

#106006

#106007

Approved
6/13/05Sign For Receipt
(For customer)

TEIKOKU MOTOR PUMP DATA SHEET

Sheet No.

Q DX-2009

M/S Linde BOC Process Plants LLC for Giant Refining	DATE Mar. 30, 2005
	NO. REQ'D 2
JOB NAME ****	Suction Flange ANSI 900LB 6" RF
ORDER NO. PQ7053209	Discharge Flange ANSI 900LB 5" RF
PROD. NO. DX-2009	(SERRATED 125~250 AARH)
JOB NO. ****	ITEM NO. G-542 A/B
MODEL BA48-717J4EM-1215U1V-GM	Painting Color SILVER

1. OPERATING CONDITIONS

Total Head	241Ft (73.5m)	Capacity	1875GPM (7097 l/min)
NPSH avail.	74.9Ft	req. 40Ft (12.2m)	Suct. Press./ Disch. Press 887.7 / 937.6 PSIG
Liquid	Diesel		
SP. GR at P.T.	0.477	Vis. at P.T.	0.05 CP
Vap. Press. at P.T.	880 PSIA	Melting Point	**** °C
		Pumping Temp.	750~800 °F
		Suspended Solid	**** wt%

2. MOTOR (Three Phase Induction Motor)

Power Supply (3φ× 60 Hz× 460 V)

Rated Output	120 kW	Rated Current	210 A	Starting Current	297 A
Pole No.	2	Insu. Class	C	Explosion Proof	d 2 G 3
TEIKOKU Rotary Guardian	YES	Thermostat Working Temp.	428 °F		

3. MATERIALS

Casing	CF-8 304 SS	Impeller	CF-8 304 SS	Shaft	329J1 SS
Stator Can	ALLOY C-276	Rotor Can	ALLOY C-276	Bearing	CARBON GRAPHITE
Sleeve & Thrust Collar	316 SS+STELLITE	Gasket	304 SS+GRAFOIL		

4. UTILITIES REQ'D

Motor Jacket	MIN 3.96 (GPM)	Casing Jacket		Circ. Tube H. Exch.	MIN 19.8 (GPM)
COOLING	MAX 95 (°F)	NONE		COOLING	MAX 95 (°F)

5. ACCESSORIES & SPARE PARTS

Foundation Bolt	**** Sets	Bearing	**** Sets	Shaft Sleeve	**** Sets	Thrust Collar	**** Sets
Gasket	**** Sets						

6. FLUSHING

Liquid	****	Flow	**** L/min ml/h	Press.	**** MPaG
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7. DRAWINGS

Dimensional Dwg.	2A-2427	Terminal Box	4W-5173 G-1	Wiring Inlet	BT13031
Wiring Inlet	BT10021	Estimated Performance Curve	SDX-2009	Connection Diagram	4N-4426 #1
Sectional view drawing	3E-4587	Material list	P-27286	Allowable piping Forces and Moments	4N-5851

8. REMARKS

Rotation: C.C.W. (Viewed From Pump Suction)

