

| Gasaustritt-Stellung GAS OUTLET POSITION  | x | y |
|---|------|------|
| 0° | 2749 | 7795 |
| 15° | 2938 | 7770 |
| 30° | 3114 | 7697 |
| 45° | 3265 | 7581 |

- *1) Optionale Ausführung (wenn verlangt)
OPTIONAL EXECUTION (IF REQUIRED)
 - *2) Standard Ausführung
STANDARD EXECUTION
- Vorschlag, endgültige Position in Übereinstimmung mit Werft zu bestimmen*
PROPOSAL TO DETERMINE FINAL POSITION
IN ACCORDANCE WITH SHIPYARD
- *3) Externe Ausführung (wenn verlangt)
EXTERNAL EXECUTION (IF REQUIRED)
 - *4) SEE DAAD116127

Alle Flansanschlüsse am Motor sind mit Gegenflanschen versehen (Blindflansch), ausgenommen der Anschluss fuer den Gasaustritt am Turbolader. Die Blindflansche sind nach dem betreffenden Rohrdurchmesser des Werftanschlusses aufzubohren. THE PIPE CONNECTIONS ON THE ENGINE ARE SUPPLIED WITH MATING FLANGES (BLIND), WITH EXCEPTION OF THE TURBOCHARGER EXHAUST GAS OUTLET. BLIND FLANGES TO BE DRILLED TO MATCH PIPE DIA SUPPLIED BY THE SHIPYARD.

Die Gewinde-Anschlüsse werden komplett geliefert
SCREWED CONNECTIONS ARE SUPPLIED COMPLETE

1 x A175

| | | | | | | | | | | | |
|------------------------|------------|------------|----------------|-------------------|---------------------|------------|------------|----------------|---------------|-------------|---|
| No Weight | | | | | | | | | | | |
| PER ENGINE | | | | | | | | | | | |
| FR-AD09657 Material | Quantity | 001 | 107390.729/500 | FLANGE DIMENSIONS | | | | 107390.729 | 0,001 | | |
| | STQ NO | | Material ID | Material Name | Standard or Drawing | | | Basic Material | Weight GR.NET | | |
| | | | | | | | | | B-Code XXXXXX | Main Draw | |
| | | | | | | | | Standard ISO | H | | |
| Model | 11.12.2015 | 18.11.2020 | 27.04.2021 | | | | | | | | |
| Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date | | | | |
| 5x62 | | | | | | | | | | | |
| PIPE CONNECTION PLAN | | | | | | | | | | | |
| Rohranschlussplan | | | | | | | | | | | |
| Units mm kg NX | | | | | | | | | | | |
| Basic Material | | | | | | | | | | | |
| Net Weight | | | | | | | | | | | |
| Part | 24.04.2015 | kub010 | kubler | Scale | 1:4,0 | Size | A0 | Page | 1 / 2 | Material ID | |
| Chapt | 02.06.2015 | hds002 | Dorre | Design Group | | | | | | | |
| Asst | 02.06.2015 | jhs002 | Haug | 8020 | Drawing No | DAAD065709 | | | | Rev. | C |
| ISO 15027-m&k | | | | | | | | | | | |

① Vorschlag, endgültige Position in Übereinstimmung mit Werft zu bestimmen
PROPOSAL TO DETERMINE FINAL POSITION IN ACCORDANCE WITH SHIPYARD

① Vorschlag, endgültige Position in Übereinstimmung mit Werft zu bestimmen
PROPOSAL TO DETERMINE FINAL POSITION IN ACCORDANCE WITH SHIPYARD

| | | | | | |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|

©

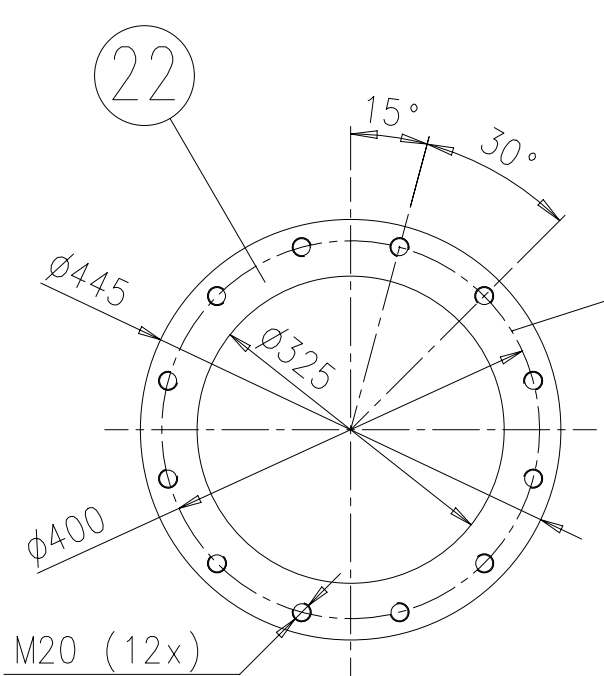
*3) Externe Ausfuehrung (wenn verlangt)
EXTERNAL EXECUTION (IF REQUIRED)

| | | | | | |
|--|---|---|----|----|----|
| | 8 | 9 | 10 | 11 | 12 |
|--|---|---|----|----|----|

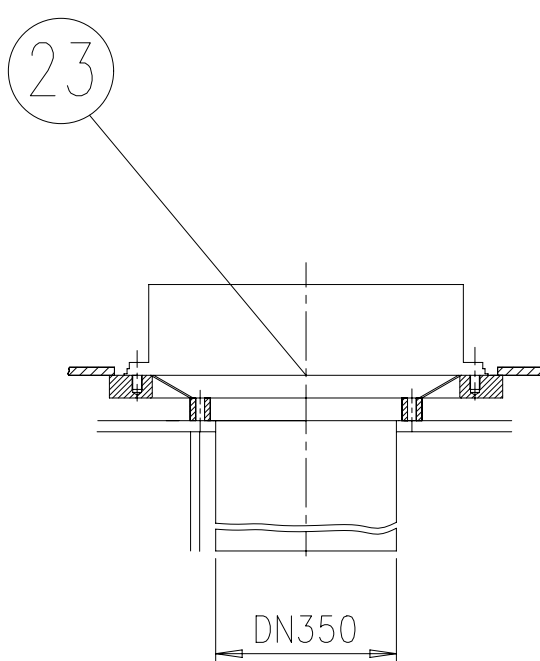
(B)

| | | |
|----|----|--|
| 14 | 15 | Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any |
|----|----|--|

