

نگهداشت و افزایش تولید میدان نفتی بینک

سطح الارض و ابنيه تحت الارض

خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشار گاز بینک

(قرارداد BK-HD-GCS-CO-۰۰۲۳_۰۰)



شماره صفحه: ۱ از ۱۶

.04-.44-4148

DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP پروژه BK تسهیلات صادر کننده بسته کاری نوع مدرك رشته GCS KP 120 ME 0001 V02 DS

طرح نگهداشت و افزایش تولید ۲۷ مخزن

DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP

نگهداشت و افزایش تولید میدان نفتی بینک

V02	APR-2025	AFC	Kalaye Pump	M.Fakharian	S.Faramarzpour	
V01	JAN-2025	IFA	Kalaye Pump	M.Fakharian	S.Faramarzpour	
V00	Nov-2024	IFA	Kalaye Pump	M.Fakharian	M.Sadeghian	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

ctatus	
status	•

IFI: Issued For Information

IFA: Issued For Approval

AFC: Approved For Construction



نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشارگاز بینک (قرارداد -۰۰۲۳_۰۰)BK-HD-GCS-CO-۰۰۲۳.



SOC

اره پیمان: ۱۸۶-۲۳-۹۱۸۶
 DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP

 نسخه سریال لوغ مدرکه رشته تسهیلات مادرکننده بسته کاری پروژه

 BK
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شماره صفحه: ۲ از ۱۶

REVISION RECORD SHEET

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page	V00	V01	V02	V03	V04	V05	V06		page	V00	V01	V02	V03	V04	V05
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•07-•77-9148

نگهداشت و افزایش تولید میدان نفتی بینک

سطح الارض و ابنيه تحت الارض

خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشارگاز بینک

(قرارداد ۳-۱۳۲۰-BK-HD-GCS-CO-۱۲۳)



شماره پیمان:

 DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP

 نسخه سریال نوع مدرک رشته تسهیلات صادرکننده بسته کاری پروژه

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شماره صفحه: ۱۳ از ۱۶

	GENERAL NOTES	
1	Vendor shall fill in the blanks and return the completed data sheet along with Diesel data sheet with his proposal.	KPC : Confirmed
2	Vendor shall submit ITP (Inspection & Testing Plan) with his proposal.	KPC : Confirmed
3	Vendor is requested to confirm the material, or propose appropriate alternative.	KPC : Confirmed
4	For Instrumentation, Project specification 'Specification For Instrument and Control of package Unit System (PU)' Doc. No. BK-GNRAL-PEDCO-000-IN-SP-0004. shall be followed.	KPC : Confirmed
5	Instead of mechanical seal, vendor shall advise the suitable Packing specification.	KPC : Packing is confirmed
6	NPSH test shall be done & witnessed if the margin of NPSHr & NPSHa is less than 1.	KPC : Confirmed
7	The Tie-in flanges shall conform to ASME B-16.1.	KPC : Confirmed
8	Pump drain shall be terminated at skid edge with flange connection and valved.	KPC : Confirmed
9	Supplier to indicate which minimum flow pumps can achieve.	KPC : Confirmed
10	Nozzle loads shall be 2 times the loads shown in API 610 11th Edition.	KPC : Confirmed
11	The Suction line size is 12" and discharge line is 10".	KPC : Confirmed
12	Air release valve shall be considered by vendor .	KPC : Pump is self vent
13	As the pump jobsite environmental condition is fumy and dusty, any required protection for pumps, panels and electrical parts (in accordance with IPS-E-EL-100) in this regard shall be considered by pump manufacturer.	KPC : Confirmed
14	Ultrasonic Test shall be performed for forged shaft.	KPC : Confirmed
15	Couplings shall be dry, flexible and spacer type.	KPC : Confirmed
16	A local control panel shall be considered by vendor to be located next to the pumps as per "Specification For Fire Water Pumps", Doc. No. BK-GCS-PEDCO-120-ME-SP-0005'. Alarm and trip shall be specified for diesel control based on NFPA 20.	KPC : Confirmed
17	Pump LCP shall be designed to manage all required monitoring and control signals, as minimum in accordance with "P&ID For Fire Water Network", Doc.No.BK-GCS-PEDCO-120-SA-PI-0001.	KPC : Confirmed
18	The electrical characteristics of panels shall be specified by vendor such as: - The power demand of control panel The number of control panel.	KPC : Confirmed
19	Fuel daily tank shall be sized for 8 hours and all instruments such as level transmitter with HH/LL Alarm and etc. are in vendor's scope of supply.	KPC : Confirmed
20	Diesel engine shall be tested at 110% rated speed in mechanical running test also the maximum speed of diesel engines shall be 2300 RPM.	KPC : Confirmed
21	pressure sensing lines are in the vendor's scope of supply.	KPC : Confirmed
22	The sparate power & control panels for main pump diesel engine shall be considered by vendor. Therefore required single line, wiring diagram and etc. shall be specified by vendor.	KPC : Confirmed
23	Design pressure is 15.4 barg also as per NFPA 20 standard the hydrotest pressure shall not be less than 17.24 barg.	KPC : Confirmed
24	Estimated BHP at rated capacity is 199.2 kW by considering 65% efficiency.	KPC : Confirmed
25	The pumps shall furnish not less than 150% of rated capacity at not less than 65% of rated head.	KPC : Confirmed



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نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض

خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشارگاز بینک (قرارداد ۱۹۰۰-۱۹۲۵)



