**Gokulam Industries LLP**

Rajkot

Test Report No **TR/2026/147**

Page No

Tested on Date 03/06/2026

TEST REPORT FOR SUBMERSIBLE PUMPSETS**Name Plate Data**

Rated Speed	2850 RPM	Sl.No.	Sample AH SE220-1P SR-23009914 V4		
Rated Current	10.000 A	Model/Type	AH SE220-1P SR-23009914 V4		
Rated Voltage	220 V	Motor Rating	1.5/1.125 HP/kW	No. Of Stages	20
Delivery Size	32 mm	Bore Size(mm)	100	Catagory	B
Method Of Start	Cap-Start	Rated Freq	50 Hz	Connection	CSR
Min.Submergence	1.5 m	Phase	1-Phase	Head Range	56.25 to 82.5 m
----- DUTY POINT -----					
Head (Hg)	75 m	Discharge (Qg)	0.70 lps	Overall Effi. (%)	31.4 %

Table 1 (Observed Values)

Sl. No.	Gauge Distance (m)	Delivery gauge reading (m)	Flow (lps)	Volt (V)	Current (A)			Input Power (kW)	Frequency (Hz)	Obv. Speed (rpm)
					R	Y	B			
1	1.50	2.10	1.31	220	8.070	---	---	1.739	50.04	2,737
2	1.50	36.10	1.11	220	7.910	---	---	1.698	50.04	2,745
3	1.50	55.00	0.93	220	7.900	---	---	1.703	50.04	2,748
4	1.50	70.40	0.77	220	7.720	---	---	1.661	50.06	2,760
5	1.50	74.50	0.72	220	7.670	---	---	1.656	50.08	2,766
6	1.50	81.50	0.63	220	7.510	---	---	1.615	50.08	2,775
7	1.50	96.20	0.40	220	7.020	---	---	1.500	50.08	2,805
8	1.50	103.80	0.18	220	6.460	---	---	1.365	50.08	2,836
9	1.50	106.00	0.00	220	6.040	---	---	1.261	50.08	2,839