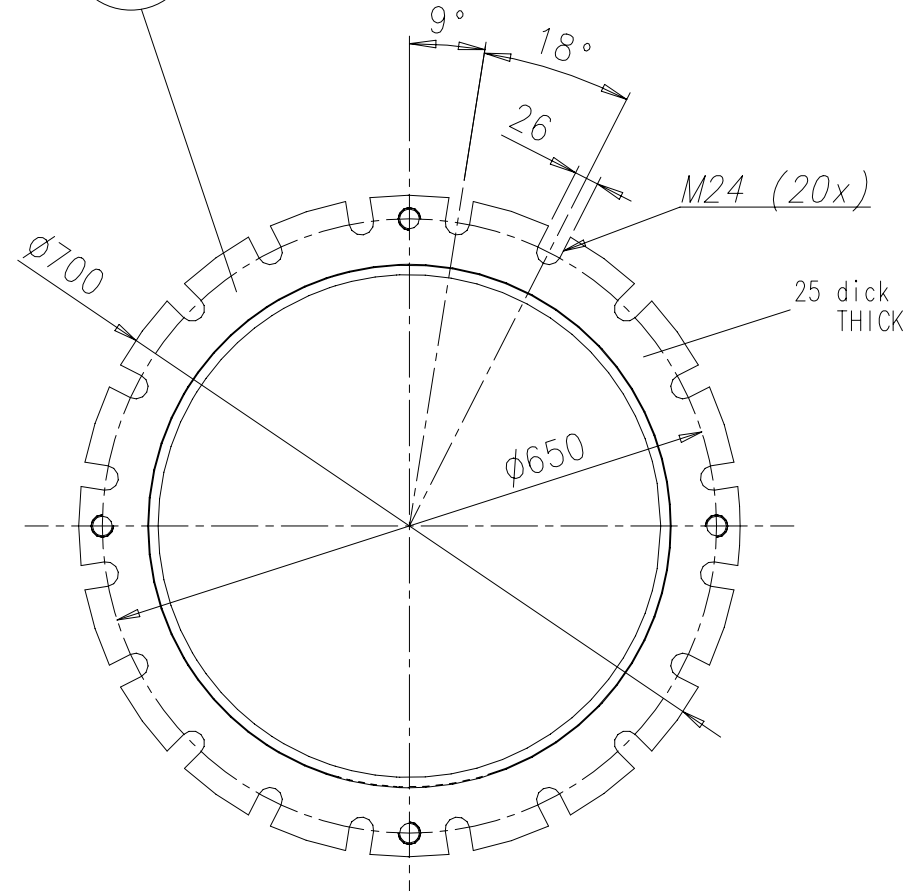
fuer horizontalen Oelablauf
freies Ende und Antriebseite
FOR HORIZONTAL LUB. OIL DRAIN
FREE END AND DRIVING END



fuer vertikalen Oelablauf
FOR VERTICAL LUB. OIL DRAIN
siehe Ko.Gr. 1110 / 9722
SEE GROUP