شماره صفحه: ۱۶ز۱۶

شماره پیمان: ۹۱۸۶-۷۳-۹۰۳۰

 DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP

 نیخه سریال نوع مدر ک رشته تمپیلات صادر کننده بینه کاری پروژه

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	CI	TRIFUGAL PUMP DATA SHEET (SI UNIT) -	P-2301 B (Sheet 1 of 6)		
	CLIENT:	National Iranian South Oil Company	(NISOC)		
	PROJECT TITLE:	BINAK Gas Compressor Station			
	JOB NUMBER:				
		D 2004 D			
	EQUIPMENT NUMBER:				
	EQUIPMENT SERVICE:	Fire Water Pumps - Diesel Engine D	Priven		
	SERIAL NUMBER:	-			
	REQ. / SPEC NO. :	BK-GCS-PEDCO-120-ME-SP-000	5		
	PURCH ORDER NO.				
Cells colour	red thus contain drop-dowr	pptions			
	contain calculated	alues based on input data; do not change.			
	identify a cross ref	renced paragraph in the document note, a	nd may also contain a drop dow	vn list	
When yo Delete th	ou have completed the DS, highlight the wh hese notes on completion	e page format cells pattern none			
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		DATA SHEET	rs		
PUMP	TTEM No. AT P-2301 B YI	ITEM No.	ATT	ITEM No.	AT
MOTOR	1				
GEAR					



نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنيه تحت الارض

خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشارگاز بینک (قرارداد ۲۳_۰۰-BK-HD-GCS-CO)



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شماره پیمان: DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP پروژه

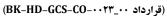
شماره صفحه: ٥ از ١٤

+07-+77-9148			نننده بسته نار			نوع مدر ك رستا	سريال	سحه	ار ۱۶	شماره صفحه: ٥
		BK (GCS K	Р	120 l	ME DS	0001	V02		
			CENTRI	FUGAL PUI	MP DATA SHE	ET (SI UNIT) - P-2301	B (Sheet 2 of 6)			
						(0. 0)	_ (0.0000 = 0.0)			
APPLICABLE TO: PROPO	OSAL				APPLI	CABLE NTL/INTNTL STA	NDARD:		NFPA20 (2019) & IPS	S-M-PM-125
FOR NISOC					UNIT					
SITE BINAK Gas Compresso	or Station				SERV	ICE Fire Wa	ter Pumps - Diesel Eng	gine Driven		
NO. REQ 1	PUMP SIZ		8''x6''		TYPE	BB1		No. STAGE	ES <u>1</u>	
MANUFACTURER		K	ALAYE PU	MP CO.	MODE	EL BB1 (V.	т.с) KPSPF 15	50-570 SERIAL N	0.	
					LIQUID CHA	RACTERISTICS				
	Units	Maximum	Minimum	Note		SERVICE:			INTERN	MITTENT
LIQUID TYPE OR NAME :		Water		Max &	& min	• IF INTERMITTENT NO	. OF STARTS :			
VAPOR PRESSURE :	bara	0.0087	0.1219	values	s refer	PUMPS OPERATE IN:				
DENSITY:	kg/m³		997	only to	o the	CORROSION DUE TO : ((6.12.1.9)			
SPECIFIC HEAT:	kj/kgC		4.186	prope	rty	EROSION DUE TO : (6.1	2.1.9)			
VISCOSITY :	cР		1	listed		H2S CONCENTRATION	(ppm): (6.12.1.12)			N.A.
	OPERAT	TING CONDITIONS (6.1.2)	ı		CHLORIDE CONCENTR	ATION (ppm):			
	Units	Maximum	Rated	Normal	Min	PARTICULATE SIZE (DI	A IN MICRONS)			
NPSH _A Datum:			C.L. Impell	er		PARTICULATE CONCEN	NTRATION (PPM)			
PUMPING TEMPERATURE :	°C	50			5					-
FLOW :	m³/hr		454.20			1				
DISCHARGE PRESSURE :(6.3.2)	barg		10.4			1				
SUCTION PRESSURE :	barg	0.83	0.81		0.08	1				
DIFFERENTIAL PRESSURE :	bar		10.3			1				
DIFFERENTIAL HEAD :	m		105.0			1				
NPSH _A :	m		8.8			1				
HYDRAULIC POWER:	KW		129.50							
III DIGIOLICI O WLAG			125,000		SITE AND I	TILITY DATA				
LOCATION:					SITE ALL C	COOLING WATER :				
	UNHEATED	•	NDER ROOF			COOLING WITLEN		DET	URN DESIGN	
MOUNTED AT:	UNHEATED		SATION REQ'D			TEMP			UKN DESIGN	
ELECTRIC AREA CLASSIFICATIO				ene.		PRESS.				
i								-		
GROUP		TEMP CLASS				SOURCE	our oppe concern	PD 4 TYON	<u></u>	
SITE DATA:		P. P. D. S. F. F. F. F. F. F. F. F. F. F. F. F. F.		000 77	D.		R CHLORIDE CONCEN			
ELEVATION (MSL): 12.5	_	BAROMETE		990.77	тьа	INSTRUMENT AIR :		kg	MIN	kg kg
RANGE OF DESIGN TEMPS:MIN / MA	AX	5	-	°C		STEAM	1			
RELATIVE HUMIDITY: MIN / MAX			100	% (@ 25	5.6 °C)	mer en		DRIVERS	HEATING	
UNUSUAL CONDITIONS:		NA NA				TEMP				
UTILITY CONDITIONS:	1	1	1			PRESS.				
ELECTRICITY: AUXILIARY	HEATING	CONTROL	SHUTDOW	N						
VOLTAGE 400										
PHASE 3										
HERTZ 50										
		PERFORMANCE						DRIVER (7.1.5)		
	XPSPF 150		1490			Driver Type			DIESEL EI	
As Tested Curve No.			PSPF 150-5	70		GEAR			_	NO
		585 MIN.	450	mm		VARIABLE SPEED REQ			_	NO
RATED POWER 180.5 KW		ICIENCY	72	(%)		SOURCE OF VARIABLE	SPEED			
RATED CURVE BEP FLOW (at rated in	npeller dia)		489	m³/hr		OTHER				
MIN FLOW :	_		15	m³/hr		MANUFACTURER			VOL	VO
PREFERRED OPERATING REGION (6	5.1.11)	to	681	m³/hr		NAMEPLATE POWER		@Site Condition	308	8 KW
ALLOWABLE OPERATING REGION		146to	681	m³/hr		Nominal RPM			149	0
MAX HEAD @ RATED IMPELLER			120	m		RATED LOAD RPM			_	
MAX POWER @ RATED IMPELLER			241	kW		FRAME OR MODEL			TAD13	41GE
NPSH3 AT RATED FLOW:			3.5	m		ORIENTATION			HORIZONTAI	<u>. </u>
CL PUMP TO U/S BASEPLATE				m		LUBE				
NPSH MARGIN AT RATED FLOW:			5.3	m						
SPECIFIC SPEED (6.1.9)						RADIAL				
SUCTION SPECIFIC SPEED LIMIT			867			THRUST			/	
SUCTION SPECIFIC SPEED			8498			STARTING METHOD				
MAX. ALLOW. SOUND PRESS. LEVE	EL REQD (6.1.14)		110	(dBA)	@ 1 m	SEE DRIVER DATA SHE	EET			
EST MAX SOUND PRESS. LEVEL				(dBA)		Max Voltage Variation				
MAX. SOUND POWER LEVEL REQ'D	0 (6.1.14)					Max Frequency Variation			-	
EST MAX SOUND POWER LEVEL						Max Voltage and Frequenc	v Variation together			



