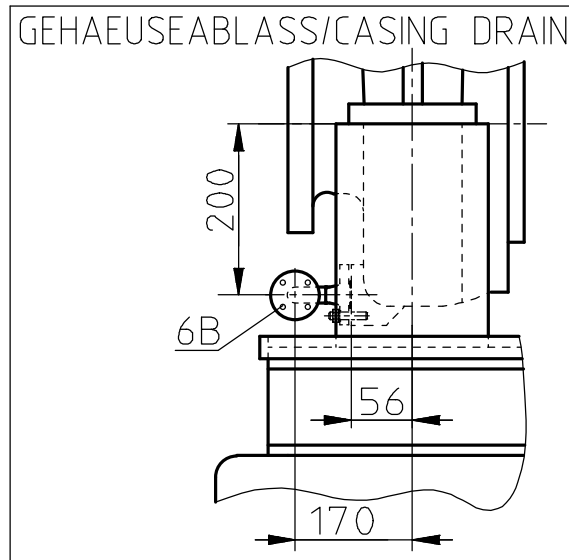
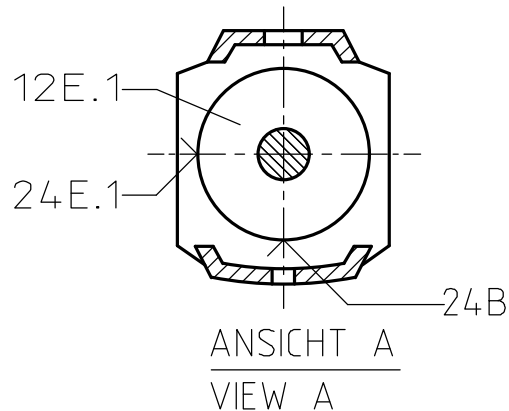
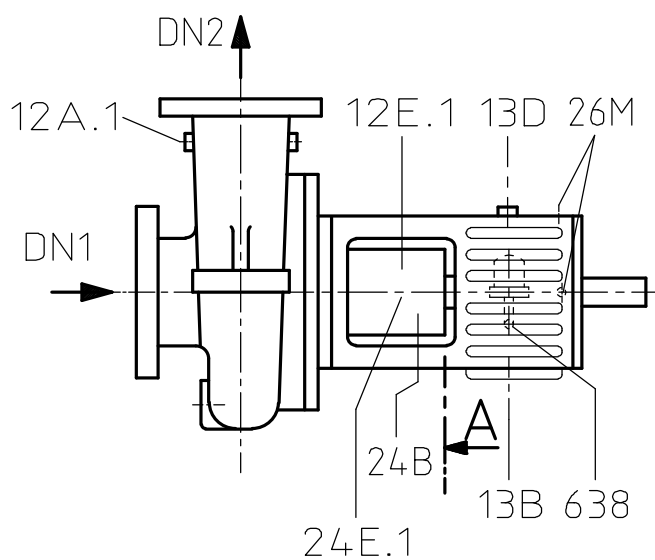


MASSE IN MM / DIMENSIONS IN MM

| | | | | | | | | |
|-------------------------|----------------|---|---|--------------------|-----|--|--|---|
| 26M | Ø 30-M8 | STOSSIMPULSMESSUNG - SHOCK IMPULSE MEASUREMENT | - | X | - | - | - | - |
| 31M | 2 X M6 | ERDUNGSANSCHLUSS - EARTHING CONNECTION | - | X | - | - | - | - |
| 12E.1/12A.1 | NPT 1/2 | ZIRKULATIONSFL. EIN/AUS - FLUSH LIQUID INLET/OUTLET | - | - | X | - | - | - |
| 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 | ÖLABLASS - OIL DRAIN | X | - | - | - | - | - |
| 13D | NPT 1/2 | ENTLUEFTUNGSSTOPFEN - VENT PLUG | X | - | - | - | - | - |
| 638 | NPT 1/4 | ÖLSTANDSREGLER - CONSTANT LEVEL OILER | WIRD LOSE MITGELIEFERT - LOOSE ITEM | - | - | - | - | - |
| ANSCHLUSS CONNECTION | GROSSE SIZE | BEZEICHNUNG DESIGNATION | MIT STOPFEN VERSCHLOSSEN/ CLOSED WITH SCREW PLUG | KUNDE/ CUSTOMER | KSB | ERF. MENGE/ QUANTITY REQU. L/MIN | ERF. DRUCK/ PRESSURE REQU. BAR | MAX. DRUCK/ PRESSURE MAX. BAR |

ANSCHLUESSE / CONNECTIONS DIE AUSFUEHRUNG DES AUFTRAGES IST DURCH X GEKENNZEICHNET / THE EXECUTION OF THE ORDER IS MARKED BY X



| | |
|-------------------------|------------------------------|
| 6B | ASME B16.5 CL.150RF NPS 3/4" |
| DN2 | ASME B16.5 CL.150FF NPS 2" |
| DN1 | ASME B16.5 CL.150FF NPS 3" |
| ANSCHLUSS CONNECTION | AUSFUEHRUNG DESIGN |

