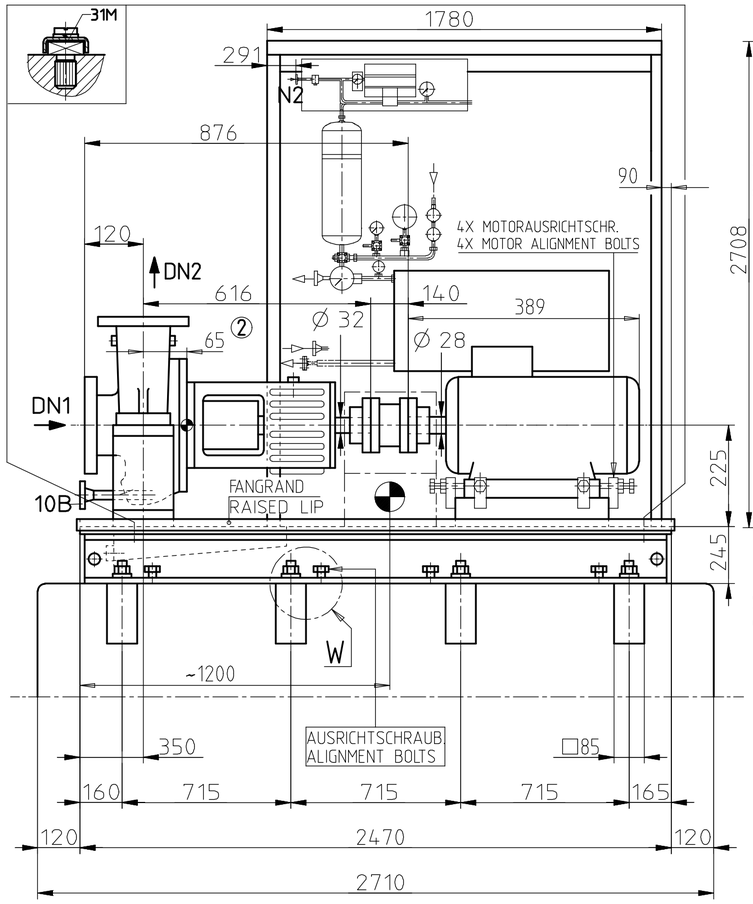
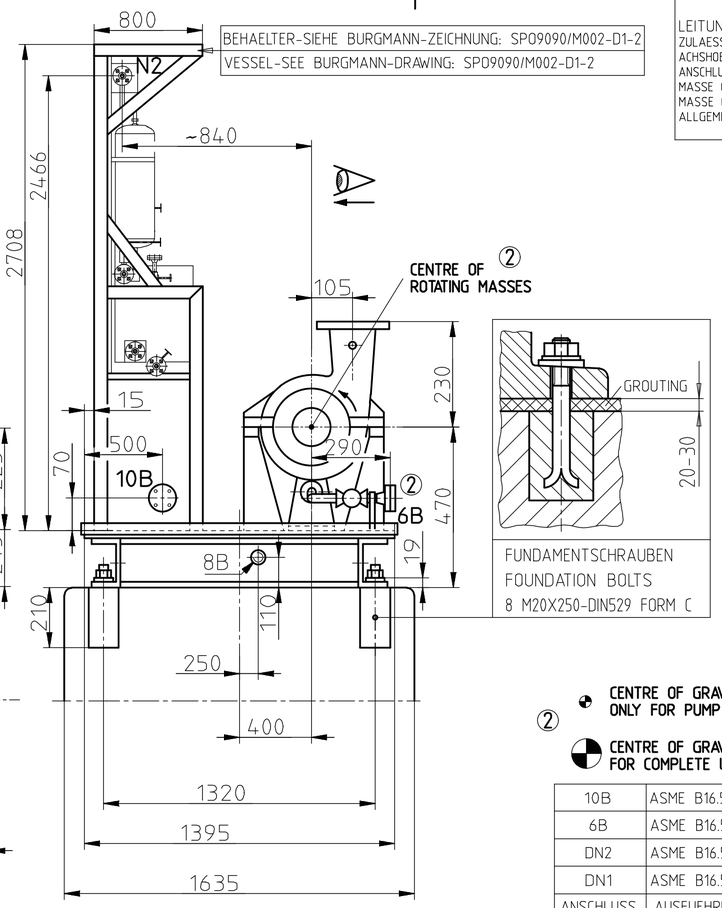