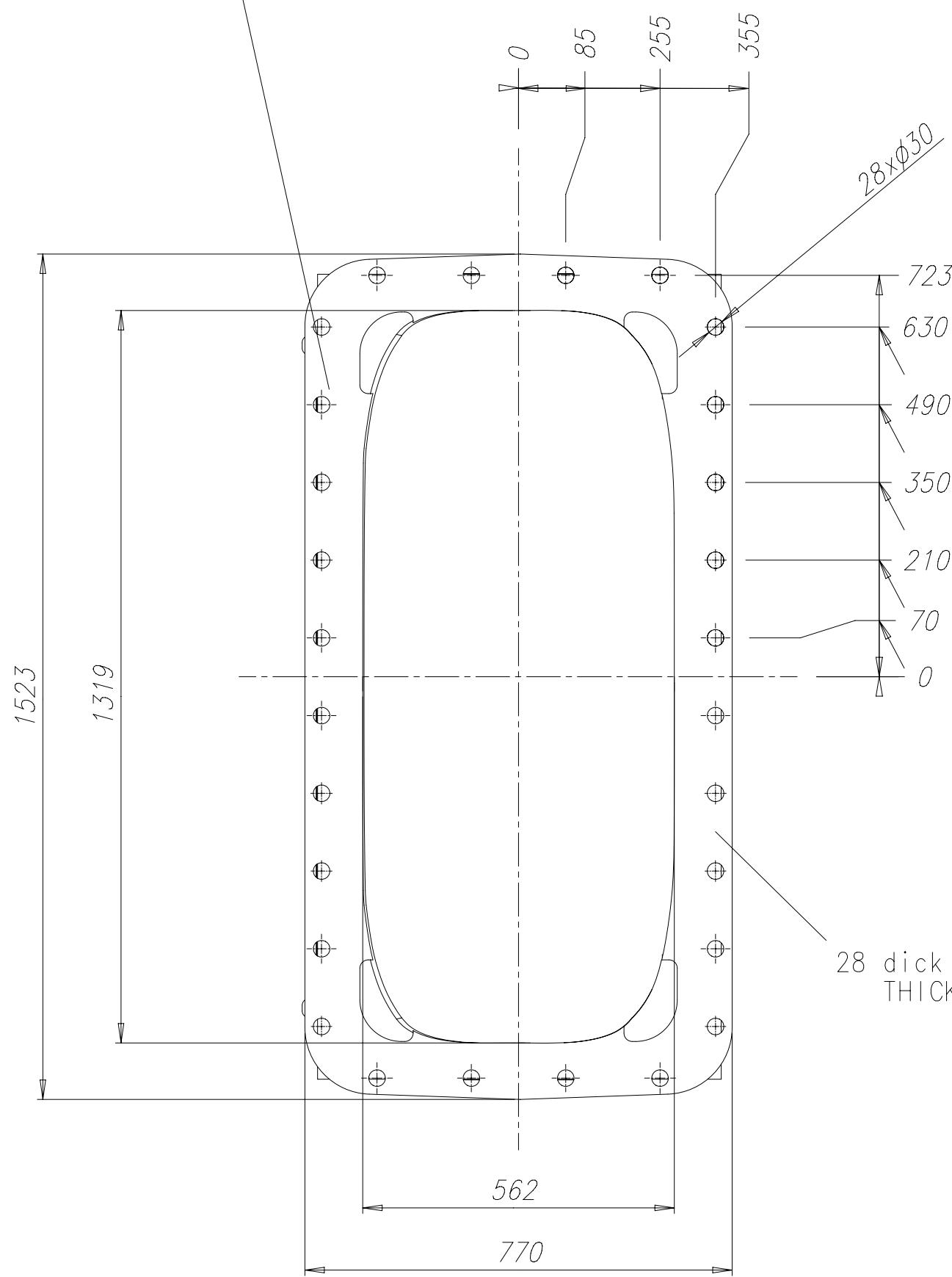


7




7

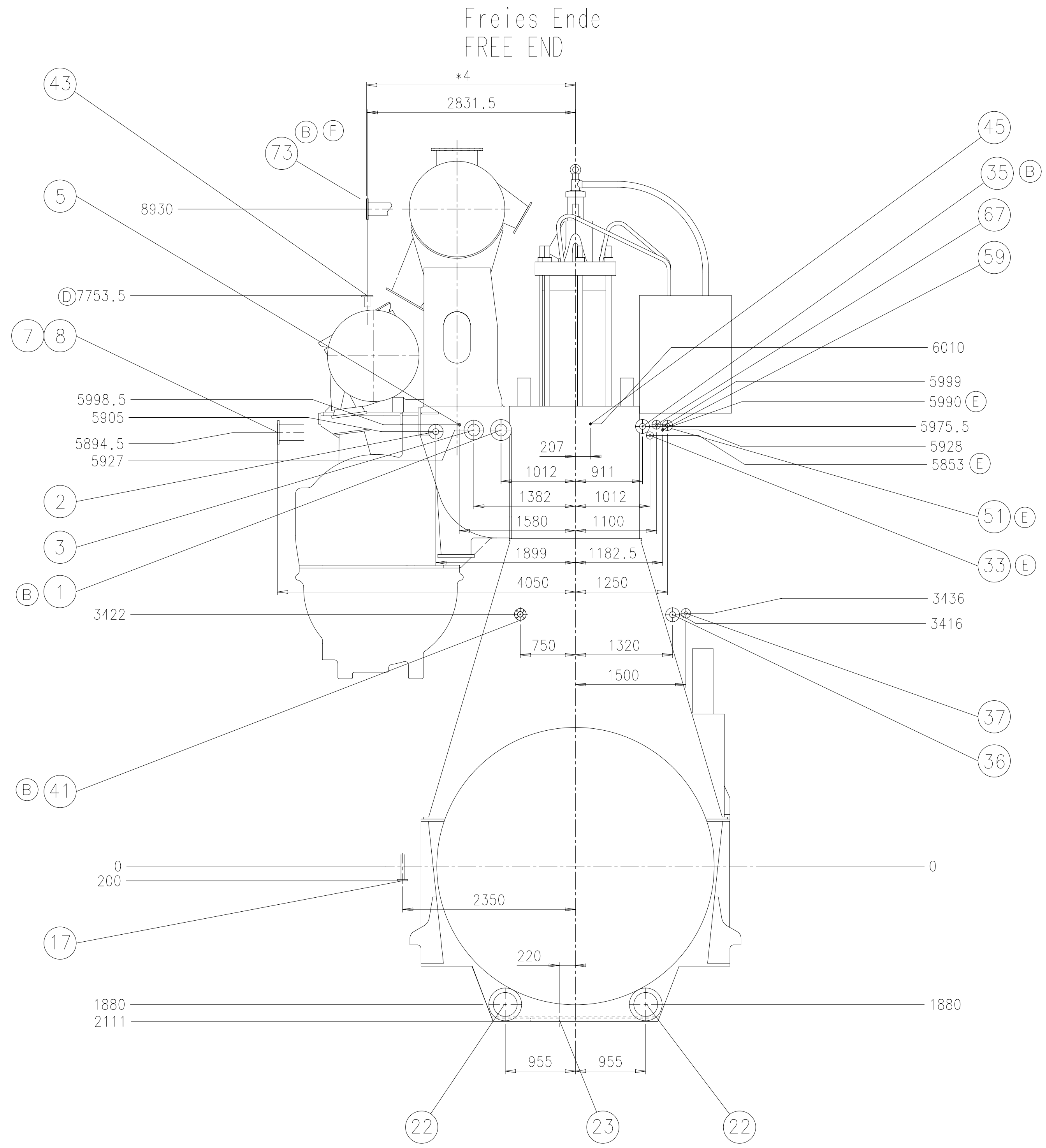
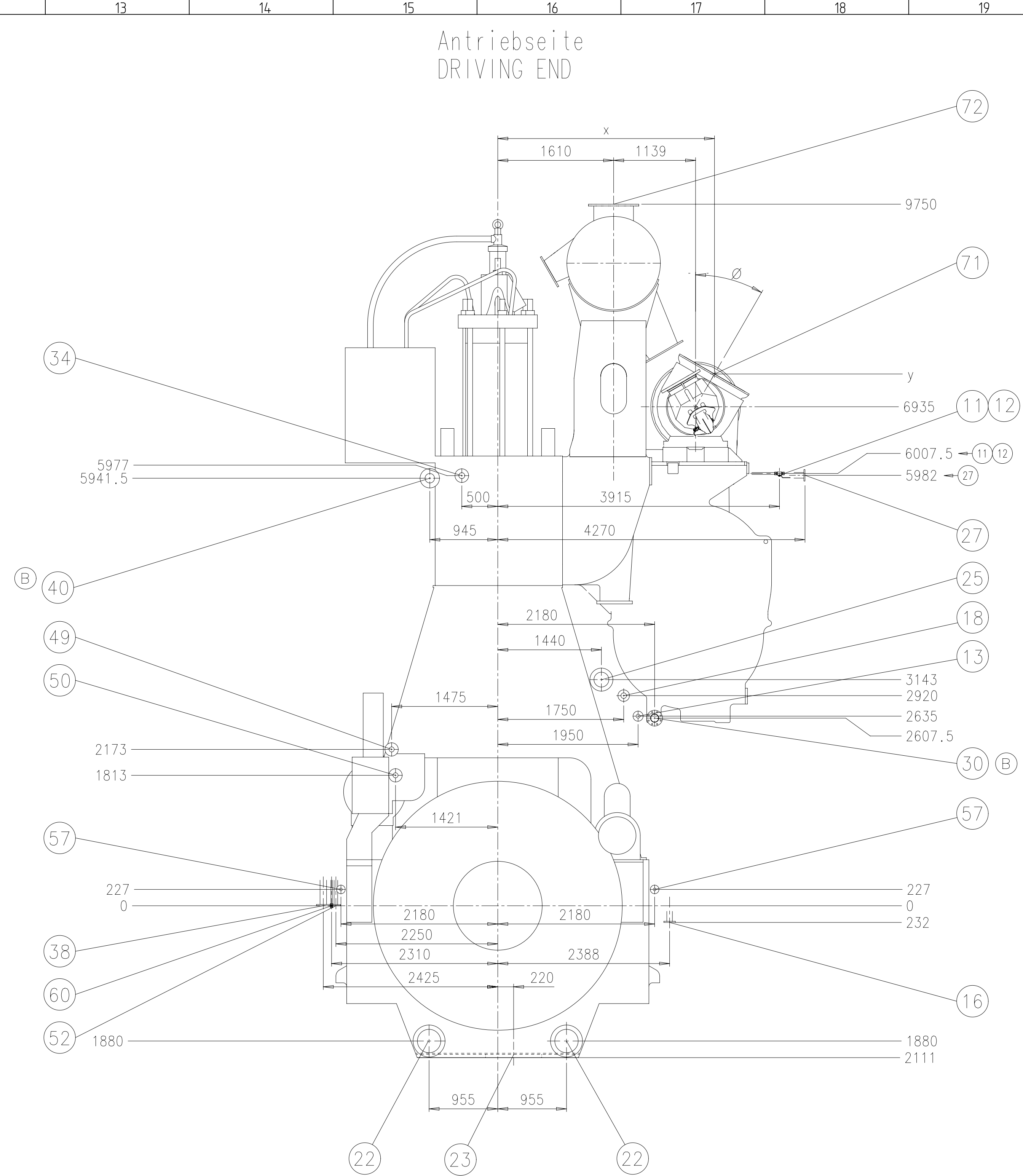