-T-USA JN055392

-Thermostat: b-contact

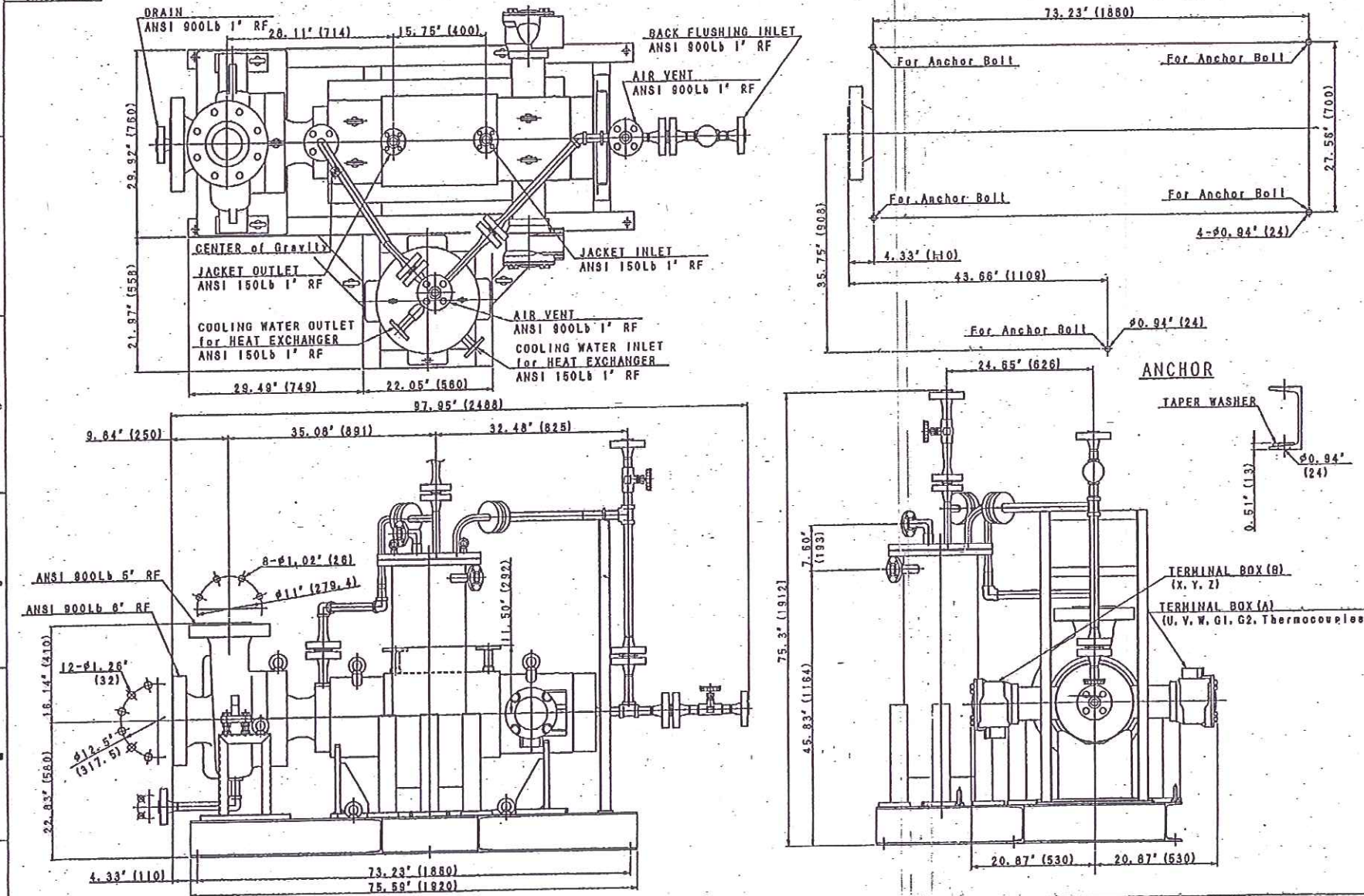
Giant Industries, Inc.
ULSD Hydrotreater
Yorktown Refinery
Yorktown, VirginiaLBPP Project Number AA13.
LBPP P.O. PQ7053209
Tag G-542 A/B
Isotherming Reactors Circulation Pump

REV.	
B	Rev. 8/04 9 points added H.Sakai

TEIKOKU ELECTRIC MFG. CO., LTD.

APPROVED BY	CHECKED BY	DRAWN BY
S. (Sakai)	K. (Kado)	M. Sakai

2A-2427



0X2003 WEIGHT: 44081kg (2000kg)

REV	DESCRIPTION	DATE	BY	CHK
1	AS SHOWN	10/1/84	M. SAKAI	
2	REVISED	10/1/84	M. SAKAI	
3	REVISED	10/1/84	M. SAKAI	

Giant Industries, Inc.
ULSD Hydrotreater
Yorktown Refinery
Yorktown, Virginia

LBPP Project Number AA13
LBPP P.O. PQ7053209
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Isotherming Reactors Circulation Pump

APPROVED	CREATED	SCALE	DATE	BY	CHK
S. Sakai	M. Sakai	1:1	10/1/84	M. SAKAI	
TEKCO ELECTRIC CO., LTD.					

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