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NISOC

.04-.44-4148

شماره پیمان: DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP BK GCS KP 120 ME DS V02

شماره صفحه: ٦ از ١٤

									1						_
						CENTRIFUGA	L PUMP DATA SHE	ET (SI UNIT) - P-2301	1 B (Sheet 3 of 6)						
							CONST	RUCTION							
API PUMP TYPE:	В	B1	[1	Based on API 61	0 definitions]		· · · · · · · · · · · · · · · · · · ·	CASING MOUNTING:	:	-		-	FOOT		
								CASING TYPE:		(6.3.10)		SIN	GLE V	OLUTE	
NOZZLE CONNECTION	ONS:	(6.	5.5)	NOTES 7,11				OH3 BACKPULLOUT L	LIFTING DEVICE REQD. ((9.1.2.6)					
		Size	Facing	Rating	ţ	Position		C	CASE PRESSURE RATIN	iG:					
SUCTION		8''	RF	150		SIDE			MAWP:	(6.3.5)	15	By vendor	barg @	Amb.	°C
DISCHARGE		6''	RF	150		SIDE			HYDROTEST:		22.5	1.5*MAWP	barg @	Amb.	°C
PRESSURE CASING	AUX. CON		1			DIDL	l				22.0			111101	
TALESCAL CASTAG.	No.	Size	Type	Facing	Rating	Posn.	1	HVDPOTEST	OH PUMP AS ASSEMBI	ıv				YES	
BAL/LEAK OFF		Size	Турс	racing	Rating	r osn.			S. REGIONS DESIGNED F					YES	
	-	1 (2)	CIVE	DE	150	CIDE			S. REGIONS DESIGNED P		TO 1 4 GOV	m nia min			
DRAIN	1	1/2"	SWF	RF	150	SIDE		ROTATION:				PLING END)		CW	
VENT	1	1/2"	SWF	RF	150	SIDE		•	IMPELLERS INDIVIDU.				-	YES	
PRESSURE GAGE								•	BOLT OH 3/4/5 PUMP T						
TEMP GAGE								•	PROVIDE SOLEPLATE	FOR OH 3/4/5 1	PUMPS				
WARM-UP LINE								ROTOR:							
								SHAFT FLEXIE	BILITY INDEX (SFI) (9.1.1	1.3)					
Drain Valve Supplie	ed By				SUP	PLIER		First Critical Spe	eed Wet (Multi stage pumps	only)					
DRAINS MANIFOL	LDED				Y	ES	•	COMPONENT	BALANCE TO ISO 1940 (G1.0				NO	
VENT Valve Suppli	ied By				SUP	PLIER		SHRINK FIT -L	IMITED MOVEMENT IM	PELLERS (9.2.	2.3)			-	
VENTS MANIFOL	DED				Y	ES	•	COUPLING:(7	7.2.3)		(7.2.13.f)	NOT	E 16		
THREAD. CONS FO	R PIPELINE	SERVICE	& < 50°C (6	5.4.3.2)		NO	-	MANUFACTU	RER				Co	olossus	
SPECIAL FITTING						NO	-	MODEL						SPACER TYPE	
CYLINDRICAL TH						NO	-	RATING (POW	FR/100 RPM)				-		
GUSSET SUPPORT		-	(0.1.5.0)			YES	If Needed	SPACER LENG					-	180 mi	
			TIONE (6	4.2.12)		NO	ii iveeded								ш
MACHINED AND	STUDDED	CONNEC	110N3 (0	+.3.12)	_		-	SERVICE FACT	TOR					Min 1.5	
VS 6 DRAIN						i/A	-	RIGID						NO	
DRAIN TO SKID E	DGE					YES		1	TH HYDRAULIC FIT (7.2						
				ATERIAL (6.1	2.1.1)				LANCED TO ISO 1940-1					YES	
APPENDIX H CLASS				I-2	NOTES 3			COUPLING WI	TH PROPRIETARY CLAN	MPING DEVICE	(7.2.11)				
MIN DESIGN METAL T	ΓΕΜΡ (6.12	.4.1)				5	°C								
REDUCED-HARDNESS	S MATERL	ALS REQT	0 (6.12.1.12	2.1)				COUPLING IN	COMPLIANCE WITH (7.2	2.4)			A	PI 671	
Applicable Hardness Star	ndard (6.12.	1.12.3)						COUPLING GU	JARD STANDARD PER (7	7.2.13.a)			1	ISO 14120	
BARREL:								Window on Coup	pling Guard					YES	
CASE:				GGG40(A	536 60-40	-18)									
DIFFUSERS			-							BASE	PLATE				
IMPELLER:			-	C	95200			API BASEPLAT	TE NUMBER :						
IMPELLER WEAR RING	G:				95200			BASEPLATE C	ONSTRUCTION (7.3.14)				PARTIAL TO	P DECKING	_
CASE WEAR RING :					95200			BASEPLATE D	RAINAGE (7.3.1)				Entire Basepla		_
SHAFT:			-		6 T420			MOUNTING :							_
Bowl (if VS-type)			-	ALI	0 1420				CONSTRUCTION: (7.3.13	n)					_
										"			PROF	TREE.	_
Inspection Class Note 2		DE 4	DD:GG A	ND T I'DDIG		45			VELING SCREWS :	a a appress			REQU		_
				AND LUBRICA	ATION (6.10.1	.1)			AL DRIVER POSITIONING				REQ	UIRED	_
BEARING (TYPE / NUM			11.4)					SUPPLIED WIT	ГН:			ENT HOLES		YES	
	ROLLI		/		1						N CONNEC	CTION		YES	
THRUST	BALI		/		1				ADS SIZED FOR BASEPL		G (7.3.5)			YES	<u> </u>
REVIEW AND APPROV	VE THRUS	T BEARIN	G SIZE : (9	9.2.5.2.4)				MOUNTING PA	ADS TO BE MACHINED ((7.3.6)				YES	<u>. </u>
							_	PROVIDE SPACE	CER PLATE UNDER ALL	EQUIPMENT	FEET			YES	
LUBRICATION:	(6.10.2	2.2) (6.11.3) (9.2.6)		GREA	SE	•	OTHER							
PRESSURE LUBE	SYSTEM T	O ISO 104	38-		(9.2.6.5)		<u>-</u>								
		ISO 104	38 DATA	SHEETS ATTAC	CHED		-	-							
Pressurized Lube Oi	l System mt	d on pump	baseplate					REMARKS:							
Location of Pressuri				paseplate :											
				•				·							
INTERCONNECTI	NG PIPINO	PROVIDE	ED BY		Sm	oplier									
OIL VISC. ISO GRA				VG			-								
CONSTANT LEVE				VG	'		-								
CONSTANT LEVE	L OILER :														
I								1							



نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنيه تحت الارض

خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشارگاز بینک (قرارداد ۲۳_۰۰ -BK-HD-GCS-CO)





NISOC

DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP

شماره پیمان: پروژه نوع مدرک سريال .04-.44-1145 BK GCS KP 120 ME DS 0001 V02

شماره صفحه: ۱۷ از ۱۶

CENTRIFUGAL PUMP DATA SE	IEET (SI UNIT) - P-2301 B (Sheet 4 of 6)	
INSTRUMENTATION	SEAL SUPPORT SYSTEM M	10UNTING
SEE ATTACHED API-670 DATA SHEET	SEAL SUPPORT SYSTEM MOUNTED ON PUMP BASEPLATE	
ACCELEROMETER (7.4.2.1)		(7.5.1.4)
Number of Accelerometers	IDENTIFY LOCATION ON BASEPLATE	
Mounting Location of Accelerometers		
	INTERCONNECTING PIPING BY	Supplier
PROVISION FOR MTG ONLY (6.10.2.10) YES		
Number of Accelerometers	MECHANICAL SEAL	(6.8.1)
Mounting Location of Accelerometers	SEE ATTACHED ISO 21049/API 682 DATA SHEET	N/A NOTE 5
Woulding Docaton of Accelerometers		
	ADDITIONAL CENTRAL FLUSH PORT	(6.8.9)
FLAT SURFACE REQUIRED (6.10.2.11) N/A	HEATING JACKET REQ'D.	(6.8.11) N/A
Number of Accelerometers	FLUSH PLAN	
Mounting Location of Accelerometers		
VIBRATION PROBES (7.4.2.2) N/A	HEATING AND COOLING	G (6.1.17)
PROVISIONS FOR VIB. PROBES	COOLING REQ'D	NO
NUMBER PER RADIAL BEARING	COOLING WATER PIPING PLAN	
	COOLING WATER PIPING	
NUMBER PER AXIAL BEARING		ny co
	FITT	INGS
MONITORS AND CABLES SUPPLIED BY (7.4.2.4)	COOLING WATER PIPING MATERIALS	
	COOLING WATER REQUIREMENTS:	
TEMPERATURE (7.4.2.3)		
PROVISIONS FOR TEMP PROBES		
RADIAL BEARING TEMP.	TOTAL COOLING WATER	
NUMBER PER RADIAL BEARING	HEATING MEDIUM	
		