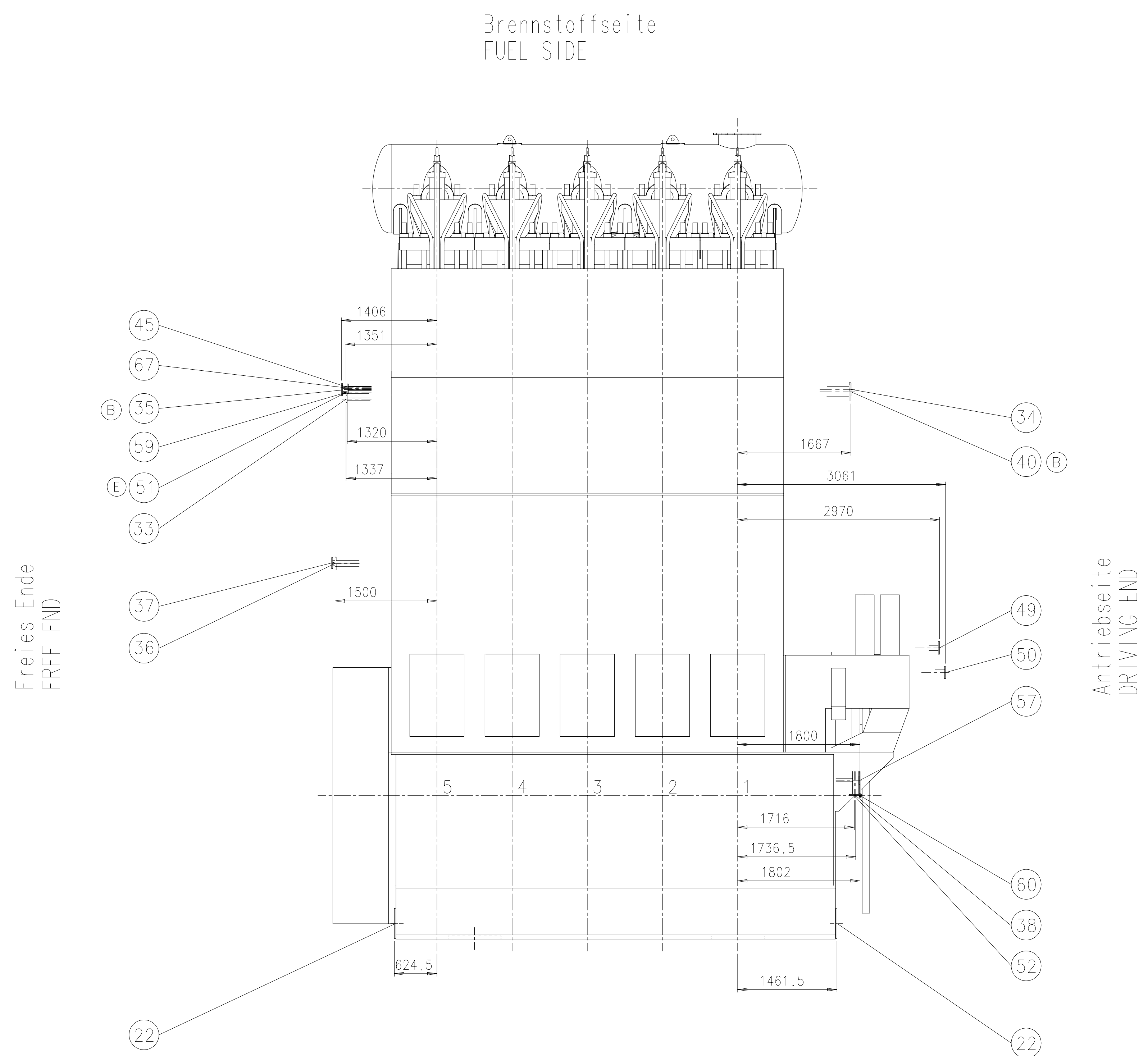
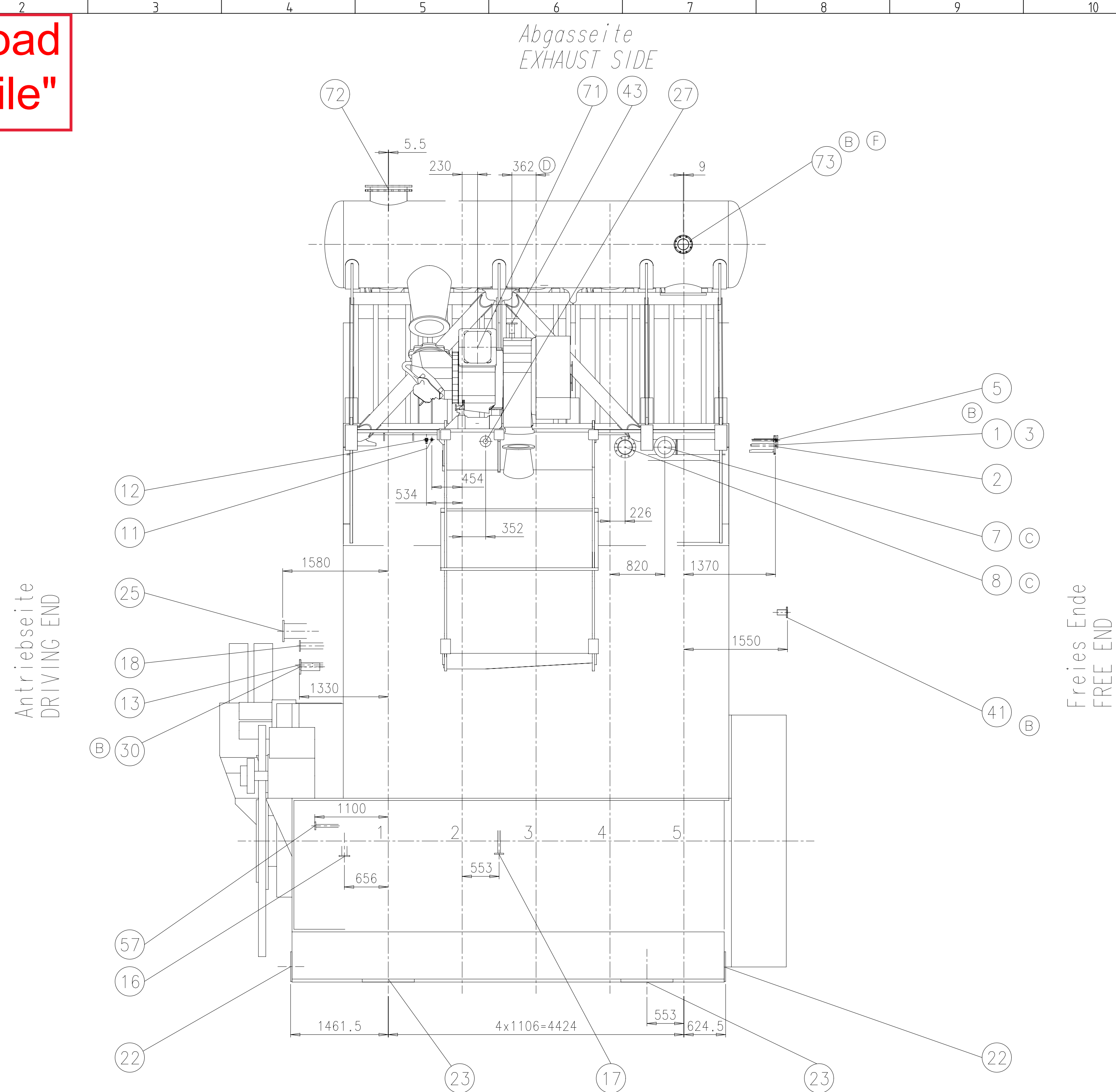
Gas-Austritt vom Turbolader
GAS OUTLET FROM TURBOCHARGER




