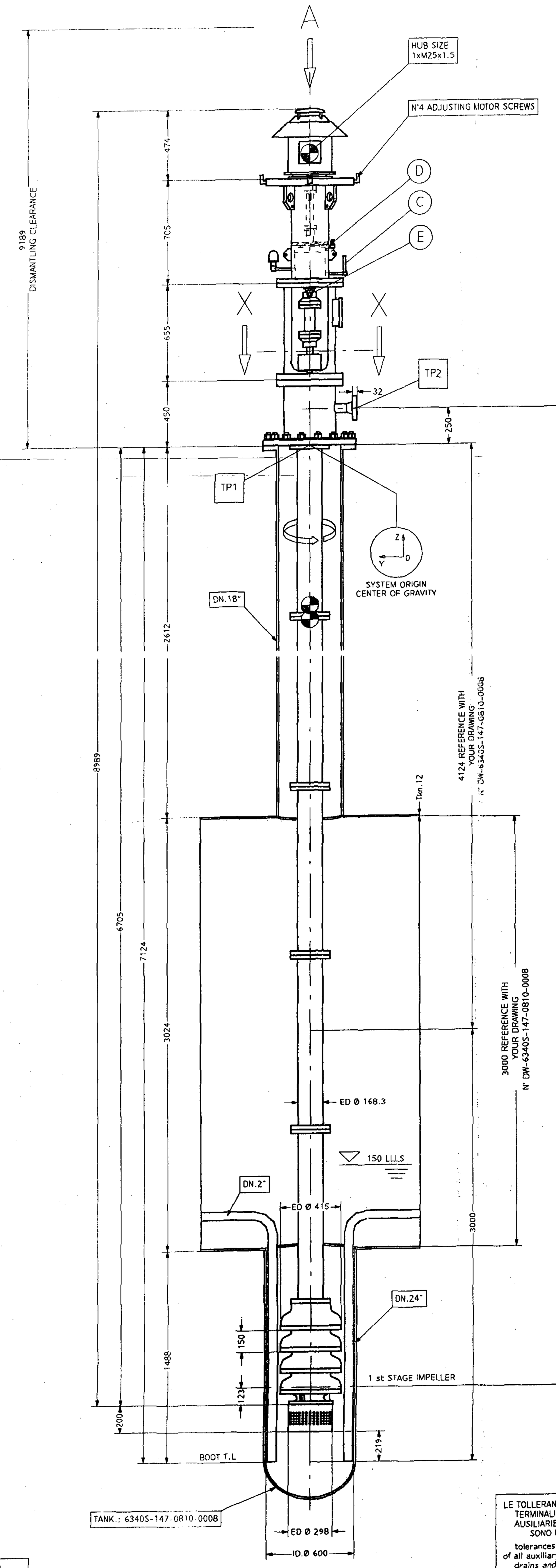
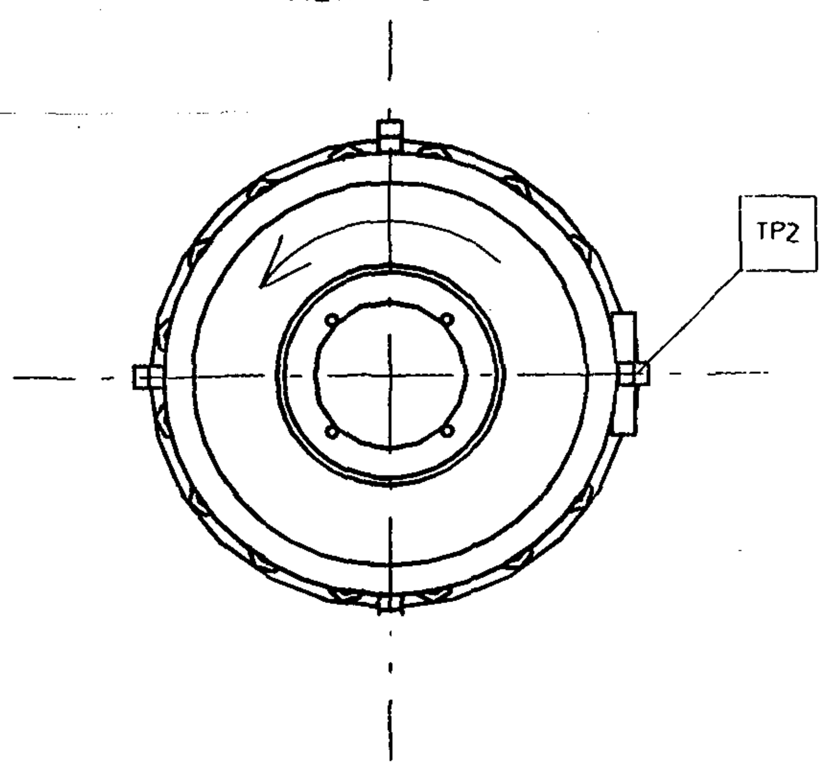
