-10½ | 52 | 27 | 1460 | 1760 | 56 | 6.8 | 15 | 513 | 1553×483×729 |
| 2500SB3×2-10 | 50 | 25 | 1460 | 1760 | 56 | 6.0 | 11 | 493 | 1513×483×729 |

LSB serial vertical pump

» Survey

LSB serial vertical pump is a feeding pump designed and manufactured according to special requirements of installation. It is applicable to deliver corrosive drilling fluid (with suspended particulates) or other liquid media under similar work condition. It is mainly used in limited area and as feed pump of centrifuge. We have 9 models of LSB100 and LSB2×3 which are suitable for power grids of 50Hz and 60Hz.

» Features

No leakage

Use combined seal rely mainly on mechanical seal while packing subsidiary. The mechanical seal is designed by our company with patent ZL20072 0079857.2. The service life is 6 times as normal mechanical seal.

High efficiency

Impeller and case have a streamlined design.

Long service life

The flow parts are made of high wearable cast iron.

No jam

The impeller has wide flow pass.

Small area Vertical structure



» Technical parameter

| Type | Capacity (m ³ /h) | Head (m) | Speed (rpm) | | Efficiency (%) | Power (kW) | | Weight (kg) | Dimension L×W×H(mm) |
|-------------|------------------------------|----------|---------------|------|------------------|--------------|-------------|---------------|---------------------|
| | | | 50Hz | 60Hz | | Brake power | Motor power | | |
| LSB100-45 | 200 | 22 | 1480 | 1780 | 58 | 20.7 | 45 | 850 | 2236×845×815 |
| LSB100-37 | 160 | 18 | 1480 | 1780 | 58 | 13.5 | 37 | 835 | 2211×845×815 |
| LSB100-30 | 160 | 15 | 1470 | 1780 | 58 | 11.3 | 30 | 750 | 2176×845×795 |
| LSB100-22 | 150 | 15 | 1470 | 1780 | 58 | 10.6 | 22 | 657 | 2116×845×735 |
| LSB2×3J-11 | 70 | 18 | 1460 | 1760 | 64 | 5.4 | 11 | 305 | 2238×830×550 |
| LSB2×3J-7.5 | 60 | 15 | 1440 | 1750 | 63 | 3.9 | 7.5 | 243 | 2104×767×471 |
| LSB2×3J-5.5 | 50 | 12.5 | 1440 | 1750 | 62 | 2.8 | 5.5 | 228 | 2083×767×471 |
| LSB2×3J-4 | 50 | 8 | 1440 | 1750 | 60 | 1.8 | 4 | 206 | 2028×717×471 |

Spray pump

» Survey

Spray pump is especially matched for mud pump for oil drilling, with the function of flushing and cooling sleeve and pistons in the process of pump operation, as well as include the other situation for transportation mud. We have 7 models of 32 and 40 with two structures of direct connection and belt connection value.

» Features

No leakage

Use mechanical seal which is designed by ourselves with patent ZL20072 0079857.2. the service life is 6 times as normal mechanical seal.

Bidirectional rotation

Straight blade designed bi-directional rotation makes perfect performance.

Beautiful appearance

The structure is compact and beautiful

» Technical parameter



| Type | Capacity (m ³ /h) | Head (m) | Speed (rpm) | | Efficiency (%) | Prower (kW) | | Weight (kg) | Dimension L×W×H(mm) |
|--------------|------------------------------|----------|--------------|------|------------------|--------------|-------------|--------------|---------------------|
| | | | 50Hz | 60Hz | | Brake power | Motor power | | |
| 32SB180J-2.2 | 7.5 | 10 | 1420 | 1750 | 48 | 0.43 | 2.2 | 123 | 963×372×480 |
| 32SB180J-4 | 9 | 14 | 1440 | 1750 | 48 | 0.72 | 4 | 140 | 993×351×528 |
| 32SB180J-5.5 | 9 | 14 | 1440 | 1750 | 48 | 0.72 | 5.5 | 175 | 1051×368×578 |
| 40SB180J-3 | 15 | 10 | 1420 | 1750 | 53 | 0.77 | 3 | 135 | 994×372×480 |
| 40SB180J-4 | 20 | 10 | 1440 | 1750 | 53 | 1.0 | 4 | 160 | 1024×355×528 |
| 32PL-200A | 7.5 | 10 | 1420 | 1750 | 48 | 0.43 | | 43 | 512×252×335 |
| 32PL-200B | 7.5 | 10 | 1420 | 1750 | 48 | 0.43 | | 42 | 427×252×335 |

WJQ serial shear pump

» Survey

WJQ serial shear pump is a specific pump to shear additive, polymers and clays to improve the performance of drilling fluid. With 4 specifications with power between 37kW and 75kW, the pump is applicable to 50Hz and 60Hz as well as metric and British systems.

» Features

No leakage

Use combined seal relying mainly on mechanical seal and packing subsidiary. The mechanical seal is designed by ourselves with patent ZL20072 0079857.2. the service life is 6 times as normal mechanical seal.

High shear efficiency

Special impeller and shear plate make shear efficiency $\geq 95\%$

Long service life

Impeller and shear plate are stainless, other flow parts are made of high wearable cast iron.

Beautiful appearance

The structure is compact and beautiful

» Technical parameter



| Type | Capacity (m ³ /h) | Head (m) | Speed (rpm) | Efficiency (%) | Prower (kW) | | Weight (kg) | Dimension L×W×H(mm) |
|------------|------------------------------|----------|--------------|------------------|--------------|-------------|--------------|---------------------|
| | | | | | Brake power | Motor power | | |
| WJQ5×6J-75 | 150 | 30 | 2150 | 28 | 43.8 | 75 | 1220 | 1093×1161×1488 |
| WJQ5×6J-55 | 140 | 26 | 2050 | 28 | 35.4 | 55 | 1100 | 1038×1178×1437 |
| WJQ5×6J-45 | 105 | 24 | 1750 | 28 | 24.5 | 45 | 960 | 1023×1115×1398 |
| WJQ5×6J-37 | 105 | 24 | 1750 | 28 | 24.5 | 37 | 945 | 1023×1115×1398 |

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