1x A175

| | | | | | | | | | | | | |
|--|--------------|----|----------------------|----------------|--------------|------------|-----------|------------|--------------|------|-------------------------------------|--------------|
| Free space | | | | | | | | | | | D-Code XXXXXX Standard ISO | Man Dr. H |
| Mod. | A EAAD085783 | | 11/2.15 | | E EAAD094267 | | 118.11.20 | | C EAAD094022 | | 27.04.2016 | |
| | Number | | Drawn | | Number | | Drawn | | Number | | Drawn | |
| | | | | | | | | | | | | |
| Product | | | PIPE CONNECTION PLAN | | | | | | | | | |
| 5x62 | | | Rohranschlussplan | | | | | | | | | |
|  Winterthur Ges & Diesel | | | | | | | | | | | | |
| Units | mm | NX | | Basic Material | | Net weight | | | | | | |
| Phase | 24.04.05 | | | kx010 kubler | | Scale | 1:1 | Size | 40 | Page | 2/2 | |
| Chkd | 02.06.05 | | | hbd002 Dorne | | Design | Group | 10 | | | | |
| | 02.06.05 | | | bha009 Haag | | 8020 | Drawing | DAAD065709 | | | | |
| | | | | | | | | Res. C | | | | |

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| Gasaustritt-Stellung GAS OUTLET POSITION  | x | y |
|---|------|------|
| 0° | 2749 | 7461 |
| 15° | 2885 | 7443 |
| 30° | 3012 | 7391 |
| 45° | 3121 | 7307 |

*1) Optionale Ausführung (wenn verlangt)
OPTIONAL EXECUTION (IF REQUIRED)

*2) Standard Ausführung
STANDARD EXECUTION

Vorschlag, endgültige Position in Uebereinstimmung
mit Werft zu bestimmen
PROPOSAL TO DETERMINE FINAL POSITION
IN ACCORDANCE WITH SHIPYARD

ⓑ *3) Externe Ausführung (wenn verlangt)
EXTERNAL EXECUTION (IF REQUIRED)

ⓕ *4) SEE DAAD116127

Alle Flanschanschlüsse am Motor sind mit Gegenflanschen versehen (Blindflansch), ausgenommen der Anschluss fuer den Gasaustritt am Turbolader. Die Blindflansche sind nach dem betreffenden Rohrdurchmesser des Werftflanschlusses aufzubohren. THE PIPE CONNECTIONS ON THE ENGINE ARE SUPPLIED WITH MATING FLANGES (BLIND), WITH EXCEPTION OF THE TURBOCHARGER EXHAUST GAS OUTLET. BLIND FLANGES TO BE DRILLED TO MATCH PIPE DIA SUPPLIED BY THE SHIPYARD.