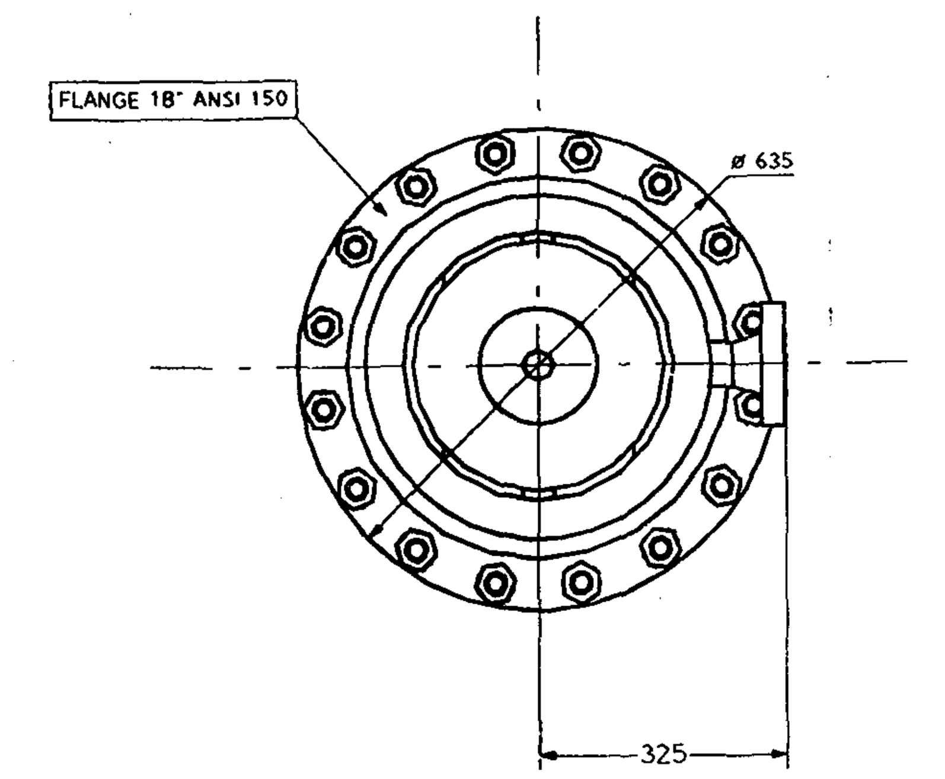
a/c comment



