

Detail Specifications (1.5 H.P Single phase pump)

Specification no BHEL/JHS/FCX/PUMP/02

PI no 37120063 dt 4/12/2012

Vertical monobloc submersible self priming pumpset, free flow impellers of two sizes, 1 phase motors with IP 68 protection class "F" insulation. 1 phase motor with built-in thermal overload protection and float switch, Bidirectional seal and all SS hardware inclusive control panel GELCO/L&T/HEVELS/HPL make suitable for above pump.

1. Total Head : 12 Metres (Min)
2. Capacity : 25KL/hr (min)
3. Temperature: upto 40 degree centimeter
4. Motor rating 1phase-1.1 kw
5. Casing and impeller - cast iron
6. Shaft : Chrome steel
7. Suitable for operation under submerged condition in mud water.
8. Motors is water immersed and fitted with good quality oil seal.
9. Suitable for applications where wide water level fluctuations take place in suction side.
10. All internal parts of motor should be specially coated with primer to prevent rusting for longer life.
11. Suitable Control Panel and 10 metres ANARMED 2.5 SQ MM COPPER CONDUCTOR of make CAPITAL/ R K LITES/FINLEX/HEVELS only make cable.
12. All rotating parts are dynamically balanced for longer bearing life and vibration free smooth and silent operation.
13. Efficiency at duty point: Vendor to be specify
14. Dimensions of pump set: Vendor to specify
15. Weight of pump set: Vendor to specify
16. Make and model no of pump: *Vendor to specify*
17. Minimum submergence : *Vendor to specify*
18. Make- KSB/KIRLOSKAR/MATHER & PLATES/FLYGHT / LOWARA /ABS/GROUNDFOSS ONLY

QUALIFYING CRITERIA

Offer of Manufacturer and their Authorised Dealers/Distributors of above make shall be accepted only. In case of Dealers/distributors, please submit their authorisation certificate along with their offer.


(K D Gupta)
Dy Mgr- FCX

Specifications (3.2 H.P submersible pump)

Specification no BHEL/JHS/FCX/PUMP/03

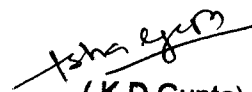
PI no 37120063 dt 4/12/2012

Supply, installation and commissioning of vertical self priming pump along with slide way to fix pump as per water level, IP 68 protection class "F" insulation with control panel GELCO/L&T/HEVELS/HPL make suitable for above pump as per detailed specification given below.

1. Specially designed to withstand wide voltage fluctuations in 3 phases supply.
2. Provided with semi open non clogging impeller.
3. Provided with stainer in S S.
4. Guide way: Guide way to slide pump as per water level to be provided.
5. Total Head : 12 Metres (Min)
6. Capacity : 15 KL/hr (min)
7. Motor capacity : 3 phases, 2.79 KW
8. Temperature: Ambient
9. Pipe Size : 100 X 100 mm
10. Speed : 2750 RPM (approx)
11. Rotation : Clockwise when viewed from motor end
12. Motor : Totally enclosed water filled Squirrel cage induction motor suitable for 415V/3 phase, 50Hz, AC supply
13. MOC:
 - a) Casing Stator housing : CI
 - b) Impeller: SS
 - c) Shaft : SS
 - d) Pump housing : CI
 - e) O-rings- Nitrile rubber
14. Suitable for operation under submerged condition in mud water.
15. Motors is water imersed and fitted with good quality oil seal.
16. Suitable for applications where wide water level fluctuations take place in suction side.
17. All internal parts of motor should be specially coated with primer to prevent rusting for longer life.
18. Suitable Control Panel and 10 metres PVC insulated 2.5 SQ MM COPPER CONDUCTOR of make CAPITAL/R K LITES/FINLEX/HEVELS only make cable.
19. All rotating parts are dynamically balanced for longer bearing life and vibration free smooth and silent operation.
20. Efficiency at duty point: Vendor to specify
21. Dimensions of pump set: Vendor to specify
22. Weight of pump set: Vendor to specify
23. Make and model no and S.No: Vendor to specify
24. No of stages: Vendor to specify if more than one stage
25. Min submergence: vendor to specify
26. Rotation : Clockwise when viewed from motor end
27. Make-KSB/KIRLOSKAR/MATHER & PLATES/FLYGHT/ LOWARA /ABS/ GROUNDFOSS ONLY

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(K D Gupta)
Dy Mgr- FCX

Detail Specifications (2H.P III phase pump)

Specification no BHEL/JHS/FCX/PUMP/04

PI no 37120063 dt 4/12/2012

Supply, installation and commissioning of Horizontal open well self priming monoset submersible pump with IP 68 protection class "F" insulation with control panel GELCO/L&T/HEVELS/HPL make suitable for above pump as per detailed specification given below .

