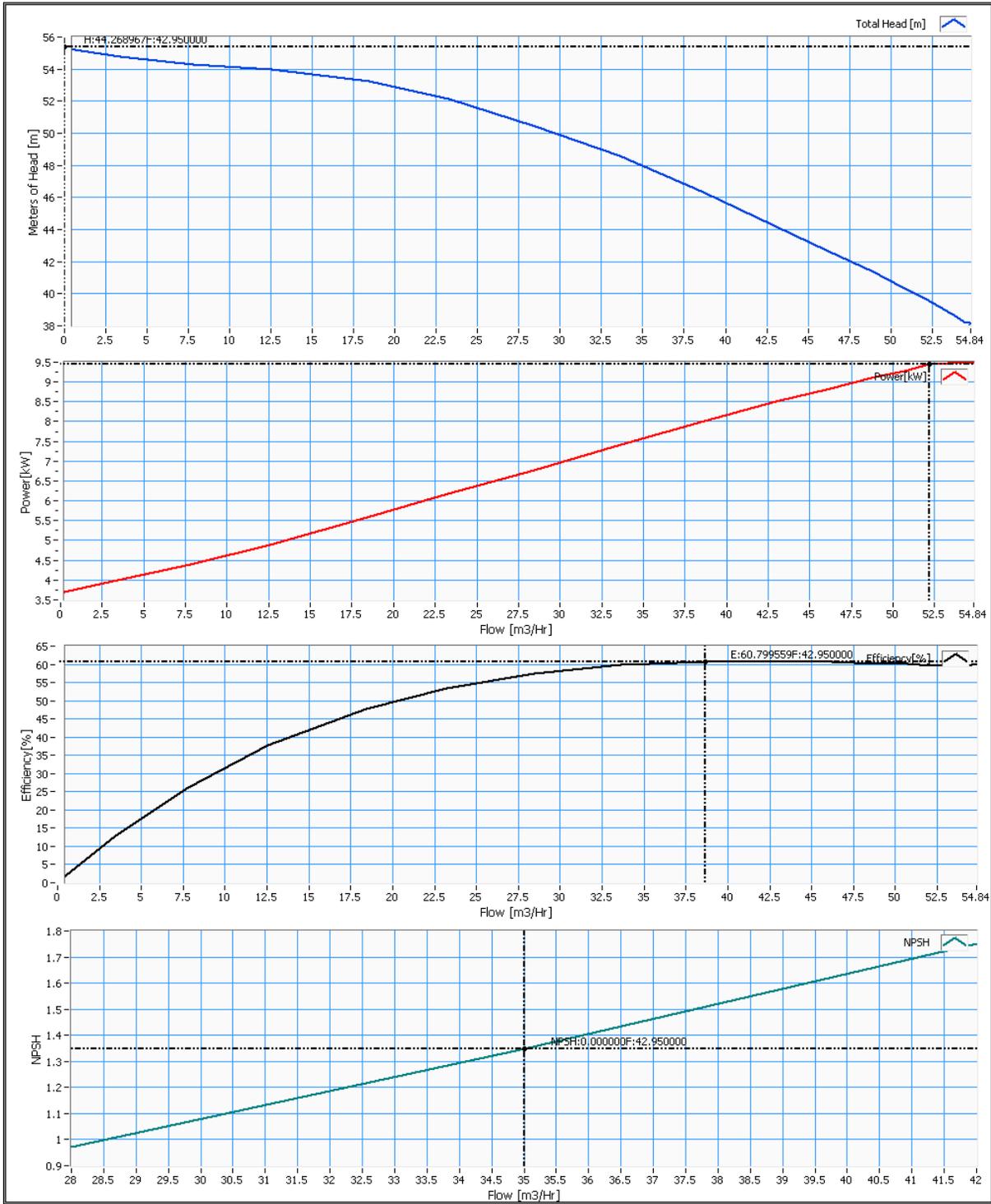


Pump Type:	Surface Pumps	Motor Sl. No:	19876/1236840	Frequency (Hz):	50 Hz	Model Number:	TP3050/2/50/190 /7.5KW
Pump Sl.No:	19876/1236840	Voltage (V):	400	Motor Type:	Air Cooled	Connection Type:	DOL
Delivery Size (mm):	2.00 Inch	Phase:	3 Phase	Correction Head:	1.9	Size (mm):	50.00
No. Of Stages:	1	Maximum Current (A)	20	Total Head (m):	48	Outside Temp (deg):	21.00
Motor Rating (kW/HP):	7.5/10	Speed (rpm):	2900	Discharge (m3/hr):	35	Water Temp (deg):	24.00

