

CONTRACTOR: 		PROJECT: طرح تأمین آب شهر رابر از سد صفا رود (شهیدان امیر تیموری) به شهر رابر		CLIENT:  شرکت سهامی آب منطقه ای کرمان		CONSULTANT: 	
Doc. title : PUMP Data sheet		REV : 00	Page Number :		Date: 97.02.15		
Equipment :		Location:		1 / 1		By : M.ABOLHASANI	
MAIN PUMPS		RABOR PUMP STATION				Chk'd : N.HOSEINZADEH	
		No. in P&ID: P - 111 A-C				Appr'd : M.MADDAH	
Data sheet for :		consultant ☐ client ☐ purchaser ☐ contract Doc. ☐ Manufacturer ☐				Quantity : 3 units	
RABOR PUMP STATION MAIN PUMP'S MECHANICAL DATASHEET							
Duty:	PUMPING OF RABOR WATER					-	
Model:	125-50/2						
Pump Type:	HORIZONTAL CENTRIFUGAL PUMP					-	
Operation :	CONTINUES					-	
Liquid Type:	TREATED WATER					-	
Normal Capacity :	180					m³/hr	
Min/Max Amb. Temperature:	-5-40					°c	
Min/Max Water temperature:	10 - 30					°c	
Design Temperature:	50					°c	
Fluid Density:	1030					kg/m³	
Fluid Vapour Pressure (@30° C):	-					bara	
Fluid Max. Viscosity (@10° C):	1.3					cp	
Suction Pressure (Min):	0.10					barg	
NPSH Avilable:	-					m	
NPSH Required:	8.00					m	
Discharge Pressure:	60.00					m	
Differential Pressure:	6.00					bar	
Required Head:	60.00					m	
Installation Condition:	Indoor					m	
Method of Starting Spare Pump:	Automatic/Manual					m	
Arrangement:	Horizontal					-	
Suction Diameter:	DN 200					-	
Suction Orientation:	throw pump axis						
Discharge Diameter:	DN 150						
Discharge Orientation:	Vertical					-	
Power Transfer System:	Motor					-	
Pump Efficiency:	76					%	
Approximate Pump weight:	APPROX 1000					kg	
Material Specification							
Housing :	GG-25						
Impeler :	GG-25						
Shaft :	CK 45						
Electrical Specification							
Rated Power:	75					KW	
Mains Frequency:	50					HZ	
Motor speed:	1450					rpm	
Motor enclosure:	IP 55					-	
No. of Pole:	2					-	
Insulation Class:	F					-	
Lubricatant Type:	Grease					-	
MANUFACTURER :	PUMPIRAN						