Die Gewinde-Anschlüsse werden komplett geliefert
SCREWED CONNECTIONS ARE SUPPLIED COMPLETE

1x A265

[illegible]

*1) Optionale Ausführung (wenn verlangt)
OPTIONAL EXECUTION (IF REQUIRED)

*2) Standard Ausführung
STANDARD EXECUTION

Vorschlag, endgültige Position in Übereinstimmung
mit Werft zu bestimmen
PROPOSAL TO DETERMINE FINAL POSITION
IN ACCORDANCE WITH SHIPYARD

| | | | | Ko.Gr. KO. GR. | Leitungs-Anschlüsse PIPE-CONNECTIONS | | | |
|----|-----------------------------------|---|-----------------|-------------------|---|------------------------------|----------------------------|------------------------------|
| | | | | | Freies Ende FREE END | Antriebsseite DRIVING END | Abgasseite EXHAUST SIDE | Brennstoffseite FUEL SIDE |
| 1 | | Zylinderkühlwasser Eintritt CYLINDER COOLING WATER INLET | DN 150 PN 10 | 8301 | X | | X | |
| 2 | | Zylinderkühlwasser Eintritt CYLINDER COOLING WATER INLET | DN 80 PN 10 | 8305 | X | | X | |
| 3 | | Zylinderkühlwasser Austritt CYLINDER COOLING WATER OUTLET | DN 150 PN 6 | 8310 | X | | X | |
| 4 | | Zylinderkühlwasser Entlüftung CYLINDER COOLING WATER VENTING | DN PN | 8310 | Nicht benoetigt NOT USED | | | |
| 5 | | Zylinderkühlwasser Entleerung Austritt CYLINDER COOLING WATER DRAIN OUTLET | DN 20 PN 6 | 8313 | X | | X | |
| 6 | | SLK Entleerung Austritt SAC DRAIN OUTLET | DN PN | 8314 | Nicht benoetigt NOT USED | | | |
| 7 | | SLK-NT-Kuehlwasser Eintritt SAC-LT-COOLING WATER INLET | DN 200 PN 6 | 8335 | X | | X | |
| 8 | | SLK-NT-Kuehlwasser Austritt SAC-LT-COOLING WATER OUTLET | DN 200 PN 6 | 8335 | X | | X | |
| 9 | | SLK-HT-Kuehlwasser Eintritt SAC-HT-COOLING WATER INLET | DN PN | 8335 | Nicht benoetigt NOT USED | | | |
| 10 | | SLK-HT-Kuehlwasser Austritt SAC-HT-COOLING WATER OUTLET | DN PN | 8335 | Nicht benoetigt NOT USED | | | |
| 11 | | Wasser fuer Reinigungsanlage TL und SLK Eintritt WATER FOR CLEANING PLANT TC AND SAC INLET | DN 20 PN 10 | 8338 | | X | X | |
| 12 | | Luft fuer Reinigungsanlage TL und SLK Eintritt AIR FOR CLEANING PLANT TC AND SAC INLET | DN 20 PN 10 | 8338 | | X | X | |
| 13 | | Deligtes Wasser vom Receiver Austritt OILY WATER FROM RECEIVER OUTLET | DN 50 PN 6 | 8352 | | X | X | |
| 14 | | Turbolader Schmutzwasser Austritt TURBOCHARGER DIRTY WATER OUTLET | DN PN | 8355 | Nicht benoetigt NOT USED | | | |
| 15 | | Ablauf vom Wasserabscheider Austritt WATER DRAIN FROM WATERSEPARATOR OUTLET | DN PN | 8356 | Nicht benoetigt NOT USED | | | |
| 16 | | SLK Kondenswasser Austritt SAC CONDENSATE WATER OUTLET | DN 65 PN 6 | 8357 | | X | X | |
| 17 | | SLK Waschwasser Austritt SAC WASHING WATER OUTLET | DN 32 PN 16 | 8357 | X | | X | |
| 18 | | SLK Entlüftung Austritt SAC VENTING VENTING | DN 80 PN 6 | 8357 | X | | X | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | *1) siehe Detail SEE DETAIL | Öelablauf Grundplatte Horizontal OIL DRAIN BEDPLATE HORIZONTAL | | 1110 | X | X | X | X |
| 23 | *2) siehe Detail SEE DETAIL | Öelablauf Grundplatte Vertikal OIL DRAIN BEDPLATE VERTICAL | | 1110 9722 | X | X | X | |
| 24 | | Zylinder Schmieröl Austritt CYLINDER LUB. OIL OUTLET | DN PN | 8472 | Nicht benoetigt NOT USED | | | |
| 25 | | Hauptschmieröl Eintritt MAIN LUBRICATING OIL INLET | DN 200 PN 6 | 8406 | | X | X | |

B F

*3) Externe Ausführung (wenn verlangt)
EXTERNAL EXECUTION (IF REQUIRED)