BEHAELTER-SIEHE BURGMANN-ZEICHNUNG: SPO9090/M002-D1-2
VESSEL-SEE BURGMANN-DRAWING: SPO9090/M002-D1-2

FUNDAMENTSCHRAUBEN
FOUNDATION BOLTS
8 M20X250-DIN529 FORM C

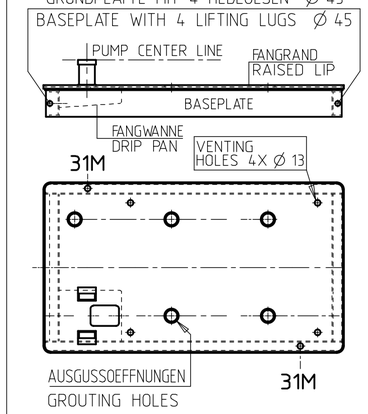
LEITUNGEN SPANNUNGSFREI ANSCHLIESSEN!
ZULAESSIGE MASSABWEICHUNGEN FUER:

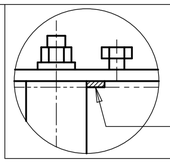
ACHSHOEHEN FUER MASCHINEN	DIN 747
ANSCHLUSSMASSE FUER PUMPEN	DIN EN 735
MASSE OHNE TOLERANZANGABE - GRAUGUSSTEILE	DIN 1686 GTB18
MASSE OHNE TOLERANZANGABE - SCHWEISSTEILE	EN ISO 13920B
ALLGEMEINTOLERANZEN FUER BEARBEITETE TEILE	DIN ISO 2768-m

THE LINES MUST BE CONNECTED WITHOUT TRANSMITTING ANY STRESSES OR STRAIN!
PERMISSIBLE DEVIATIONS OF DIMENSIONS FOR:

AXIS HEIGHTS FOR MACHINES	DIN 747
CONNECTION DIMENSIONS FOR PUMPS	DIN EN 735
DIMENSIONS WITHOUT MENTION OF TOLERANCES - GREY CAST IRON COMPONENTS	DIN 1686 GTB18
DIMENSIONS WITHOUT MENTION OF TOLERANCES - WELDED COMPONENTS	EN ISO 13920B
GENERAL TOLERANCES FOR MASCHINED COMPONENTS	DIN ISO 2768-m

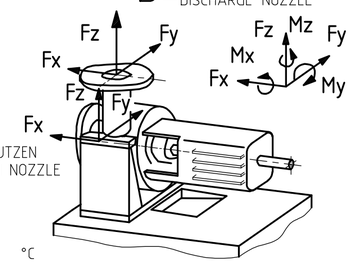
GRUNDPLATTE MIT 4 HEBEOESEN Ø 45
BASEPLATE WITH 4 LIFTING LUGS Ø 45





DETAIL W
UNTERLAGENSATZ
ALIGNMENT SHIMS

D = DRUCKSTUTZEN
DISCHARGE NOZZLE



TEMP.= 45 °C

ZULAESSIGE KRAEFTE UND MOMENTE ENTSPRECHEN 2X API 610/8.
DIE ANGABEN GELTEN FUER STATISCHE ROHRLEITUNGSLASTEN.
BEI UEBERSCHREITUNG IST NACHPRUEFUNG ERFORDERLICH.
ADMISSIBLE FORCES AND MOMENTS CORRESPOND TO 2X API 610/8.
DATA GIVEN BELOW ARE ONLY VALID FOR STATIC PIPING LOADS.
IF VALUES ARE EXCEEDED CHECK IS NECESSARY.