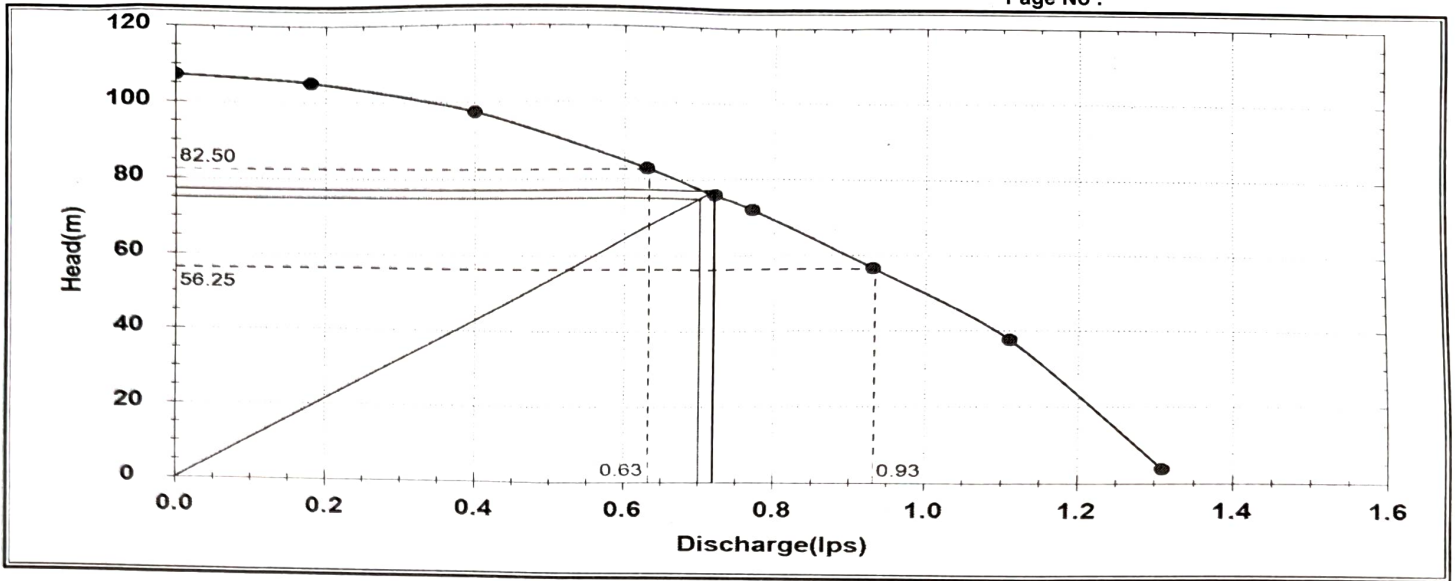
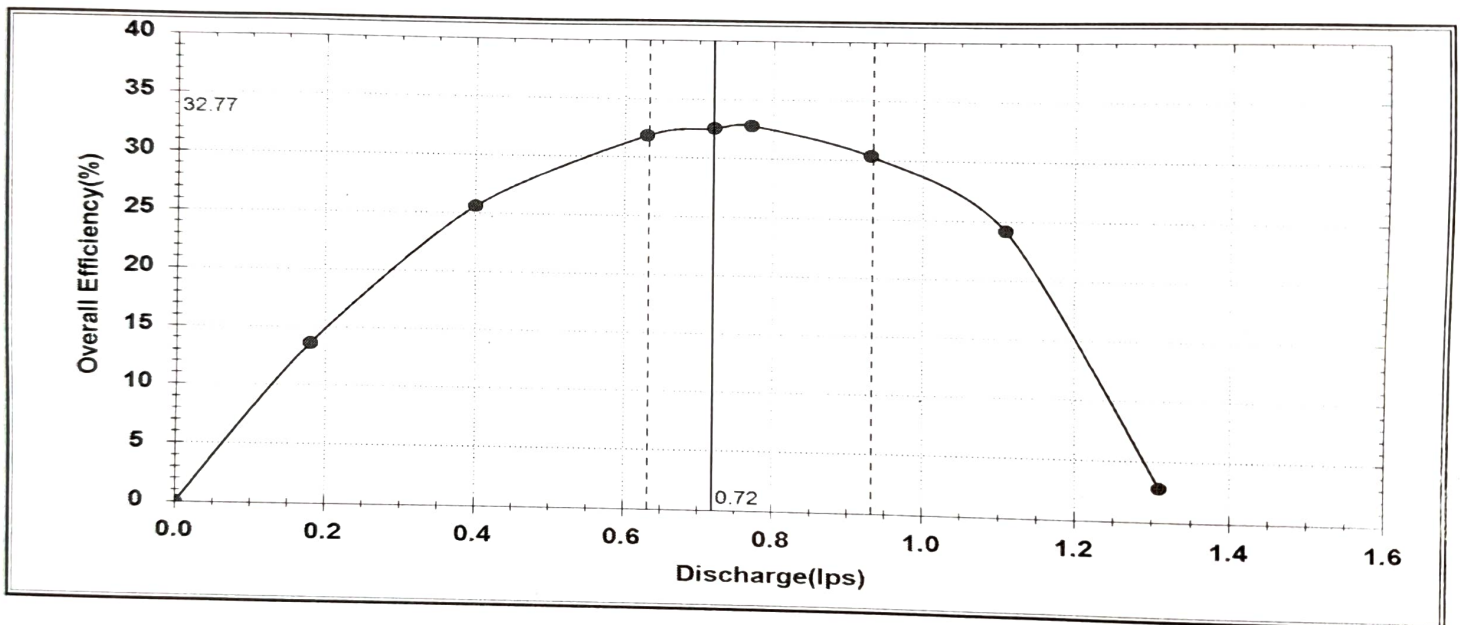
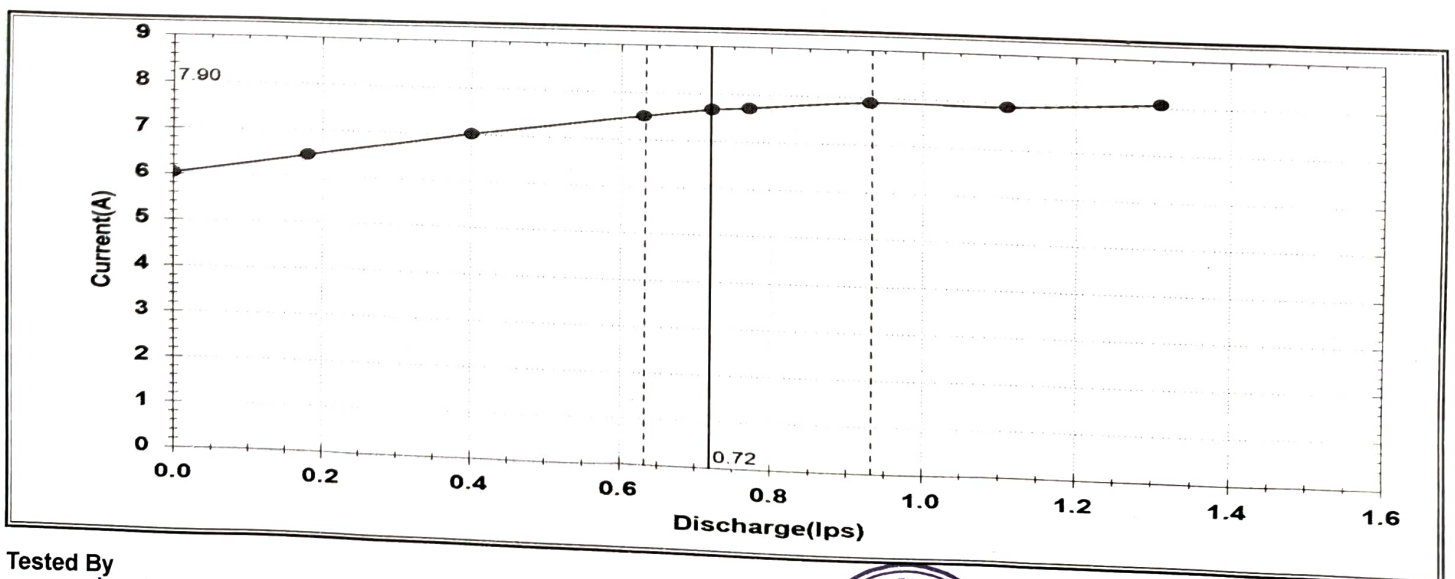
Table 2

