

Alarish wastewater station UNHCR

Supply, Delivery, Testing and Commissioning of Wastewater Submersible Pump Dry Installation with accessories

PUMP SPECIFICATIONS

Pump Flow = 170 (l/s)

Pump Head = 13 (m)

Dry Installation

IP 68

Free Passage not less than 100 mm

1450-1500 rpm speed

Temp:40C

Flanged:DIN

Motor housing:EN-GJL 250 or better

Impeller: EN-GJL 250 or better

Mechanical seal SiC/SiC

Motor shaft:Stainless steel 1.4021

Wear ring:Stainless steel 1.4021

Three –phase squirrel-cage motor 400V+- 10% 50Hz,

Insulation class H

Cable length 20 m

No. Starts per hour 15 at least

Temp PTC monitoring by thermal sensors in each phase of the stator

Accessories & Spare Parts
Mechanical Seal SiC/SiC Three Piece..... Three
Impeller two piece ... Two
Foot elbow (suction)for two pumps >... Two
Set of bearings for pump & motorThree
Set of wear ringsThree
Control Panel Soft Start
ATS 630 Amp For Electricity & Generator (Two ACB)
Complete assembled in IP55 at least
Enclosure Thickness 2mm
The MCC must contain four Cabinet (Three pumps and one spare) for the pumps. Each cabin must be dedicated to one pump, meaning four cabins for pumps
Automatic and manual Operation (Auto by ultrasonic sensor) with dry run protection
Contain of all protection MCCB dry run over load etc (four cabins) It does not include ATS,
Thermistor protection relay for all pumps
Ventilation fan with thermostat
Digital Multi-function meter: voltage, ampere, frequency cos q...
Four soft starters for pump (heavy duty European) Bypass Contactor for all pumps (S start speci>> in attachment). Send S Start Catalogue with documents
Single line diagram must be send with the document
Fix and test as IEC 61439 Certificate (Assembly Company)
The Soft starter and must be not less than 75 Kw @ 400 V
Construction type form 4
MCCB for station component (Screen , Crane MDB, etc) according to the electrical components in the study

Spare Parts
ACB 630 A Two
Soft starter Three
Total Price

Soft starter Specification Arish WWS

Application Three phase squirrel cage

Soft star and soft stop

75 kw 400 V 50 Hz

Voltage upon to 600 V

LCD display

Protection

- Loss line voltage, -**
- Lack of phase**
- Out-of-range frequency**
- Overvoltage and Undervoltage**
- Phase sequence**
- Overcurrent and high temperature**
- European origin**