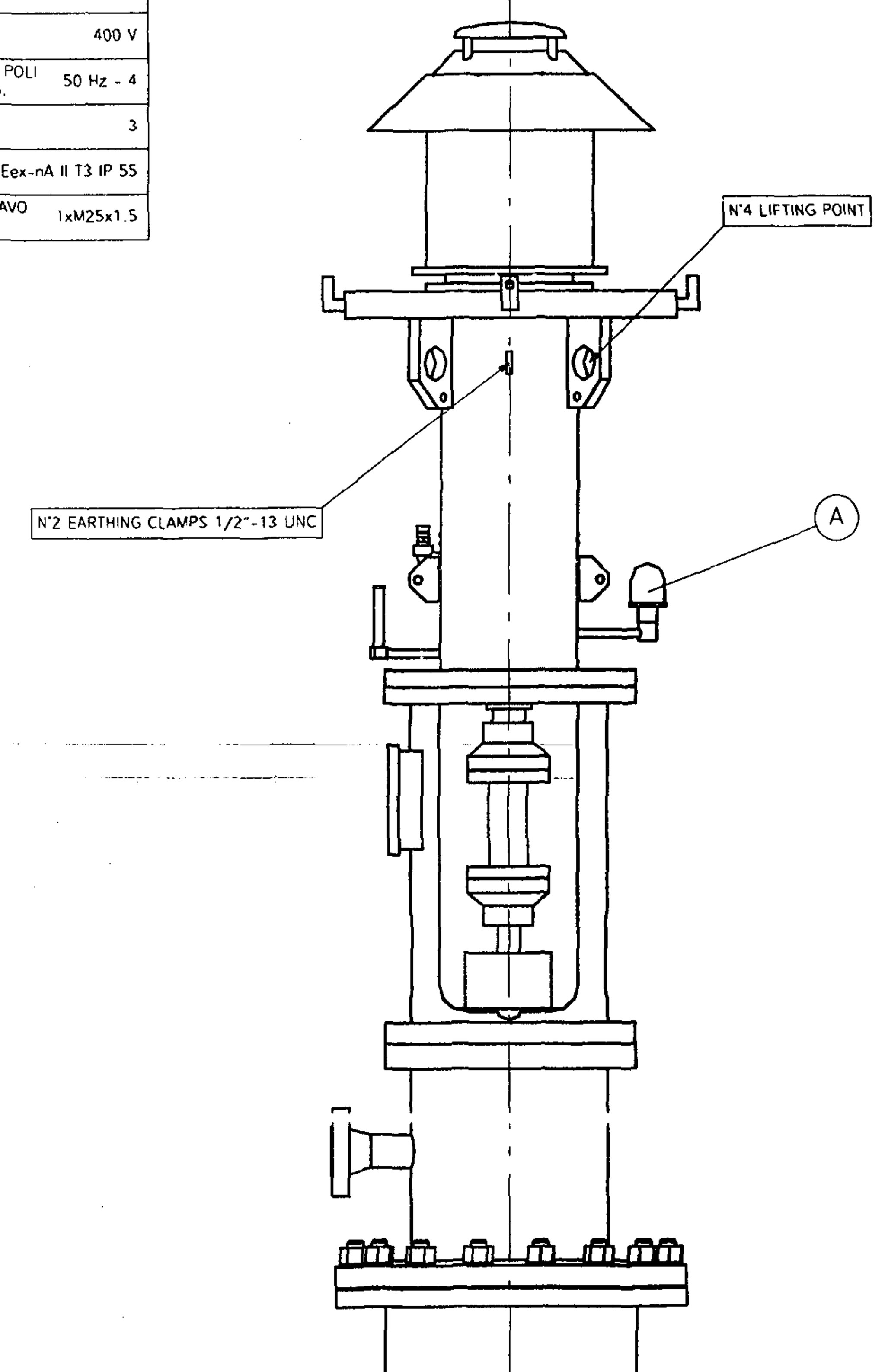
FRONT VIEW



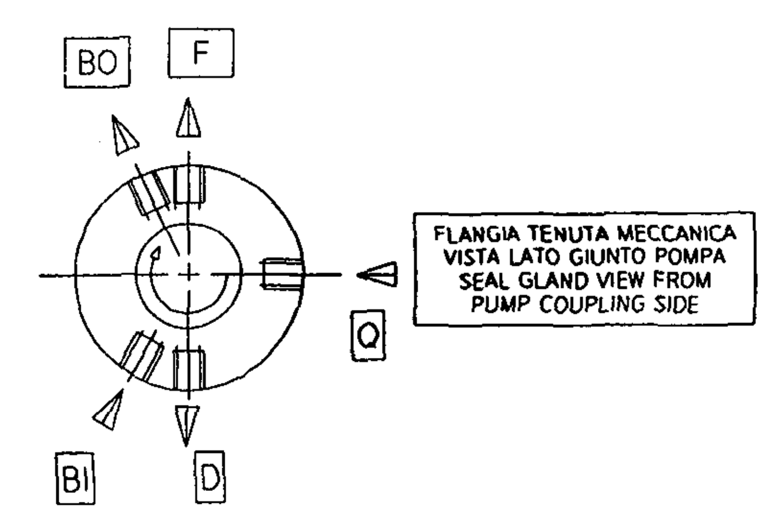
VIEW FROM A



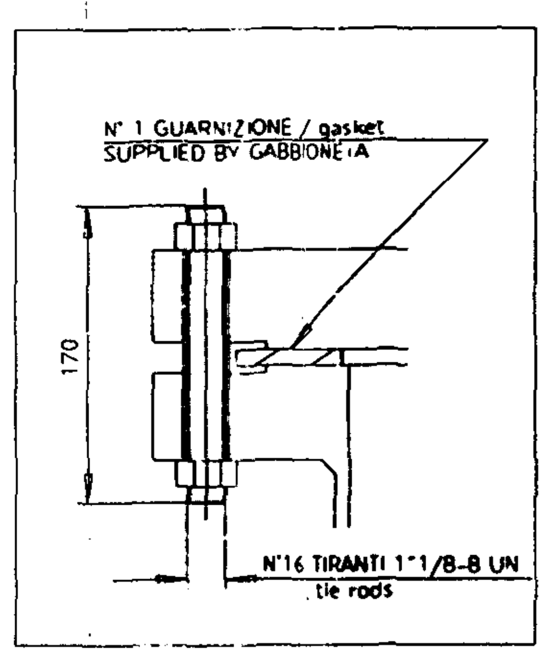
SECTION X-X

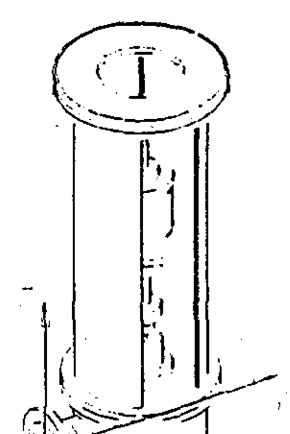


BACK VIEW



FLANGIA TENUTA MECCANICA VISTA LATO GIUNTO POMPA
SEAL GLAND VIEW FROM PUMP COUPLING SIDE





COORD. DEI BARICENTRI center of gravity coord.	X mm	Y mm	Z mm
POMPA pump	0	0	-1223
MOTORE motor	0	0	2000
GRUPPO COMPLETO assembly	0	0	-1122
L' origine del sistema di riferimento è posto al centro in basso del basamento			
The reference system origin is at the baseplate bottom center			

GIUNTO CON SPAZIATORE coupling with spacer	METASTREAM
TIPO type	TSK 0013
COPRIGIUNTO ANTISCINTILLA ALLUMINIO no sparking guard aluminium	SI yes
CALETTAMENTO GIUNTO POMPA CILINDRICO pump coupling fit cylindrical	Ø 45 M6/f6
CALETTAMENTO GIUNTO MOTORE CILINDRICO driver coupling fit cylindrical	Ø 38 M6/k6
LINGUETTA ALBERO POMPA pump keyway	14x9

GIUNTO RIGIDO CON SPAZIATORE rigid coupling with spacer	POMPE GABBIONETA
TIPO type	
COPRIGIUNTO ANTISCINTILLA (ALLUMINIO) no sparking guard (aluminium)	SI yes
CALETTAMENTO GIUNTO POMPA CONICO pump coupling fit conical	Ø 45
CALETTAMENTO GIUNTO MOTORE CONICO driver coupling fit conical	Ø 35
LUNGHEZZA SPAZIATORE D.B.S.E.	200

MOTORE motor	LOHER
TIPO type	AMGK_132_MB04A
POTENZA power	5.5 kW
VOLTAGGIO voltage	400 V