KRAEFTE, MOMENTE / FORCES, MOMENTS

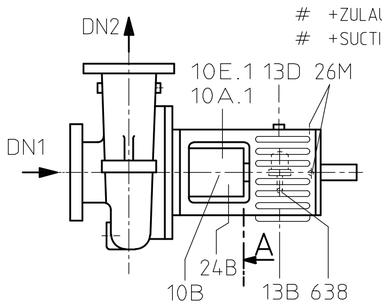
	SAUGSTUTZEN SUCTION NOZZLE				DRUCKSTUTZEN DISCHARGE NOZZLE			
KRAEFTE FORCES (N)	Fx	Fy	Fz	Fres	Fx	Fy	Fz	Fres
	1780	1430	1160	2560	1430	1160	1780	2560
MOMENTE MOMENTS (Nm)	Mx	My	Mz	Mres	Mx	My	Mz	Mres
	920	460	710	1250	920	460	710	1250

31M	2 X M6	ERDUNGSANSCHLUSS - EARTHING CONNECTION	–	X	–	–	–	–
26M	Ø 30-M8	STOSSIMPULSMESSUNG - SHOCK IMPULSE MEASUREMENT	–	X	–	–	–	–
10B	NPS 3/4''	SPERRFL. ABLASS - BARRIER LIQUID DRAIN	BLINDFLANGE	–	–	–	–	–
10B.1	NPT 3/8	SPERRFL. ABLASS - BARRIER LIQUID DRAIN	–	–	X	–	–	–
10E.1/10A.1	NPT 1/2	SPERRFL. EIN/AUS - BARRIER LIQUID INLET/OUTLET	–	–	X	3	3.5 #	–
24B	NPT 3/8	QUENCHFL. ABLASS - QUENCH LIQUID DRAIN	X	–	–	–	–	–
24E.1	NPT 3/8	QUENCHFL. EIN - QUENCH LIQUID INLET	X	–	–	–	–	–
6B	NPS 3/4''	GEHAEUSEABLASS - CASING DRAIN	BLINDFLANGE	–	–	–	–	–
8B	NPT 2	LECKABLASS GRUNDPLATTE - LEAKAGE DRAIN BASEPLATE	–	X	–	–	–	–
13B	NPT 1/2	OELABLASS - OIL DRAIN	X	–	–	–	–	–
13D	NPT 1/2	ENTLUEFTUNGSSTOPFEN - VENT PLUG	X	–	–	–	–	–
638	NPT 1/4	OELSTANDSREGLER - CONSTANT LEVEL OILER	WIRD LOSE MITGELIEFERT - LOOSE ITEM				–	–
ANSCHLUSS CONNECTION	GROESSE SIZE	BEZEICHNUNG DESIGNATION GEWINDE NACH DIN ISO 228, TEIL 1 UND ISO 7/1 (ENTSPRICHT DIN 2999 TEIL 1) / THREAD ACC. TO DIN ISO 228, PART 1 AND ISO 7/1 (CONFORMING TO DIN 2999, PART 1)	MIT STOPFEN VERSCHLOSSEN/ CLOSED WITH SCREW PLUG	KUNDE/ CUSTOMER SCHLIESST AN/ CONNECTED BY	KSB	ERF. MENGE/ QUANTITY REQU. L/MIN	ERF. DRUCK/ PRESSURE REQU. BAR	MAX. DRUCK/ PRESSURE MAX. BAR