| | | | Ko.Gr. KO. GR. | Leitungs-Anschlüsse PIPE-CONNECTIONS | | | |
|----|---------|--|-------------------|---|------------------------------|----------------------------|------------------------------|
| | | | | Freies Ende FREE END | Antriebsseite DRIVING END | Abgasseite EXHAUST SIDE | Brennstoffseite FUEL SIDE |
| 26 | *3) | Schmieröl Turbolader Eintritt LUBRICATING OIL TURBOCHARGER INLET | DN PN | 8430 | Nicht benoetigt NOT USED | | |
| 27 | | Schmieröl Turbolader Austritt LUBRICATING OIL TURBOCHARGER OUTLET | DN 65 PN 6 | 8431 | | X | X |
| 28 | | Spuelöl Automatikfilter Austritt FLUSHING OIL AUTOMATIC FILTER OUTLET | DN PN | 8445 | Nicht benoetigt NOT USED | | |
| 29 | | Schmutzöl Ablauf Versorgungseinheit Austritt DIRTY OIL DRAIN SUPPLY UNIT OUTLET | DN PN | 8452 | Nicht benoetigt NOT USED | | |
| 30 | | Schmieröl Kreuzkopf Eintritt LUBRICATING OIL CROSSHEAD INLET | DN 100 PN 16 | 8455 | | X | X |
| 31 | | Leckagen vom Motor Austritt DIRTY OIL LEAKAGE FROM ENGINE OUTLET | DN PN | 8463 | Nicht benoetigt NOT USED | | |
| 32 | *1) | Zylinder Schmieröl Eintritt CYLINDER LUB. OIL (HIGH BN) INLET | DN PN | 8475 | Nicht benoetigt NOT USED | | |
| 33 | | Zylinder Schmieröl Eintritt CYLINDER LUB. OIL (LOW BN) INLET | DN 25 PN 6 | 8475 | X | | X |
| 34 | | Lecköl Antriebsseite Austritt LEAKAGE OIL DRIVING END OUTLET | DN 80 PN 6 | 8482 | | X | X |
| 35 | | Lecköl Freies Ende Austritt LEAKAGE OIL FREE END OUTLET | DN 80 PN 6 | 8483 | X | | X |
| 36 | | Schmutzöl Kolbenunterseite Austritt DIRTY OIL PISTON UNDERSIDE OUTLET | DN 80 PN 6 | 8487 | X | | X |
| 37 | | Lecköl Stopfbuechse Austritt LEAKAGE OIL GLAND BOX OUTLET | DN 40 PN 6 | 8488 | X | | X |
| 38 | | Öelablauffg. Versorgungseinheit Austritt OIL PIPE DRAIN SUPPLY UNIT OUTLET | DN 80 PN 6 | 8454 | | X | X |
| 39 | | Leckageablauf Zylinderblock Austritt LEAKAGE DRAIN CYLINDER BLOCK OUTLET | DN PN | 8462 | Nicht benoetigt NOT USED | | |
| 40 | | Anlassluft Eintritt STARTING AIR PIPE INLET | DN 125 PN 40 | 8605 | | X | X |
| 41 | | Entlüftung Kurbelgehäuse Austritt VENTING CRANKCASE OUTLET | DN 65 PN 6 | 8608 | X | | X |
| 42 | | Entlüftung Waste Gate Austritt VENTING WASTE GATE OUTLET | DN PN | 8609 | Nicht benoetigt NOT USED | | |
| 43 | | Entlüftung Turbolader Austritt VENTING TURBOCHARGER OUTLET | DN 65 PN 6 | 8610 | X | | X |
| 44 | | Entlüftung Zylinderkühlwasser Austritt VENTING CYLINDER COOLING WATER OUTLET | DN PN | | Nicht benoetigt NOT USED | | |
| 45 | | Steuerluftversorgung Eintritt CONTROL AIR SUPPLY INLET | DN 15 PN 10 | 8630 | X | | X |
| 46 | | Steuerluftversorgung Eintritt CONTROL AIR SUPPLY INLET | DN PN | 4605 | Nicht benoetigt NOT USED | | |
| 47 | | Brennstoff Eintritt FUEL INLET | DN 65 PN 16 | 8702 | | X | X |
| 48 | | Brennstoffruecklauf Austritt FUEL RETURN OUTLET | DN 65 PN 16 | 8704 | | X | X |
| 49 | | | | | | | |
| 50 | | | | | | | |

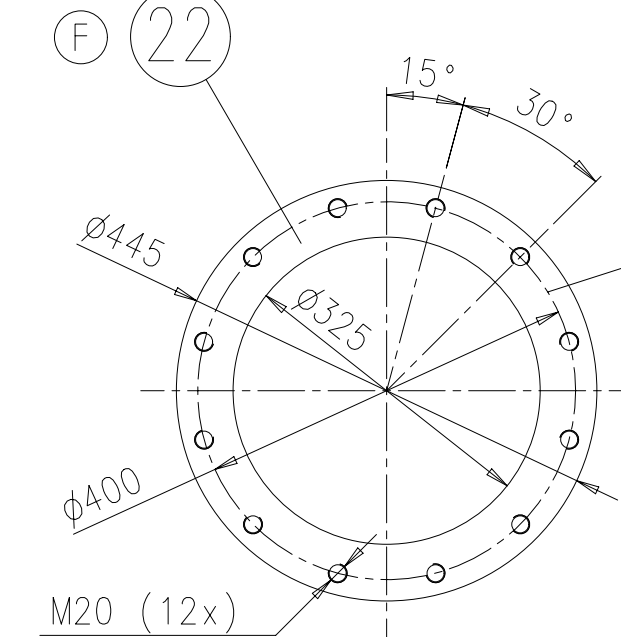
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| | | | | | | | | |
|----|----------------------------|--|----------------|--------------|-----------------------------|---|---|---|
| 51 | | Leckbrennstoff Rail Unit Austritt FUEL LEAKAGE RAIL UNIT OUTLET | DN 50 PN 6 | 8740 | X | | | X |
| 52 | | Leckbrennstoff Austritt FUEL LEAKAGE OUTLET | DN 40 PN 6 | 8744 | | X | | X |
| 53 | | Leckbrennstoff HD-Leitungen Austritt FUEL LEAKAGE HP-PIPES OUTLET | DN PN | 8742 | Nicht benoetigt NOT USED | | | |
| 54 | | Leckbrennstoff Einspritzpumpe Austritt FUEL LEAKAGE INJECTION PUMP OUTLET | DN PN | 8743 | Nicht benoetigt NOT USED | | | |
| 55 | | | | | | | | |
| 56 | | Leckbrennstoff Einspritzeinheit Austritt FUEL LEAKAGE ICU OUTLET | DN PN | 8745 | Nicht benoetigt NOT USED | | | |
| 57 | | Diverse Leckagen Austritt VARIOUS LEAKAGE OUTLET | DN 32 PN 6 | 8746 | | X | X | X |
| 58 | | | | | | | | |
| 59 | | Begleitheizung Brennstoff Eintritt TRACE HEATING FUEL INLET | DN 15 PN 16 | 8810 | X | | | X |
| 60 | | Begleitheizung Brennstoff Austritt TRACE HEATING FUEL OUTLET | DN 15 PN 16 | 8810 | | X | | X |
| 61 | | Begleitheizung Brennstoff Eintritt TRACE HEATING FUEL INLET | DN PN | 8812 | Nicht benoetigt NOT USED | | | |
| 62 | | Begleitheizung Brennstoff Austritt TRACE HEATING FUEL OUTLET | DN PN | 8812 | Nicht benoetigt NOT USED | | | |
| 63 | | Begleitheizung Brennstoffzirkulation Eintritt TRACE HEATING FUEL CIRCULATION INLET | DN PN | 8820 | Nicht benoetigt NOT USED | | | |
| 64 | | Begleitheizung Brennstoffzirkulation Austritt TRACE HEATING FUEL CIRCULATION OUTLET | DN PN | 8823 | Nicht benoetigt NOT USED | | | |
| 65 | | Feuerloesch Anlage Zylinderblock Eintritt FIRE EXTINGUISHING PLANT CYLINDER BLOCK INLET | DN 32 PN 10 | 8830 | X | | | X |
| 66 | | Feuerloesch Anlage Rail Unit Eintritt FIRE EXTINGUISHING PLANT RAIL UNIT INLET | DN PN | 8831 | Nicht benoetigt NOT USED | | | |
| 67 | | Feuerloesch Anlage Rail Unit Eintritt FIRE EXTINGUISHING PLANT RAIL UNIT INLET | DN PN | 8832 | Nicht benoetigt NOT USED | | | |
| 68 | | | | | | | | |
| 69 | | | | | | | | |
| 70 | | | | | | | | |
| 71 | siehe Detail SEE DETAIL | Abgas Turbolader Austritt EXHAUST GAS TURBOCHARGER OUTLET | | 6506 6509 | | X | X | |
| 72 | siehe Detail SEE DETAIL | Abgas Bypass Austritt EXHAUST GAS BY-PASS OUTLET | | 8103 8108 | | X | X | |
| 73 | *1)*2) | Abgas-Abblaseventil Austritt EXHAUST WASTE GATE OUTLET | DN PN | 8135 | IF USED, SEE DAAD116127 | | | |
| 74 | | | | | | | | |
| 75 | | | | | | | | |