FLANSCH / FLANGES

| | |
|---|--|
| GRUNDPLATTENGROSSE BASEPLATE SIZE | API 3.5 (UG104.9259) |
| MOTORGROSSE MOTOR SIZE | LOHER IEC-250M 55KW |
| KUPPLUNGSTYP/GROSSE COUPLING TYPE/SIZE | METASTREAM FLEX-METAL TSKS-0033-0378-1400 |

GROESSEN / SIZES

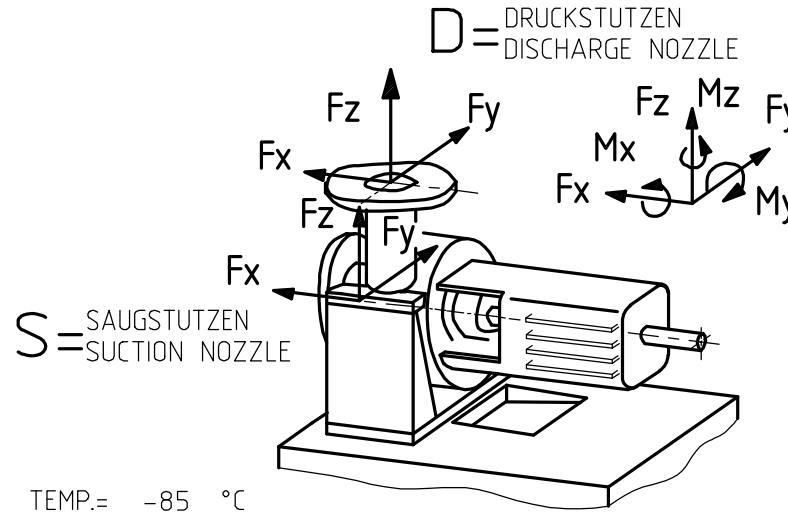
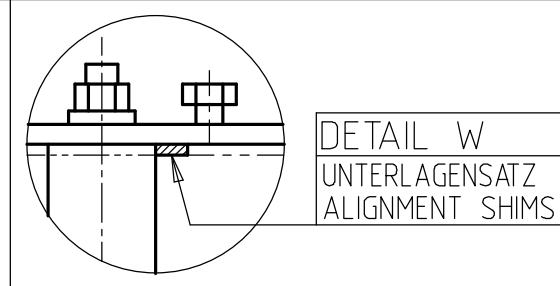
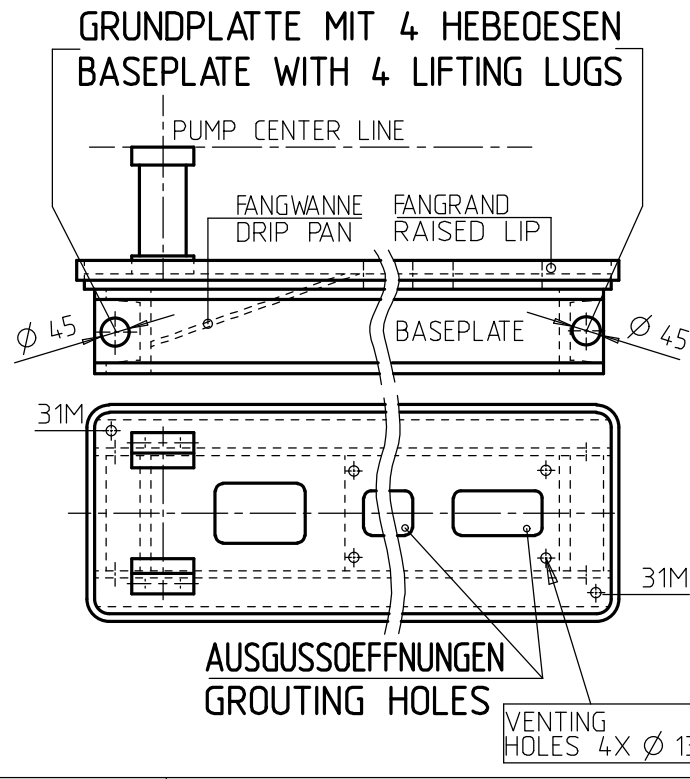
| | |
|-------------------------|------|
| PUMPE - PUMP | 347 |
| GRUNDPLATTE - BASEPLATE | 620 |
| KUPPLUNG - COUPLING | 8 |
| ANTRIEB - DRIVE | 410 |
| - | - |
| - | - |
| GESAMT - TOTAL | 1385 |
| GEWICHTE / WEIGHTS | KG |