THRUST BEARING TEMP.	OTHER	
NUMBER PER THRUST BEARING ACTIVE SIDE	HEATING PIPING	
NUMBER PER THRUST BEARING INACTIVE SIDE		
TEND GAVIERS STREET, SOUTH STREET, SOUTH S	PIPING & APPURTENA	ANCES
TEMP. GAUGES (WITH THERMOWELLS) (9.1.3.6)		
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6)	
		YES
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT	
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN	YES
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES	YES YES (NOTE 8)
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8)
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
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PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO
PRESSURE GAUGE TYPE	MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6) VENT DRAIN VALVES COOLING WATER TAG ALL ORIFICES (7.5.2.4)	YES YES (NOTE 8) NO



نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض

خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشار گاز بینک (قرارداد ۱۹۲۰-OK-HD-GCS-CO-۰۰۲۳)



NISOC

٤٨١٩-٣٧٠-٣١٨٤

ا شماره پیمان:

| DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP
| مسخه سریال نوع مدر ک رشته تسهیلات صادر کننده بسته کاری پروژه
| BK GCS KP 120 ME DS 0001 V02

شماره صفحه: ۱۸ز ۱۶

				(CENTRIFUGA	L PUMP DATA SHEE	CT (SI UNIT) -P-2301 B (Sheet 5 of 6)			
		CIT	DEACE DDEDA	DATION AND DAINT	3			TEST		
MANUFACTU	RER'S STAND		MACE PREPAI	RATION AND PAINT	1		SHOP INSPECTION (8.1.1)	1631		Yes
OTHER (SEE I						-	PERFORMANCE CURVE			
SPECIFICATION	ON NO.	BK-GNRAL-P	PEDCO-000-PI-SP	-0006, "Specification		-	& DATA APPROVAL PRIOR TO SH	IPMENT.		YES
		for Painting"					TEST WITH SUBSTITUTE SEAL (8.	3.3.2.b)		
PUMP:							MATERIAL CERTIFICATION REQU	TIRED	CASING	YES
PUMP SURFA	CE PREPARA	TION					SHAFT	YES	(6.12.1.8) IMPELLER	YES
PRIMER			-	AS PER PROJECT PAI	NTING SPEC.	-	OTHER	YES Casing and imp	eller Wear ring	
FINISH COAT				AS PER PROJECT PAI	NTING SPEC.	_	CASTING REPAIR WELD PROCED	JRE APPR REQD		YES
BASEPLATE:	:						INSPECTION REQUIRED FOR CON	NECTION WELDS (6.12.3.	4.d) KPC:NOT APPLICABLE	
BASEPLATE S	SURFACE PRE	EPARATION					LIQUID PENETRANT	YES	MAG PARTICLE	
PRIMER:				AS PER PROJECT PAI	NTING SPEC.	-	ULTRASONIC		RADIOGRAPHY	YES
FINISH COAT				AS PER PROJECT PAI	NTING SPEC.		INSPECTION REQUIRED FOR CAS	TINGS	_	
DETAILS OF I	JFTING DEVI	CES					LIQUID PENETRANT	YES	MAG PARTICLE	NO
SHIPMENT:	8.4.1)			EXP	ORT	-	ULTRASONIC	YES	RADIOGRAPHY	
EXPORT BOX	ING REQUIRE	ED			YES	-	HARDNESS TEST REQUIRED (8.2.2	2.7)	_	
OUTDOOR ST	ORAGE MOR	E THAN 6 MON	THS		YES	-	ADDNL SUBSURFACE EXAMINAT	TON (6.12.1.5) (8.2.1.3)		
						-			FOR	
ROTOR STOR	AGE ORIENT	ATION (9.2.8.2)							METHOD	
SHIPPING & S	TORAGE CON	NTAINER FOR V	ERT STORAGE (9	9.2.8.3)		-				
N ₂ PURGE (9.2	2.8.4)						PMI TESTING REQUIRED (8.2.2.8)			