1. Specially designed to withstand wide voltage fluctuations in 3 phases supply .
2. Motor is water lubricated and fitted with good quality oil seal .
3. Total Head : 12 Metres(Min)
4. Capacity : 15 KL/hr (min)
5. Motor capacity :3 phases , 2 H.P
6. Temperature: Ambient
7. Pipe Size : 65 X50 mm
8. Speed : 2900 RPM (approx)
9. Rotation : Clockwise when viewed from motor end
10. Motor :Totally enclosed water filled Squirrel cage induction motor suitable for 415V/3 phase, 50Hz, AC supply
11. MOC:
 - a) Strainer :Stainless Steel
 - b) Flange: Graded Cast Iron
 - c) Volute: Graded Cast Iron
 - d) Bush Housing: Graded Cast Iron
 - e) Sleeve: Brass
 - f) Rotor: Copper
 - g) Impeller: Stainless steel Graded Cast Iron
 - h) Bush: Brass
 - l) Motor Body : Graded Cast Iron
 - m) Thrust Bearing: Bronze
 - n) End Cover: Graded Cast Iron
 - r) Base Plate: MS (Fabricated)
12. Suitable for operation under submerged condition in mud water.
13. Motors is water imersed and fitted with good quality oil seal.
14. Suitable for applications where wide water level fluctuations take place in suction side.
15. All internal parts of motor should be specially coated with primer to prevent rusting for longer life.
16. Suitable Control Panel and 10 metres PVC insulated 2.5 SQ MM COPPER CONDUCTOR of make CAPITAL/ R K LITES/FINLEX/HEVELS only make cable.
17. All rotating parts are dynamically balanced for longer bearing life and vibration free smooth and silent operation.
18. Efficiency at duty point: Vendor to be speify
19. Dimensions of pump set: Vendor to specify
20. Weight of pump set: Vendor to specify
21. Make and model no and S.No: Vendor to specify
22. No of stages: Vendor to specify if more than one stage
23. Min submergence: vendor to specify
24. Rotation : Clockwise when viewed from motor end
25. Make- KSB/KIRLOSKAR/MATHER & PLATES/FLYGHT / LOWARA /ABS/GROUNDFOSS ONLY

QUALIFYING CRITERIA

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(K D Gupta)
Dy Mgr- FCX

Detail Specifications (5 H.P Single phase pump)

Specification no BHEL/JHS/FCX/PUMP/05

PI no 37120063 dt 4/12/2012 (item no 5)

Supply, installation and commissioning of Horizontal open well monoset submersible self priming pumpset, III phase motors with IP 68 protection class "F" insulation inclusive control panel GELCO/L&T/HEVELS/HPL make suitable for above pump as detailed specification given below .

1. Total Head : 12 Metres (Min)
2. Capacity : 25 KL/hr (min)
3. Motor capacity : 3 phases , 5 H.P
4. Temperature: Ambient
5. Pipe Size : 100 X 100 mm
6. Speed : 2900 RPM (approx)
7. Rotation : Clockwise when viewed from motor end
8. Motor : Squirrel cage induction motor suitable for 415V/3 phase, 50Hz, AC supply
9. Specially designed to withstand wide voltage fluctuations in 3 phases supply .
10. Motor is water lubricated and fitted with good quality oil seal .

11 MOC:

- a) Strainer : Stainless Steel
- b) Flange: Graded Cast Iron
- c) Volute: Graded Cast Iron
- d) Bush Housing: Graded Cast Iron
- e) Sleeve: Brass
- f) Rotor: Copper
- g) Impeller: Stainless steel Graded Cast Iron
- h) Bush: Brass
- i) Drain Plug
- j) Grommet Plate: Plastic
- k) Shaft : Stainless Steel
- l) Motor Body : Graded Cast Iron
- m) Thrust Bearing: Bronze
- n) End Cover: Graded Cast Iron
- o) Thrust Bearing Lock Nut: Stainless Steel
- p) Thrust Pad: Fibre
- q) 'ODE' Bush Housing: Graded Cast Iron
- r) Base Plate: MS (Fabricated)
- s) O- rings- Nitrile rubber

12. Shaft : Chrome steel
13. Suitable for operation under submerged condition in mud water.
14. Motors is water imersed and fitted with good quality oil seal.
15. Suitable for applications where wide water level fluctuations take place in suction side.
16. All internal parts of motor should be specially coated with primer to prevent rusting for longer life.
17. Suitable Control Panel and 10 metres PVC insulated 2.5 SQ MM COPPER CONDUCTOR of make CAPITAL/ R K LITES/FINLEX/HEVELS only make cable.
18. All rotating parts are dynamically balanced for longer bearing life and vibration free smooth and silent operation.
19. Efficiency at duty point: Vendor to be speify
20. Dimensions of pump set: Vendor to specify
21. Weight of pump set: Vendor to specify
22. Make and model no : Vendor to specify
23. No of stages: Vendor to specify if more than one stage
24. Min submergence: vendor to specify
25. Make- KSB/KIRLOSKAR/MATHER & PLATES/FLYGHT / LOWARA / ABS/GROUNDFOSS ONLY

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