

Annexure -1

SUPPLY OF METSO MAKE BARE PUMP Without Motor FOR CAUSTICISATION- SQUEEZER PUMPS

Technical Specifications:

Application: SQUEEZER PUMPS ; Tag no: 12P-8A/ 8B		
Sl.No	Pump Specifications	Motor/ Electrical Specifications
1	Pump Model: CR 5-22 A-FGJ-A-E HQQE	Motor Type: 112MC
2	Similar to Product No: 96517053	Efficiency Class: I
3	Similar to EAN number: 5700396755281	No. of Poles: 02
4	Speed for Pump Data: 2917 RPM	Rated Power – P2: 4 kW
5	Rated Flow: 5.7 M3/hr	Power (P2) required by pump: 4 KW
6	Rated Head: 115 mtrs ; Head max: 150 mtrs	Mains Frequency: 50 Hz
7	Impellers: 22	Rated Voltage: 3 X 220 – 240 D/ 280 - 415 Y V
8	Shaft Seal: HQQE	Rated current : 13.8/ 8 A
9	Stages: 22	Starting Current : 1120- 1230 %
10	Pump Version: A ; Model: A	Rated Speed: 2910-2930 RPM
11	Materials:	Motor Efficiency at Full Load: 89%
	Pump Housing: Cast Iron (EN-JL 1030 DIN W.-Nr A48-30 B ASTM	Motor Efficiency at 3/4 Load: 89-88%
	Impeller: Stainless Steel (1.4301 DIN W.Nr) 304 AISI	Motor Efficiency at 1/2 Load: 87-86%
12	Max. Ambient temperature: 60 Deg. C	Enclosure class (IEC 34-5) : IP 55
13	Max. Pressure at Stated Temp: 25/ 210 Bar/ °C 25/ -20 Bar/ °C	Insulation Class (IEC 85) : F
14	Flange Std: DIN	
15	Flange Size for Motor: FT 130	
16	Liquid temperature Range: - 20°C to 120 ° C	

Probable Suppliers:

- 1) M/s SLV Water Solutions, Tirupati

Description	Value
Product name:	CR 5-22 A-FGJ-A-E HQQE
Product No:	96517053
Serial number:	5700396755281
Technical:	
Speed for pump data:	2917 rpm
Rated flow:	5.7 m³/h
Rated head:	115 m
Head max:	150 m
Impellers:	22
Shaft seal:	HQQE
Approvals on nameplate:	CE
Curve tolerance:	ISO 9906 Annex A
Stages:	22
Pump version:	A
Model:	A
Materials:	
Pump housing:	Cast iron EN-JL1030 DIN W.-Nr.
Impeller:	A48-30 B ASTM Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
Installation:	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	25 / 120 bar / °C 25 / -20 bar / °C
Flange standard:	DIN
Connect code:	FGJ
Pipe connection:	DN 25 / DN 32
Pressure stage:	PN 16 / PN 25
Flange size for motor:	FT130
Liquid:	
Liquid temperature range:	-20 .. 120 °C
Electrical data:	
Motor type:	112MC
Efficiency class:	1
Number of poles:	2
Rated power - P2:	4 kW
Power (P2) required by pump:	4 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D / 380-415 Y V
Rated current:	13.8 / 8 A
Starting current:	1120-1230 %
Cos phi - power factor:	0,88-0,84
Rated speed:	2910-2930 rpm
Motor efficiency at full load:	89 %
Motor efficiency at 3/4 load:	89-88 %
Motor efficiency at 1/2 load:	87-86 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85D05413
Others:	
Net weight:	61.7 kg
Gross weight:	66.4 kg
Shipping volume:	0.11 m³