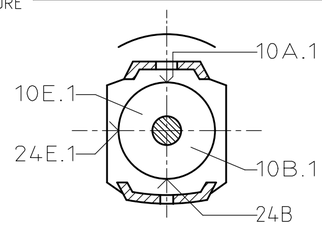
ANSCHLUESSE / CONNECTIONS

DIE AUSFUHRUNG DES AUFTRAGES IST DURCH X GEKENNZEICHNET / THE EXECUTION OF THE ORDER IS MARKED BY X

+ZULAUFDRUCK
+SUCTION PRESSURE

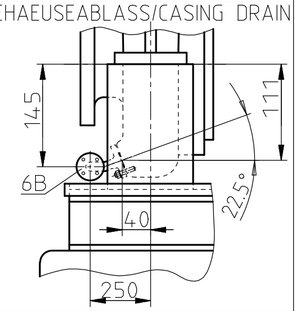


MASSE IN MM / DIMENSIONS IN MM



ANSICHT A
VIEW A

GEHAEUSEABLASS/CASING DRAIN



CENTRE OF GRAVITY ONLY FOR PUMP
② CENTRE OF GRAVITY FOR COMPLETE UNIT

10B	ASME B16.5 CL.300RF NPS 3/4''
6B	ASME B16.5 CL.300RF NPS 3/4''
DN2	ASME B16.5 CL.300RF NPS 1''
DN1	ASME B16.5 CL.300RF NPS 1-1/2''
ANSCHLUSS CONNECTION	AUSFUEHRUNG DESIGN

FLANSCHE / FLANGES

GRUNDPLATTENGROESSE BASEPLATE SIZE	API 9.5 (0W249830)
MOTORGROESSE MOTOR SIZE	LOHER IEC-112M 4KW
KUPPLUNGSTYP/GROESSE COUPLING TYPE/SIZE	METASTREAM FLEX-METAL TSKS-0013-0377-1400 ②

GROESSEN / SIZES

PUMPE - PUMP	116
GRUNDPLATTE - BASEPLATE	1040
KUPPLUNG - COUPLING	5
ANTRIEB - DRIVE	38
ROHRLEITUNG - PIPELINE	475
–	-
GESAMT - TOTAL	**1674**

GEWICHTE / WEIGHTS KG

GLEITRINGDICHTUNG MECH.SEAL	BURGMANN-API682 TYP: SHFV-D2/58-E1	API SEAL CODE: BDTHN API PIPING PLAN: 53M/61

GROESSEN / SIZES

AS-BUILT REV 3

REV.	DATE	DESCRIPTION	ORIG.	PREP.	CHKD.	APPD.	AUTH.
–	–	–	–	–	–	–	–
3	2007-05-08	FINAL	DASCHNER	DASCHNER	HEINR	NEUNER	–
2	2006-02-16	FOR FINAL	BOTHE	BOTHE	HEINR	NEUNER	–
1	2005-12-07	FOR APPROVAL	BOTHE	BOTHE	HEINR	NEUNER	–
0	2005-08-03	FOR APPROVAL	BOTHE	BOTHE	HEINR	NEUNER	-

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:
KSB	OIEC	IOEC

TITLE: DIMENSIONAL OUTLINE DRAWING ITEM-NO.: 114-P-111/211 A/B
PROPANE WATER RECIRCULATING PUMPS

DWG NO. VP-6340S-114-P111-001 SHEET NO. 1 OF 1 REV. 2

PURCHASER NO.	PO-6340S-0910-01-0	
KSB ORDER NO.	9970869420	7100
ADD. POS. NO.		
ALTERATION/INDEX/NO AENDERUNG/INDEX/ANZ. MODIF/INDICE/NOM	04	
WELD/SCHWEIS.		
CALCUL./BERECHN.		
QUALITY/QUALIT.		
APPR./GEPR.	16.10.2007	SEIBMAN
PREPARE./BEARB	16.10.2007	DRESMAT
	DATE/DATUM	NAME/NOM

UG
TYPE/BAUREIHE/SERIE DE CONSTR
RPH 025-180

DENOMINATION/BENENNUNG/DESIGNATION
INSTALLATION PLAN
AUFSTELLUNGSPLAN
PLAN D'INSTALLATION

SCALE MASSSTAB ECHELLE -:-

KSB
NO/NR. F109423 CDI 001
SHT-NR/BLATT No FEUILLE 1
OF / VON NOMBRE F. 1

COPYR ISO 16016 SCHUTZVERM ISO 16016 PROT ISO 16016
REPL FOR/ERS.FUER/REMPL L.N. ORIG.FR/ENTST.AUS/FAIT A PART