FREQUENZA-NUM. POLI frequency-poles no.	50 Hz - 4
FASI phases	3
CLASSE PROT. prot. class	Eex-nA II T3 IP 55
ENTRATA PRESSACAVO cable gland entry	1xM25x1.5

TP2	2"	FLANGIA PREMENTE ANSI 300 RF (125 AARH) discharge flange ANSI 300 RF (125 AARH)
TP1	18"	FLANGIA DI BASE 18" ANSI 150 RF (125 AARH) mounting flange 18" ANSI 150 RF (125 AARH)
E	1/4"	SCARICO OLIO - TAPPATO oil drain - plugged
D	1/4"	CARICO/SFIATO - TAPPATO fill up/oil vent - plugged
C	1/4"	LIVELLO OLIO IN VETRO oil level glass
A	1/4"	OLIATORE A LIVELLO COSTANTE constant level oiler
ATTACCHI FILETTATI - PIPING CONNECTIONS "NPT" ASME B1.20.1-83		

TENUTA MECCANICA mechanical seal	BURGMANN	TIPO type	H75VK/65-PTA2-A8	API PLAN 13/53/61
SPECIFICA MAT. material spec.	AQ1GM6T4 AQ1VM6T4	CODICE API api code	BDAFN	

MASSA POMPA pump mass	1800 kg
MASSA MOTORE motor mass	58 kg
MASSA SERBATOIO barrel mass	kg
MASSA DELL'INTERO GRUPPO DA INSTALLARE whole assembly mass to be handled for erection	1858 kg
MASSA ELEMENTO PIU' PESANTE DA MANEGGIARE PER LA MANUTENZIONE mass of the heaviest piece to be handled for maintenance	120 kg

CLIENTE customer	NATIONAL IRANIAN OIL COMPANY
IMPIANTO plant identification	SOUTH PARS GAS FIELD DEVELOPMENT
COMMESSA job	05C026
ORD. INTERNO mfr. job n.	82371
POSIZIONE item	147-P-107
SERVIZIO service	REFRIGERANT AREA DRAIN DRUM PUMP
MATRICOLA mfr. register	82371
ORDINE order	POGC-760-81-156

Code 1 ☑ (Approved) Vendor to submit "For Final" No Comment & release for manufacturing)
Code 2 ☐ (Approved with comments): Vendor shall correct / revise & resubmit it as "For Final" (Released for manufacturing if change incorporated as indicated)
Code 3 ☐ (Commented): Vendor shall correct / revise & resubmit it as "For Approval" of the date specified (Corrected documents to be resubmitted before starting manufacturing)
Code 4 ☐ Not Acceptable quality (Reject)
The above check [illegible] shall in no way relieve VENDOR of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing
OIEC IOEC
Date: 08/04/06
Dept.: MA
Signature: [illegible]
Only for Internal Review

REV	DESCRIZIONE - description	APPROVAZIONE approved	DISEGNATORE drawn by	DATA date
3				
2	FINALE final		Sardella	23 Feb 2006
1	PER APPROVAZIONE for approval		Sardella	20 Dec 2005
0	PER APPROVAZIONE for approval		Sardella	06 Sep 2005

POMPE GABBIONETA

DISEGNO DI INSTALLAZIONE general arrangement drawing		DISEGNO - drawing number 82371.GAD	
POMPA TIPO pump type **VBN 250/50-4**	DATE 06 Sep 2005	DISEGNATORE Sardella	SCALA /

2	23/02/06	FINAL	WS	WS	PB	DM	FR
1	20/12/05	FOR APPROVAL	WS	WS	PB	DM	FR
0	06/09/05	FOR APPROVAL	WS	WS	PB	DM	FR
REV.	DATE	DESCRIPTION	ORIG.	PREP.	CHKD.	APPD.	AUTH.

SOUTH PARS GAS FIELD DEVELOPMENT–
PHASES 9 & 10, ASSALUYEH–IRAN
ONSHORE FACILITIES

N.I.O.C
PARS OIL AND GAS COMPANY

PROJECT No.: POGC-760-81-156 | DOC. CLASS. | SCALE :

POMPE GABBIONETA | OIEC | IOEC

TITLE: REFRIGERANT AREA DRAIN DRUM PUMP
147-P-107
GENERAL ARRANGEMENT DRAWING

DWG No. VP-6340S-147-P-107-349 | SHEET No. 1 OF 1 | REV. 2

F	3/4" NPT - ENTRATA FLUSSAGGIO 3/4" NPT - FLUSHING INLET		PLAN 13
BI	3/4" NPT - ENTRATA CIRCOLAZIONE 3/4" NPT - BARRIER INLET		PLAN 53
BO	3/4" NPT - USCITA CIRCOLAZIONE 3/4" NPT - BARRIER OUTLET		PLAN 53
Q	3/8" NPT - LAVAGGIO 3/8" NPT - QUENCH	TAPPATO PLUGGED	PLAN 61
D	3/8" NPT - SCARICO 3/8" NPT - DRAIN	TAPPATO PLUGGED	PLAN 61

LINEA DI FLUSSAGGIO flushing line	PLAN:	13	DWG:	82371.AUX
LINEA DI LAVAGGIO quench line	PLAN:	61	DWG:	N.A
LINEA DI RAFFREDD. cooling line	PLAN:	N.A.	DWG.	N.A
LINEA DI CIRCOLAZIONE circulation line	PLAN:	53	DWG:	82371.AUX
DIS. DI SEZIONE E LISTA PEZZI sectional dwg and bill of materials		N° 082371 SEC - N° 82371		
MOTORE ELETTRICO electrical motor			DWG	M_A13-0024SM01
TENUTA MECCANICA mechanical seal			DWG	H75VK/65-PTA2-A8

FORZE E MOMENTI MAX AMMISSIBILI SUI BOCCHELLI DELLA POMPA, IN ACCORDO CON allowable forces and moments on pumps nozzles according to API 610 8th ed par 2.4

BOCCHELLI nozzles	FORZE - forces N Fx	Fy	Fz	Fr	MOMENTI - moments N x m Mx	My	Mz	Mr
ASPIRAZIONE suction DIA.NOM.								
MANDATA discharge DIA NOM 2"	710	890	580	1280	460	230	350	620

Il corpo pompa è in grado di sopportare il doppio dei valori di forze e momenti indicati in tabella applicati contemporaneamente sulle bocche, sovrapposti alla pressione interna, senza causare deformazioni che danneggino il funzionamento della pompa e della tenuta

The pump's pressure casing is capable of withstanding twice the forces and moments in table applied simultaneously to the pump through each nozzle, plus internal pressure, without distorsion that would impair operation of the pump or seal

LE TOLLERANZE RELATIVE AI PUNTI TERMINALI DI TUTTE LE LINEE AUSILIARIE, DRENAGGI E SFIATI SONO PARI A ± 10 mm
tolerances relevant to position of all auxiliary lines terminal points, drains and vents are ± 10 mm