
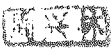




# Pump Performance Test Report

Danai Pumps Co., Ltd

Contract No: 2017-G001		Pump Name: P-1203A			Pump Model: PC40-2250-25								
Pump Code: N2017G00103010		Normal Capacity: 12 m <sup>3</sup> /h			Normal Head: 75.2 m								
Impeller diameter: 240 mm		Incised impeller dia: mm			Vane angle:								
Submersible pump depth: m		Most self-priming height: m			Self-priming time:								
Density of test liquid: 1000		Temp of test liquid: 15 °C			Den of feed liquid: 630 kg/m <sup>3</sup>								
Motor Model: M2JA160M2A		Pgr= 11 kW, n= 2910 r/min, η= 87.2 %, U= 380 V											
Calculation Constant	Suction epiposition (m)		Discharge epiposition (m)		Suction Nozzle (mm)		Discharge Nozzle (mm)						
	0		0.5		80		50						
Data in testing													
Outlet pressure P <sub>2</sub>		Inlet pressure P <sub>1</sub>		Speed difference	Head H	Temp-erature	Flow Q		Water-Power Pu	Power W	Revolu-tion n	Shaft power P	Efficiency η
MPa	mH <sub>2</sub> O	MPa	mH <sub>2</sub> O	m	m	°C	m <sup>3</sup> /h	l/s	kW	kW	r/min	kW	%
0.765	78.06	-0.007	-0.71	0	79.27	15	0	0	0	7.51	2953.1	6.55	0
0.76	77.55	-0.007	-0.71	0.01	78.77	15	3.3	0.9	0.704	8.02	2952.4	6.99	10.1
0.755	77.04	-0.007	-0.71	0.04	78.29	15	6.4	1.8	1.361	8.51	2953.2	7.42	18.4
0.75	76.53	-0.007	-0.71	0.07	77.81	15	9.1	2.5	1.923	9.03	2952.5	7.87	24.5
0.74	75.51	-0.007	-0.71	0.12	76.85	15	12	3.3	2.508	9.48	2952.3	8.27	30.4
0.73	74.49	-0.007	-0.71	0.18	75.88	15	14.4	4	2.966	10.01	2953.6	8.73	34.1
Remarks:													
													
Conclusion:													
Tester (Date)		 17.10.17		Operator (Date)		 17.10.17		Inspector (Date)		 18.12.17			