SPARE PART	S					-	COMPONEN	TS TO BE TESTED		
START-UP					YES		RESIDUAL UNBALANCE TEST (J.4	.1.2)		
NORMAL MA	INTENANCE				YES	-	NOTIFICATION OF SUCCESSFUL S	SHOP		YES
							PERFORMANCE TEST (8.1.1.c) (8.3	3.5)		YES
ITEM No	PUMP	DRIVER	GEAR	BASE		TOTAL	BASEPLATE TEST (7.3.21)			
P-2301 B	750	1790	Not applicable	840		3420	HYDROSTATIC			WIT
							HYDROSTATIC TEST OF BOWLS &	c COLUMN (9.3.13.2)		
							PERFORMANCE TEST			WIT
		OTI	HER PURCHAS	ER REQUIREMENT	S		TEST IN COMPLIANCE WITH (8.3.3	3.2)		NFPA 20
COORDIN	NATION MEET	ΓING REQUIREI	O (10.1.3)		YES		TEST DATA POINTS TO (8.3.3.3)			NFPA 20
MAXIMU	M DISCHARG	E PRESSURE TO	O INCLUDE				TEST TOLERANCES TO (8.3.3.4)			TABLE 16
						_	NPSH (8.3.4.3.1) (8.3.4.3.4)		NOTE 6	WIT
		OPERATION	TO TRIP SPEED				NPSH-1ST STG ONLY (8.3.4.3.2)			
	MAX D	DIA. IMPELLERS	AND/OR NO OF S	STAGES	YES		NPSH TESTING TO HI 1.6 OR ISO 9	906 (8.3.4.3.3)		
CONNEC	TION DESIGN	APPROVAL (9.	2.1.4)		YES	_	TEST NPSHA LIMITED TO 110% SI	TE NPSHA (8.3.3.6)		
TORSION	AL ANALYSIS	S / REPORT (6.9	.2.10)		NO	_	RETEST ON SEAL LEAKAGE (8.3.3	2.d)		OBSERVE
PROGRES	SS REPORTS				YES	_	RETEST REQUIRED AFTER FINAL	HEAD ADJ (8.3.3.7.b)		
OUTLINE	OF PROC FO	R OPTIONAL TE	ESTS (10.2.5)			_	COMPLETE UNIT TEST (8.3.4.4.1)			WIT
ADDITIO	NAL DATA RI	EQUIRING 20 YI	EARS RETENTION	N (8.2.1.1)		_	SOUND LEVEL TEST (8.3.4.5)			WIT
					YES	_	CLEANLINESS PRIOR TO FINAL A	SSEMBLY (8.2.2.6)		OBSERVE
LATERAI	ANALYSIS R	REQUIRED (9.1.3	3.4) (9.2.4.1.3)		NO	_	LOCATION OF CLEANLINESS INSI	PECTION		
MODAL A	ANALYSIS RE	QUIRED (9.3.9.2	!)			_	NOZZLE LOAD TEST			
DYNAMI	C BALANCE R	ROTOR (6.9.4.4)			YES	_	CHECK FOR CO-PLANAR MOUNT	ING PAD SURFACES		
INSTALL	ATION LIST IN	N PROPOSAL (10	0.2.3.1)		YES	_	MECHANICAL RUN TEST UNTIL (OIL TEMP STABLE		
VFD STE.	ADY STATE D	DAMPED RESPO	NSE ANALYSIS (6.9.2.3)		NO	4 HR. MECH RUN AFTER OIL TEM	P STABLE (8.3.4.2.1)		WIT
TRANSIE	NT TORSION	AL RESPONSE			NO	_	4 HR. MECH RUN TEST (8.3.4.2.2)			
BEARING	LIFE CALCU	LATIONS REQU	TIRED (6.10.1.6)			_	BRG HSG RESONANCE TEST (8.3.4	1.7)		
IGNITION	HAZARD AS	SMT TO EN 134	63-1 (7.2.13.e)			_	STRUCTURAL RESONANCE TEST	(9.3.9.2)		
CASING I	RETIREMENT	THICKNESS DE	RAWING (10.3.2.3)				REMOVE / INSPECT HYDRODYNA	MIC BEARINGS AFTER T	EST	
	RQD IN PLAC	CE OF SKT WEL	D UNIONS (7.5.2.8)			(9.2.7.5)			
INCLUDE							AUXILIARY EQUIPMENT TEST (8	3.4.6)		
	PLOTTED VI	BRATION SPEC	TRA (6.9.3.3)			- 1				
CONNEC	PLOTTED VI		TRA (6.9.3.3)			-	EQUIPMENT TO BE INCLUDED IN	AUXILIARY TESTS		
	TION BOLTIN					-	EQUIPMENT TO BE INCLUDED IN LOCATION OF AUXILIARY EQUIP			
CADMIU	TION BOLTIN M PLATED BO	IG (7.5.1.7)	ED			-		MENT TEST	EN 13445	
CADMIUI VENDOR	TION BOLTIN M PLATED BO TO KEEP REF	IG (7.5.1.7) DLTS PROHIBITI	ED CDS (8.2.1.1.c)		YES	- - -	LOCATION OF AUXILIARY EQUIP	MENT TEST PER	EN 13445 ASME SECTION VIII	



نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنيه تحت الارض خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشارگاز بینک (قرارداد ۲۳_۰۰-BK-HD-GCS-CO)



شماره پیمان: DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP

٤٨١٩-٣٧٠-٩١٨٤

ر رشته تسهیلات صادر کننده بسته کاری GCS KP 120 ME DS

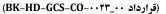
شماره صفحه: ۹ از ۱۶

	CENTRIFUGAL PUMP DATA	A SHEET (SI UNIT) - P-2301 B (Sheet 6 of 6)		
	DDECCTOR VECCE	T. DECKN CODE DEFEDENCES		
THESE REFERENCES MUST	BE LISTED BY THE MANUFACTURER	L DESIGN CODE REFERENCES		
	NG FACTORS USED IN DESIGN (TABLE 3)			
	SOURCE OF MATERIAL PROPERTIES			_
				_
	WELDING	AND REPAIRS (NOTE 12)		
THESE REFERENCES MUST BE LISTED BY THE	PURCHASER. (DEFAULT TO TABLE 11 IF NO PURCHASER PREF	ERENCE IS STATED)		
ALTERNATE WELDING CODES AND STANDARD	os			
WELDING REQUIREMENT (APPLICABLE CODE O	OR STANDARD)		DEFAULT PER TABLE 11	_
WELDER/OPERATOR QUALIFICATION			DEFAULT PER TABLE 11	
WELDING PROCEDURE QUALIFICATION			DEFAULT PER TABLE 11	_
NON-PRESSURE RETAINING STRUCTURAL WEL			DEFAULT PER TABLE 11	
MAGNETIC PARTICLE OR LIQUID PENETRANT E	EXAMINATION OF PLATE EDGES		DEFAULT PER TABLE 11	_
POSTWELD HEAT TREATMENT			DEFAULT PER TABLE 11	
POSTWELD HEAT TREATMENT OF CASING FAB	RICATION WELDS		DEFAULT PER TABLE 11	
	M.1777	ERIAL INSPECTION		
THESE REFERENCES MUST BE LISTED BY THE		ERIAL INSPECTION	DEFAULT TO TABLE 14 YE	c
ALTERNATIVE MATERIAL INSPECTIONS AND A			DEFACE TO TABLE 14	
TYPE OF INSPECTION	METHOD	FOR FABRICATIONS	FOR CASTINGS	\neg
RADIOGRAPHY	·			
ULTRASONIC INSPECTION				
MAGNETIC PARTICLE INSPECTION				
LIQUID PENETRANT INSPECTION				
VISUAL INSPECTION (all surfaces)				
-				
-				
-				



نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض

خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشار گاز بینک





3418-74-200

DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP

نسخه سریال نوع مدرک رشته تمهیلات صادرکننده بسته کاری پروژه

BK GCS KP 120 ME DS 0001 V02

شماره صفحه: ۱۰ از ۱۶

			Die	Engine Data Sheet For Fire Water Pum	p - P-2301 B (SI UNIT) (1 of 4)			
SERVICE:				MAN	UFACTURER:			VOLVO
FOR:		s - Diesel Engine Driven			EL NO:			TAD 1341
	NISOC			TYPE				IAU 1341
SITE: NO. REQUIRED:	BINAK Gas Comp	pressor Station			:			
NO. REQUIRED:	1							
				(Note	1)		R	EMARKS
OPERATING CONDITION	NS			<u> </u>	<u> </u>			
DIESEL ENGINE MANUFA	ACTURER							
ISO POWER (ISO 3046)		kW	308					
ISO SPEED		rpm	1490					
SITE CONTINUOUS RATE	ED POWER	kW	275					
SITE CONTINUOUS RATE	ED SPEED	rpm	1490					
OVERLOAD SITE POWER	1	kW						
OVERLOAD SPEED		rpm						
OVERLOAD DURATION		h						
DIRECTION OF ROTATIO	ON (FROM CPLG)	CW/CCW	CCW					_
SPEED RANGE		±% rpm						
IDLE SPEED		rpm	900					
LOADING TIME		s	10					
1								
PERFORMANCE								
% OF MAX CONT SITE PO						[
FUEL SPECIFIC CONSUM	IPTION	g/kWh		<u> </u>				
TOLERANCE		%						
SPEED		rpm (NOTE 20)						
LOAD ACCEPTANCE RAT	ΓING	% 1 step		-				
ENGINE DATA								
CYCLE:- 2 STROKE/4 ST	ROKE					4 STROKE R	EQUIRED	KPC:Confirmed
NUMBER OF CYLINDERS						-		
IN-LINE/V FORM								_
BORE/STROKE		mm						
CAPACITY		liters						
BMEP (RATED)								
PISTON SPEED		m/s						
COOLING SYSTEM: AIR/	WATER						ED SYSTEM n & Radiator)	KPC:Confirmed
TURBOCHARGER:-					_	-		
SINGLE OR SERIES								
INTERCOOLER		CA or CW						
EMISSIONS				-				
No _x EMISSION		g/kWh				IPS-E-	SF-860	KPC:Confirmed
CO EMISSION		g/kWh				102	51 000	
CO ₂ EMISSION		g/kWh						
STARTING SYSTEM								
AIR:-								
NUMBER OF TANKS				-				
PRESSURE		Barg / Kpag		-				
CAPACITY		m ³						
NO. OF STARTS W/OUT	REFILLING							
STARTING SYSTEM								
ELECTRICAL:-								YES
NO. OF BATTERIES								rith 200 ampere hour capacity r equal to 100% of power)
TYPE							Nick	sel - Cadmium
TOTAL CAPACITY		Ah				l		
STARTING CIRCUIT				_		<u> </u>		
STARTING MOTOR								



نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض

خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشارگاز بینک (قرارداد BK-HD-GCS-CO-۰۰۲۳_۰۰)



شماره پیمان:

٠٥٣-٠٧٣-٩١٨٤

,		DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP											
	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه					
	BK	GCS	KP	120	ME	DS	0001	V02					

شماره صفحه: ۱۱ از ۱۶

HYDRAULIC:-		
HYDRAULIC:-		
ACCUMULATOR/MOTOR		
NO OF STARTS PER 5 SEC CRANKS		
NO OF ACCUMULATORS		
BARRING SYSTEM		
WANUAL/ELEC/HYDRAULIC IF REQ'D		MANUAL
LUBRICATION		
DRY SUMP		
	h / W	
SYSTEM;- PRESSURE	bar g / Kpa g	
OIL QUANTITY		
OIL CONSUMPTION	g/kwh	
PUMPS	Main/Aux	
DIL FILTER:-		
CHANGE OVER WHILE RUNNING	Reqd y/n	
FILTER:-		TWO STAGE
ТҮРЕ	Wet or dry	
NUMBER		
AIR CUT OFF SYSTEM ("RIG SAVER")		YES
,		
EXHAUST SYSTEM		
ENGINE PIPE OUTLET		YES
SPARK ARRESTOR		YES
	dRA @1m	YES - 85
SILENCER	dBA @1m	
XPANSION JOINT	Caalin	YES PERSONNEL PROTECTION
XHAUST MANIFOLD	Cooling	PERSONNEL PROTECTION
:UEL		
WAX STATIC HEAD ABOVE FUEL INLET		
	V/N	YES
FILTER CLEANABLE WHILE RUNNING	Y/N	
SELF CLEANING	Y/N	YES
CHANGEOVER WHILE RUNNING	Y/N	YES
HEAT EMISSIONS		
TO COOLING SYSTEM	kW	
TO AMBIENT	kW	
SITE AND INSTALLATION DATA	NII	
ALTITUDE	m	
MBIENT TEMPERATURE MIN/MAX	°C	
DESIGN TEMPERATURE	°C	52
IUMIDITY	%	
VIND SPEED	km/h	
TMOSPHERIC AIR (DUST/FUMES)		
ODDOCION DV		
ORROSION BY		
OKROSION BY		
OCATION:- INDOOR/OUTDOOR		OUTDOOR