TEST RESULT

Sl NO	Suction Pressure [bar]	Static Head [m]	Total Suction Head[m]	Flow [m3/hr]	Delivery Pressure [bar/kg/cm2]	VH [m]	Correction Head [m]	Total Delivery Head[m]	Total Head [m]	Output [WHP]	Voltage [V]	Current [A]	Frequency [Hz]	Motor Input [kW]	Output/Shaft Power BHP[P2] [kW]	Power Factor	Pump Efficiency [%]	Motor Efficiency [%]	Overall Efficiency [%]
1.00	-0.64	0.90	8.98	54.79	2.36	3.12	1.90	29.09	38.07	5.67	391.60	24.10	49.69	11.06	9.47	0.68	59.83	85.66	51.25
2.00	-0.64	0.90	8.99	54.84	2.37	3.13	1.90	29.20	38.18	5.69	394.40	23.83	49.72	11.06	9.47	0.68	60.07	85.66	51.45
3.00	-0.64	0.90	8.94	54.54	2.38	3.10	1.90	29.26	38.20	5.66	394.20	23.96	49.67	11.07	9.47	0.68	59.77	85.59	51.15
4.00	-0.63	0.90	8.82	54.03	2.43	3.04	1.90	29.72	38.53	5.66	396.00	23.56	49.69	10.98	9.47	0.68	59.72	86.29	51.53
5.00	-0.61	0.90	8.64	53.28	2.50	2.95	1.90	30.35	38.98	5.64	394.80	23.33	49.62	10.88	9.47	0.68	59.58	87.08	51.88
6.00	-0.60	0.90	8.42	52.18	2.60	2.83	1.90	31.25	39.67	5.63	396.90	23.27	49.61	10.77	9.44	0.67	59.58	87.67	52.23
7.00	-0.57	0.90	8.10	50.73	2.72	2.68	1.90	32.31	40.42	5.57	394.90	23.16	49.62	10.61	9.27	0.67	60.11	87.37	52.52
8.00	-0.54	0.90	7.72	48.94	2.87	2.49	1.90	33.66	41.38	5.50	395.50	22.38	49.66	10.37	9.13	0.68	60.25	88.08	53.07
9.00	-0.50	0.90	7.20	46.23	3.07	2.22	1.90	35.43	42.62	5.36	394.60	21.84	49.62	10.05	8.84	0.67	60.57	87.97	53.29
10.00	-0.45	0.90	6.60	42.95	3.32	1.92	1.90	37.67	44.27	5.17	396.30	20.74	49.54	9.62	8.50	0.68	60.80	88.35	53.71
11.00	-0.40	0.90	5.88	38.68	3.63	1.56	1.90	40.47	46.35	4.87	394.60	19.77	49.55	9.02	8.02	0.67	60.78	88.88	54.02
12.00	-0.34	0.90	5.11	33.62	3.96	1.18	1.90	43.46	48.56	4.44	396.20	18.24	49.52	8.28	7.41	0.66	59.87	89.51	53.59
13.00	-0.29	0.90	4.44	28.47	4.24	0.84	1.90	45.98	50.42	3.90	394.90	17.02	49.55	7.58	6.78	0.65	57.57	89.39	51.47
14.00	-0.24	0.90	3.88	23.23	4.49	0.56	1.90	48.25	52.12	3.29	395.90	15.55	49.57	6.83	6.17	0.64	53.29	90.41	48.18
15.00	-0.21	0.90	3.46	18.41	4.66	0.35	1.90	49.77	53.23	2.66	394.50	14.47	49.54	6.19	5.59	0.63	47.67	90.26	43.03
16.00	-0.18	0.90	3.09	12.55	4.79	0.16	1.90	50.91	54.00	1.84	396.70	12.63	49.53	5.45	4.89	0.63	37.63	89.81	33.79
17.00	-0.17	0.90	2.89	7.82	4.85	0.06	1.90	51.42	54.31	1.15	396.00	11.77	49.51	4.89	4.39	0.61	26.27	89.87	23.60
18.00	-0.16	0.90	2.80	3.41	4.91	0.01	1.90	51.98	54.78	0.51	397.40	10.34	49.52	4.41	3.99	0.62	12.72	90.51	11.51
19.00	-0.15	0.90	2.71	0.24	4.97	0.00	1.90	52.58	55.28	0.04	396.00	9.92	49.49	4.14	3.70	0.61	0.98	89.29	0.87
20.00	-0.15	0.90	2.68	0.00	4.98	0.00	1.90	52.68	55.36	0.00	396.10	9.79	49.50	4.07	3.67	0.61	0.00	90.06	0.00

PERFORMANCE CURVE



TESTED BY:

APPROVED BY: