



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 ۰۰۲۳-۰۰ BK-HD-GCS-CO)



شماره پیمان:

۰۵۳-۰۷۳-۹۱۸۴

DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER JOCKEY PUMPS

نسخه	سریال	نوع مدرک	رشته	تهیهات	صادرکننده	بسته کاری	پروژه
V02	0003	DS	ME	120	KP	GCS	BK

شماره صفحه: ۱ از ۱۰

طرح نگهداشت و افزایش تولید ۲۷ مخزن

DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER JOCKEY PUMPS

نگهداشت و افزایش تولید میدان نفتی بینک

V02	APR-2025	AFC	Kalaye Pump	M.Fakharian	S.Faramarzpour	
V01	JAN-2025	AFC	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

status:

IFA: Issued For Approval

IFI: Issued For Information

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 فشار گاز بینک
(قرارداد ۰۰۲۳-۰۰۰۰-BK-HD-GCS-CO)



شماره پیمان:

۰۵۳-۰۷۳-۹۱۸۴

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V02	0003	DS	ME	120	KP	GCS	BK

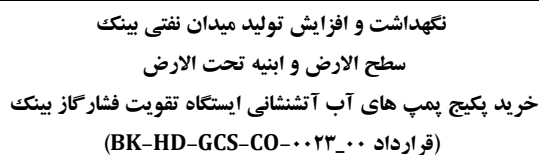
شماره صفحه: ۲ از ۱۰

REVISION RECORD SHEET

page	V00	V01	V02	V03	V04	V05
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 NISOC	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 ۰۰۲۳-۰۰۰۰-BK-HD-GCS-CO)								
شماره پیمان: ۰۵۳-۰۷۳-۹۱۸۴	DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER JOCKEY PUMPS							شماره صفحه: ۳ از ۱۰	
	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع موتور	سریال		نسخه
	BK	GCS	KP	120	ME	DS	0003		V02
GENERAL NOTES									
1 Vendor shall fill in the blanks and return the completed data sheet along with Motor data sheet, "DOC NO.: BK-GCS-PEDCO-120-EL-DT-0008 & 0009 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 Mechanical seal data sheet shall fill in by vendor as per API 682, 4th edition.								KPC : 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 Electrical motor shall be rated for the end of curve.								KPC : Confirmed	
12 The Suction line size is 2 " and discharge line is 2 ".								KPC : Confirmed	
13 Pump Manufacturer shall supply all instrumentation for mechanical seals as per API 682 4th Edition and project requirements.								KPC : Confirmed	
14 Based on project instrumentation specification, these equipments are classified as Type C. Electro pump shall include a dedicated controller/ starter panel installed on pump skid as per NFPA 20 (2019). Pressure switch and pressure sensing line and its accessories are in vendor scope of work and supply. As per NFPA 20 dedicated sensing line and control panel for jockey pumps and separated from main pumps shall be considered by vendor.								KPC : Based on project instrumentation specification, these equipments are classified as Type A	
15 Welding repair procedures shall be submitted for approval.								KPC : Confirmed	
16 If pump is self venting there is no need for vent .								KPC : Confirmed	
17 For information on site conditions refer to Process Basis of Design document; Doc.No: BK-GNRAL-PEDCO-000-PR-DB-0001., electrical motor shall be rated according to project site condition. any required protection for pumps in this regard shall be considered by pump manufacturer.								KPC : Confirmed	
18 Ultrasonic Test shall be performed for forged shaft.								KPC : Confirmed	
19 Couplings shall be dry, flexible and spacer type.								KPC : Confirmed	
20 For electrical motor descriptions, refer to 'Specification For LV Induction Motors' Doc. No. BK-GNRAL-PEDCO-000-EL-SP-0010.								KPC : Confirmed	
21 A local control panel shall be considered by vendor to be located next to the pumps as per "Specification For Fire Water Network", Doc.No.BK-GCS-PEDCO-120-SA-PI-0001. 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	
22 Pressure sensing lines are in the vendor's scope of supply.								KPC : Confirmed	
23 For technical requirements of electrical lv motors refer to "Data sheets "for lv induction motors: DOC NO:BK-GCS-PEDCO-120-EL-DT-0008". Power Factor, efficeincy, frequent, voltage, frequent variation and voltage variation of motor shall be specified by vendor in data sheet.								KPC : Confirmed	



شماره پیمان:

• 03-073-9184

DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER JOCKEY PUMPS

شماره صفحه: ۴ از ۱۰

نسخه	سرنال	نوع مدرک	رشته	تسهيلات	صادرکننده	بسته کاری	پروژه
V02	0003	DS	ME	120	KP	GCS	BK

CENTRIFUGAL PUMP DATA SHEET (SI UNIT) - P-2302 A/B (Sheet 1 of 6)

CLIENT: National Iranian South Oil Company (NISOC)

PROJECT TITLE: BINAK Gas Compressor Station

JOB NUMBER:

EQUIPMENT NUMBER: P-2302 A/B

EQUIPMENT SERVICE: Fire Water Jockey Pumps

SERIAL NUMBER:

REQ. / SPEC NO. : BK-GCS-PEDCO-120-ME-SP-0005

PURCH ORDER NO.

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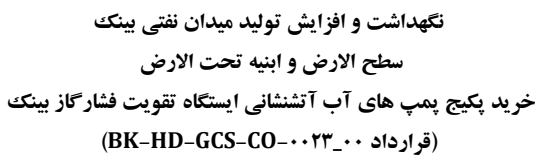
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COMMENTS:

PUMP MOTOR GEAR TURBINE	DATA SHEETS					
	ITEM No.	ATT	ITEM No.	ATT	ITEM No.	ATT
	P-2302 A	YES	P-2302 B	YES		

 NISOC	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 ۰۰۲۳_۰۰-BK-HD-GCS-CO)
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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشار گاز بینک (BK-HD-GCS-CO--۰۰۲۳_۰۰ قرارداد)							 HIRGAN ENERGY  Kalaye Pump Co.
شماره پیمان: ۰۵۳-۰۷۳-۹۱۸۴	DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER JOCKEY PUMPS							شماره صفحه: ۱۰ از ۶
	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	
	BK	GCS	KP	120	ME	DS	0003	
CENTRIFUGAL PUMP DATA SHEET (SI UNIT) - P-2302 A/B (Sheet 3 of 6)								
CONSTRUCTION								
API PUMP TYPE: OH2 [Based on API 610 definitions]					CASING MOUNTING:			
NOZZLE CONNECTIONS: (6.5.5) NOTES 7, 12					CASING TYPE: (6.3.10)			
SUCTION					OH3 BACKPULLOUT LIFTING DEVICE REQD. (9.1.2.6)			
DISCHARGE					CASE PRESSURE RATING:			
PRESSURE CASING AUX. CONNECTIONS: (6.4.3.2)					MAWP : (6.3.5) 15 By vendor barg @ Amb. °C			
BAL./LEAK OFF					HYDROTEST : 22. 1.5*MAWP barg @ Amb. °C			
DRAIN					HYDROTEST OH PUMP AS ASSEMBLY YES			
VENT					SUCT'N PRESS. REGIONS DESIGNED FOR MAWP YES			
PRESSURE GAGE					ROTATION: (VIEWED FROM COUPLING END) CW			
TEMP GAGE					IMPELLERS INDIVIDUALLY SECURED : YES			
WARM-UP LINE					BOLT OH 3/4/5 PUMP TO PAD / FOUNDATION :			
DRAIN Valve Supplied By					PROVIDE SOLEPLATE FOR OH 3/4/5 PUMPS			
DRAINS MANIFOLDED					ROTOR:			
VENT Valve Supplied By					SHAFT FLEXIBILITY INDEX (SFI) (9.1.1.3)			
VENTS MANIFOLDED					First Critical Speed Wet (Multi stage pumps only)			
THREAD. CONS FOR PIPELINE SERVICE & < 50°C (6.4.3.2)					COMPONENT BALANCE TO ISO 1940 G1.0			
SPECIAL FITTINGS FOR TRANSITIONING (6.4.3.3)					SHRINK FIT -LIMITED MOVEMENT IMPELLERS (9.2.2.3)			
CYLINDRICAL THREADS REQUIRED (6.4.3.8)					COUPLING:(7.2.3) (7.2.13.f) NOTE 16			
GUSSET SUPPORT REQUIRED					MANUFACTURER Colossus			
MACHINED AND STUDDED CONNECTIONS (6.4.3.12)					MODEL FLEXIBLE SPACER TYPE			
VS 6 DRAIN					RATING (POWER/100 RPM)			
DRAIN TO SKID EDGE					SPACER LENGTH 140 mm			
MATERIAL (6.12.1.1)					SERVICE FACTOR Min 1.5			
APPENDIX H CLASS I-2 NOTE 3					RIGID NO			
MIN DESIGN METAL TEMP (6.12.4.1) 5 °C					COUPLING WITH HYDRAULIC FIT (7.2.10)			
REDUCED-HARDNESS MATERIALS REQ'D (6.12.1.12.1)					COUPLING BALANCED TO ISO 1940-1 G6.3 (7.2.3) YES			
Applicable Hardness Standard (6.12.1.12.3)					COUPLING WITH PROPRIETARY CLAMPING DEVICE (7.2.11)			
BARREL :					COUPLING IN COMPLIANCE WITH (7.2.4) API 671			
CASE :					COUPLING GUARD STANDARD PER (7.2.13.a) ISO 14120			
DIFFUSERS					Window on Coupling Guard YES			
IMPELLER :					BASEPLATE			
IMPELLER WEAR RING :					API BASEPLATE NUMBER :			
CASE WEAR RING :					BASEPLATE CONSTRUCTION (7.3.14) PARTIAL TOP DECKING			
SHAFT: A276 T420					BASEPLATE DRAINAGE (7.3.1) Entire Baseplate Drain Pan			
Bowl (if VS-type)					MOUNTING :			
Inspection Class (Note 2)					NON-GROUT CONSTRUCTION : (7.3.13)			
BEARINGS AND LUBRICATION (6.10.1.1) (VTC)					VERTICAL LEVELING SCREWS : REQUIRED			
BEARING (TYPE / NUMBER): (6.11.4)					LONGITUDINAL DRIVER POSITIONING SCREWS : REQUIRED			
RADIAL ROLLER / 1					SUPPLIED WITH : GROUT AND VENT HOLES YES			
THRUST BALL / 2					DRAIN CONNECTION YES			
REVIEW AND APPROVE THRUST BEARING SIZE : (9.2.5.2.4)					MOUNTING PADS SIZED FOR BASEPLATE LEVELING (7.3.5) YES			
LUBRICATION : (6.10.2.2) (6.11.3) (9.2.6) RING OIL					MOUNTING PADS TO BE MACHINED (7.3.6) YES			
PRESSURE LUBE SYSTEM TO ISO 10438- (9.2.6.5)					PROVIDE SPACER PLATE UNDER ALL EQUIPMENT FEET YES			
ISO 10438 DATA SHEETS ATTACHED					OTHER			
Pressurized Lube Oil System mtd on pump baseplate					REMARKS :			
Location of Pressurized Lube Oil System mounted on baseplate :								
INTERCONNECTING PIPING PROVIDED BY Supplier								
OIL VISC. ISO GRADE VG								
CONSTANT LEVEL OILER :								



DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER JOCKEY PUMPS

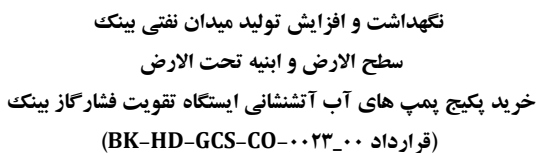
شماره صفحه: ۷ از ۱۰

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه
V02	0003	DS	ME	120	KP	GCS	BK

CENTRIFUGAL PUMP DATA SHEET (SI UNIT) - P-2302 A/B (Sheet 4 of 6)

INSTRUMENTATION		SEAL SUPPORT SYSTEM MOUNTING	
SEE ATTACHED API-670 DATA SHEET		SEAL SUPPORT SYSTEM MOUNTED ON PUMP BASEPLATE	
ACCELEROMETER (7.4.2.1)		(7.5.1.4)	YES
Number of Accelerometers		IDENTIFY LOCATION ON BASEPLATE	
Mounting Location of Accelerometers		INTERCONNECTING PIPING BY	
PROVISION FOR MTG ONLY (6.10.2.10)		Supplier	
Number of Accelerometers		MECHANICAL SEAL (6.8.1) (NOTE 13)	
Mounting Location of Accelerometers		SEE ATTACHED ISO 21049/API 682 DATA SHEET	
FLAT SURFACE REQUIRED (6.10.2.11)		(6.8.9)	N / A NOTE 5
Number of Accelerometers		ADDITIONAL CENTRAL FLUSH PORT	
Mounting Location of Accelerometers		(6.8.11)	N / A
VIBRATION PROBES (7.4.2.2)		HEATING JACKET REQ'D.	
PROVISIONS FOR VIB. PROBES		FLUSH PLAN	
NUMBER PER RADIAL BEARING			
NUMBER PER AXIAL BEARING			
MONITORS AND CABLES SUPPLIED BY (7.4.2.4)			
TEMPERATURE (7.4.2.3)		HEATING AND COOLING (6.1.17)	
PROVISIONS FOR TEMP PROBES		COOLING REQ'D	
RADIAL BEARING TEMP.		COOLING WATER PIPING PLAN	
NUMBER PER RADIAL BEARING		COOLING WATER PIPING	
THRUST BEARING TEMP.		FITTINGS	
NUMBER PER THRUST BEARING ACTIVE SIDE		COOLING WATER PIPING MATERIALS	
NUMBER PER THRUST BEARING INACTIVE SIDE		COOLING WATER REQUIREMENTS:	
TEMP. GAUGES (WITH THERMOWELLS) (9.1.3.6)		TOTAL COOLING WATER	
PRESSURE GAUGE TYPE		HEATING MEDIUM	
Remarks		OTHER	
		HEATING PIPING	
		PIPING & APPURTENANCES	
		MANIFOLD PIPING FOR PURCHASER CONNECTION (7.5.1.6)	
		VENT	
		DRAIN	
		VALVES	
		COOLING WATER	
		TAG ALL ORIFICES (7.5.2.4)	
		SOCKET WELD CONN ON SEAL GLAND (7.5.2.8)	

 NISOC	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 ۰۰۲۳-۰۰-۰۵۳-BK-HD-GCS-CO-)							 Kalaye Pump Co.		
شماره پیمان: ۰۵۳-۰۷۳-۹۱۸۴	DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER JOCKEY PUMPS								شماره صفحه: ۱۰ از ۸	
	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه		
	BK	GCS	KP	120	ME	DS	0003	V02		
CENTRIFUGAL PUMP DATA SHEET (SI UNIT) - P-2302 A/B (Sheet 5 of 6)										
SURFACE PREPARATION AND PAINT					TEST					
MANUFACTURER'S STANDARD					SHOP INSPECTION (8.1.1)					Yes
OTHER (SEE BELOW)					PERFORMANCE CURVE					
SPECIFICATION NO. BK-GNRL-PEDCO-000-PI-SP-0006, "Specification for Painting"					& DATA APPROVAL PRIOR TO SHIPMENT.					YES
PUMP:					TEST WITH SUBSTITUTE SEAL (8.3.3.2.b)					
PUMP SURFACE PREPARATION SA 2 1/2					MATERIAL CERTIFICATION REQUIRED CASING					YES
PRIMER AS PER PROJECT PAINTING SPEC.					SHAFT YES (6.12.1.8) IMPELLER					YES
FINISH COAT AS PER PROJECT PAINTING SPEC.					OTHER YES Casing and impeller Wear ring					
BASEPLATE:					CASTING REPAIR WELD PROCEDURE APPR REQD					YES
BASEPLATE SURFACE PREPARATION SA 2 1/2					INSPECTION REQUIRED FOR CONNECTION WELDS (6.12.3.4.d) KPC:NOT APPLICABLE					
PRIMER: AS PER PROJECT PAINTING SPEC.					LIQUID PENETRANT YES MAG PARTICLE					
FINISH COAT AS PER PROJECT PAINTING SPEC.					ULTRASONIC RADIOGRAPHY					YES
DETAILS OF LIFTING DEVICES					INSPECTION REQUIRED FOR CASTINGS					
SHIPMENT: (8.4.1) EXPORT					LIQUID PENETRANT YES MAG PARTICLE					NO
EXPORT BOXING REQUIRED YES					ULTRASONIC (NOTE 18) YES RADIOGRAPHY					
OUTDOOR STORAGE MORE THAN 6 MONTHS YES					HARDNESS TEST REQUIRED (8.2.2.7)					
SPARE ROTOR ASSEMBLY PACKAGED FOR:					ADDNL SUBSURFACE EXAMINATION (6.12.1.5) (8.2.1.3)					
ROTOR STORAGE ORIENTATION (9.2.8.2)					FOR					
SHIPPING & STORAGE CONTAINER FOR VERT STORAGE (9.2.8.3)					METHOD					
N ₂ PURGE (9.2.8.4)					PMI TESTING REQUIRED (8.2.2.8)					
SPARE PARTS					COMPONENTS TO BE TESTED					
START-UP YES					RESIDUAL UNBALANCE TEST (J.4.1.2)					
NORMAL MAINTENANCE YES					NOTIFICATION OF SUCCESSFUL SHOP					YES
					PERFORMANCE TEST (8.1.1.c) (8.3.3.5)					YES
					BASEPLATE TEST (7.3.21)					
					HYDROSTATIC					WIT
					HYDROSTATIC TEST OF BOWLS & COLUMN (9.3.13.2)					
					PERFORMANCE TEST					WIT
					TEST IN COMPLIANCE WITH (8.3.3.2)					NFPA 20
					TEST DATA POINTS TO (8.3.3.3)					NFPA 20
					TEST TOLERANCES TO (8.3.3.4)					TABLE 16
					NPSH (8.3.4.3.1) (8.3.4.3.4) (NOTE 6)					WIT
					NPSH-1ST STG ONLY (8.3.4.3.2)					
					NPSH TESTING TO HI 1.6 OR ISO 9906 (8.3.4.3.3)					
					TEST NPSHA LIMITED TO 110% SITE NPSHA (8.3.3.6)					
					RETEST ON SEAL LEAKAGE (8.3.3.2.d)					OBSERVE
					RETEST REQUIRED AFTER FINAL HEAD ADJ (8.3.3.7.b)					
					COMPLETE UNIT TEST (8.3.4.4.1)					WIT
					SOUND LEVEL TEST (8.3.4.5)					WIT
					CLEANLINESS PRIOR TO FINAL ASSEMBLY (8.2.2.6)					OBSERVE
					LOCATION OF CLEANLINESS INSPECTION					
					NOZZLE LOAD TEST					
					CHECK FOR CO-PLANAR MOUNTING PAD SURFACES					
					MECHANICAL RUN TEST UNTIL OIL TEMP STABLE					
					4 HR. MECH RUN AFTER OIL TEMP STABLE (8.3.4.2.1)					WIT
					4 HR. MECH RUN TEST (8.3.4.2.2)					
					BRG HSG RESONANCE TEST (8.3.4.7)					
					STRUCTURAL RESONANCE TEST (9.3.9.2)					
					REMOVE / INSPECT HYDRODYNAMIC BEARINGS AFTER TEST (9.2.7.5)					
					AUXILIARY EQUIPMENT TEST (8.3.4.6)					
					EQUIPMENT TO BE INCLUDED IN AUXILIARY TESTS					
					LOCATION OF AUXILIARY EQUIPMENT TEST					
					IMPACT TEST PER EN 13445					
					REMOVE CASING AFTER TEST PER ASME SECTION VIII					



DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER JOCKEY PUMPS

• 03-073-9184

شماره صفحه: ۹ از ۱۰

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه
V02	0003	DS	ME	120	KP	GCS	BK

CENTRIFUGAL PUMP DATA SHEET (SI UNIT) - P-2302 A/B (Sheet 6 of 6)

PRESSURE VESSEL DESIGN CODE REFERENCES

THESE REFERENCES MUST BE LISTED BY THE MANUFACTURER

CASTING FACTORS USED IN DESIGN (TABLE 3)

SOURCE OF MATERIAL PROPERTIES

WELDING AND REPAIRS (NOTE 15)

THESE REFERENCES MUST BE LISTED BY THE PURCHASER. (DEFAULT TO TABLE 11 IF NO PURCHASER PREFERENCE IS STATED)

ALTERNATE WELDING CODES AND STANDARDS

WELDING REQUIREMENT (APPLICABLE CODE OR STANDARD)

WELDER/OPERATOR QUALIFICATION

WELDING PROCEDURE QUALIFICATION

NON-PRESSURE RETAINING STRUCTURAL WELDING SUCH AS BASEPLATES OR SUPPORTS

MAGNETIC PARTICLE OR LIQUID PENETRANT EXAMINATION OF PLATE EDGES

POSTWELD HEAT TREATMENT

POSTWELD HEAT TREATMENT OF CASING FABRICATION WELDS

DEFAULT PER TABLE 11

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DEFAULT PER TABLE 11

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DEFAULT PER TABLE 11

MATERIAL INSPECTION

THESE REFERENCES MUST BE LISTED BY THE PURCHASER

DEFAULT TO TABLE 14

YES

ALTERNATIVE MATERIAL INSPECTIONS AND ACCEPTANCE CRITERIA (SEE TABLE 15) (8.2.2.5)

TYPE OF INSPECTION	METHOD	FOR FABRICATIONS	FOR CASTINGS
RADIOGRAPHY			
ULTRASONIC INSPECTION			
MAGNETIC PARTICLE INSPECTION			
LIQUID PENETRANT INSPECTION			
VISUAL INSPECTION (all surfaces)			

REMARKS :

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



KALAYE PUMP CO.

Performance curve



Item No.	P-2302 A/B	Pump Model	KP2532	Flow, Rated (m^3/h)	15
Liquid	WATER	Speed (rpm)	2950	Head (m)	105
Temp. ($^{\circ}C$)	50	Rated Imp.Dia. (mm)	286	Efficiency (%)	29
Density(kg/m^3)	997	Suction Size (Inch)	2	NPSHR (m)	1.5
Viscosity (cp)	1	Disch. Size (Inch)	1	Rated Power (kw)	14.8
NPSHA (m)	8.8	NSS (m /h,m,rpm)	9502	Motor Power (kw)	18.5