نگهداشت و افزایش تولید میدان نفتی بینک

سطح الارض و ابنيه تحت الارض

خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشار گاز بینک (قرارداد ۵۲-۱۳۲۰)



شماره پیمان:

DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP

نسخه سريال نوع مدر ک رشته تسهيلات صادر کننده بسته کاری پروژه BK GCS KP 120 ME DS 0001 V02 شماره صفحه: ۱۲ از ۱۶

IEATED / LINUEATED				LIMILIE A TEEN
HEATED / UNHEATED				UNHEATED
NDER ROOF / PARTIAL SIDES				UNDER ROOF
REA CLASSIFICATION				-
TARTING:- LOCAL / REMOTE				
VAILABLE UTILITIES				
OOLING WATER:-				FROM FIRE WATER PUMP DISCHARGE
RESSURE	bar g / kPa g			
VAILABLE PRESSURE DROP	bar / kPa			
MPERATURE	°C			
MPERATURE CHANGE	°C			
STRUMENT AIR:-				
RESSURE	bar g / kPa g			
MPERATURE	°C			
W POINT	°C			
ECTRICITY SUPPLY	AC			
JEL CHARACTERISTICS:-		-		
JEL OIL CLASSIFICATION			_	-
SCOSITY	сР			-
MPERATURE	°C			
PERATING DURATION	hrs			
PURITIES	% weight	-		
. OKT IES	70 Weight			
IEL CVCTEM				
JEL SYSTEM AY TANK REQUIRED (NOTE 19)				YES
				ENGINE SUPPLIER
ANK SUPPLIED BY				
APACITY	hrs			AS PER NFPA 20
OCATION				OFF-SKID
EIGHTS AND DIMENSIONS				
EAVIEST PART FOR ERECTION				
EAVIEST PART FOR MAINTENANCE		-		
EIGHT OF ENGINE ONLY				
EIGHT OF SET				
EIGHT OF CONTROL PANEL				
EIGHT UNDER HOOK				
MENSIONS FOR MAINTENANCE				
AINTING				
ANDARD/OTHER				IPS-E-TP-100
SPECTION AND TESTING				
ANUFACTURER'S STANDARD				
THER		-		IPS-M-PM-290
STRUMENTATION		ALARM	SHUTDOWN	IPS-M-PM-290 SECTION 6.8.
JBRICATING OIL PRESSURE				Remark: P&ID For Fire Water Network
IEL PRESSURE				(No.BK-GCS-PEDCO-120-SA-PI-0001.)
IGINE OIL TEMPERATURE				shall be followed.
IEL TEMPERATURE				
ER SPEED				
FF PRESS SWITCH ON FILTER		-		
ANOMETER ON OIL CIRCUIT;				
DOWNSTREAM OF PUMP				
DOWNSTREAM OF FILTER IGHT GLASSES ON OIL CIRCUIT				



نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنيه تحت الارض خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشارگاز بینک (قرارداد ۳۰۰-BK-HD-GCS-CO-



DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP شماره پیمان:

سريال نوع مدر ک رشته تسهيلات صادر کننده بسته کاری پروژه

شماره صفحه: ۱۳ از ۱۶

- CIT-CINC	BK	GCS	KP	120	ME	DS	0001		V02		
		D	iesel Engine D:	ata Sheet For I	Fire Water Pun	n - P-2301 B (S	SI UNIT) (4 of 4)				
			Zngme Di	Once Pui I	racci i dil	-F 2001 D (C	(
ENGINE EXHAUST TURBOCHARGER											
			TE BEFORE/			PI BEFORE/					
			AFTER COOLE	ER		AFTER COOLE	R				
CIRCUIT OF:											
RAW WATER				1			/				
FRESH WATER				/			/				
OIL			———	/			/				
SUPERCHARGING:											
AIRSIDE				/			/	1			
WATERSIDE				1			/				
REMARKS:			l			1					
For each pump set one 400V, 3PH/N aux	iliary feeder	is delivered b	y purchaser.								
All required power for local control panel					s request.						
	•	<u> </u>									
-											
											
-											
-											
·											
-											
-											



KALAYE PUMP CO.

Performance curve





Item No.	P-2301 B	Pump Model	KPSPF 150-570	Flow,Rated (m^3/h)	454.2
Liquid	Water	Speed (rpm)	1490	Head (m)	105
Temp. (°c)	-3.5 / 53	Rated Imp.Dia. (mm)	530	Efficiency (%)	72
Density(kg/m ³)	997	Suction Size (Inch)	8	NPSHR (m)	3.5
Viscosity (cp)	1	Disch. Size (Inch)	6	Rated Power (kw)	180.5
NPSHA (m)	8.8	NSS (m³/h,m,rpm)	8498	Diesel Power (kw)	308