LEITUNGEN SPANNUNGSFREI ANSCHLIESSEN!
ZULAESSIGE MASSABWEICHUNGEN FUER:
ACHSHOEHEN FUER MASCHINEN
ANSCHLUSSMASSE FUER PUMPEN
MASSE OHNE TOLERANZANGABE - GRAUGUSSTEILE
MASSE OHNE TOLERANZANGABE - SCHWEISSTEILE
ALLGEMEINTOLERANZEN FUER BEARBEITETE TEILE

DIN 747
DIN EN 735
DIN 1686 GTB18
EN ISO 13920B
DIN ISO 2768-m

THE LINES MUST BE CONNECTED WITHOUT TRANSMITTING ANY STRESSES OR STRAIN!
PERMISSIBLE DEVIATIONS OF DIMENSIONS FOR:
AXIS HEIGHTS FOR MACHINES
CONNECTION DIMENSIONS FOR PUMPS
DIMENSIONS WITHOUT MENTION OF TOLERANCES - GREY CAST IRON COMPONENTS
DIMENSIONS WITHOUT MENTION OF TOLERANCES - WELDED COMPONENTS
GENERAL TOLERANCES FOR MACHINED COMPONENTS

DIN 747
DIN EN 735
DIN 1686 GTB18
EN ISO 13920B
DIN ISO 2768-m



TEMP. = -85 °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 FORCES (N) | SAUGSTUTZEN SUCTION NOZZLE | | | | DRUCKSTUTZEN DISCHARGE NOZZLE | | | | |
|----------------------------|-------------------------------|------|------|------|----------------------------------|------|------|------|--|
| | Fx | Fy | Fz | Fres | Fx | Fy | Fz | Fres | |
| 2670 | 2140 | 1780 | 3860 | 1430 | 1160 | 1780 | 2560 | | |
| MOMENTE MOMENTS (Nm) | Mx | My | Mz | Mres | Mx | My | Mz | Mres | |
| 1900 | 950 | 1440 | 2570 | 920 | 460 | 710 | 1250 | | |

| | | |
|---------------------------------|--------------------------------------|--|
| GLEITRINGDICHTUNG MECH. SEAL | BURGMANN-API682 TYP: H75VN/70-E80 | API SEAL CODE: BSTFN API PIPING PLAN: 11/61 |
|---------------------------------|--------------------------------------|--|

GROESSEN / SIZES

AS-BUILT REV 3

| | | | | | |
|--|------------|--------------|--------------------------|----------|-------|
| - | - | - | - | - | - |
| 3 | 2007-05-08 | FINAL | DASCHNER | DASCHNER | HEINR |
| 2 | 2006-02-17 | FOR FINAL | BOTHE | BOTHE | HEINR |
| 1 | 2005-12-12 | FOR APPROVAL | BOTHE | BOTHE | HEINR |
| 0 | 2005-08-03 | FOR APPROVAL | BOTHE | BOTHE | HEINR |
| REV. | DATE | DESCRIPTION | ORIG. | PREP. | CHKD. |
| SOUTH PARS GAS FIELD DEVELOPMENT- PHASES 9 & 10, ASSALUYEH-IRAN ONSHORE FACILITIES | | | PARS OIL AND GAS COMPANY | | |
| PROJECT NO.: POGC-760-81-156 | | | DOC. CLASS. | | |
| TITLE: DIMENSIONAL OUTLINE DRAWING POTABLE AND SERVICE WATER PUMPS | | | ITEM-NO.: 128-P-101 A/B | | |
| DWG NO. VP-6340S-128-P101-001 | | | SHEET NO. 1 OF 1 | | |

| | | | |
|--|--------------------|--|-------------------------------|
| PURCHASER NO. | PO-6340S-0910-01-0 | UG | TYPE/BAUREIHE/SERIE DE CONSTR |
| KSB ORDER NO. | 9970869420 | 8000 | RPH 050-360 |
| ADD. POS. NO. | | | |
| ALTERATION INDEX/NO ÄNDERUNG INDEX/ANZ. MODIF INDEX/NO | 04 | | |
| WELD/SCHWEIS. | | | |
| CALCUL./BERECHN. | | | |
| QUALITY/QUALIT. | | | |
| APPR./GEPR. | 16.10.2007 | SEIBMAN | |
| PREPARE./BEARB. | 16.10.2007 | DRESMAT | |
| DATE/DATUM | | NAME/NOM | |
| DENOMINATION/BENENNUNG/DESIGNATION | | INSTALLATION PLAN AUFSTELLUNGSPLAN PLAN D'INSTALLATION | |
| NO. NR. | | F109432 | |
| COPYR ISO 16016 | | SCHUTZVERM ISO 16016 | |
| REPL. FOR/ERS. FUER/REPL. L.N. | | ORIG. FÜR/ENTST. AUS/FAIT 'A' PART | |
| SCALE | | MASSSTAB | |
| ECHELLE | | -:- | |
| SHT-NR/BLATT | | No FEUILLE | |
| 1 | | 1 | |
| OF / VON | | NOMBRE F. | |
| 1 | | 1 | |