Sl. No.	Velocity Head Corr. (m)	Total Head (m)	Flow (lps)	Current (A)	Motor Input (kW)	Performance Corrected @50 Rated Frequency			Pump Output (kW)	Overall Effi.(%)
						H (m)	Q (lps)	IP (kW)		
1	0.14	3.74	1.31	8.070	1.739	3.73	1.31	1.735	0.048	2.76
2	0.10	37.70	1.11	7.910	1.698	37.64	1.11	1.694	0.410	24.19
3	0.07	56.57	0.93	7.900	1.703	56.48	0.93	1.699	0.515	30.32
4	0.05	71.95	0.77	7.720	1.661	71.78	0.77	1.655	0.542	32.75
5	0.04	76.04	0.72	7.670	1.656	75.80	0.72	1.648	0.535	32.48
6	0.03	83.03	0.63	7.510	1.615	82.76	0.63	1.607	0.511	31.81
7	0.01	97.71	0.40	7.020	1.500	97.40	0.40	1.493	0.382	25.59
8	0.00	105.30	0.18	6.460	1.365	104.96	0.18	1.358	0.185	13.64
9	0.00	107.50	0.00	6.040	1.261	107.16	0.00	1.255	0.000	0.00

Conclusion (As Per Graph)

DECLARED VALUES		OBSERVED VALUES		CONCLUSION	
Discharge	0.70 lps	Discharge	0.72 lps	Conforms to H and Q Requirement.	
Overall Effi	31.4 %	Overall Effi	32.77 %	Conforms to Overall Efficiency Requirement.	
Current	10.000 A	Current	7.900 A	Conforms to Max. Current Requirement.	
Head	75 m	Head	77.13 m		
Tested By			Remarks	Authorized By	





Tested By

[Signature]



Authorized By

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