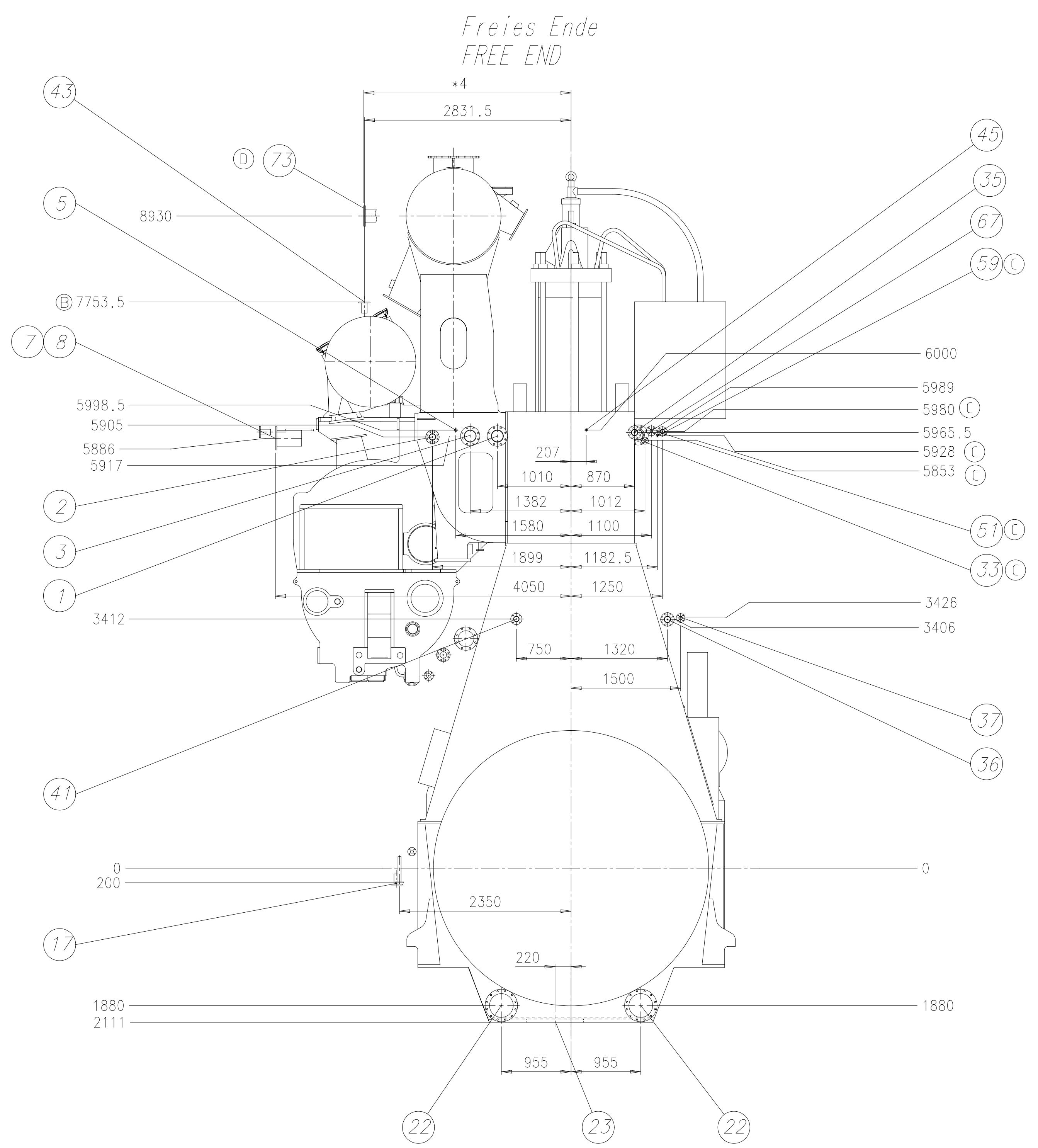
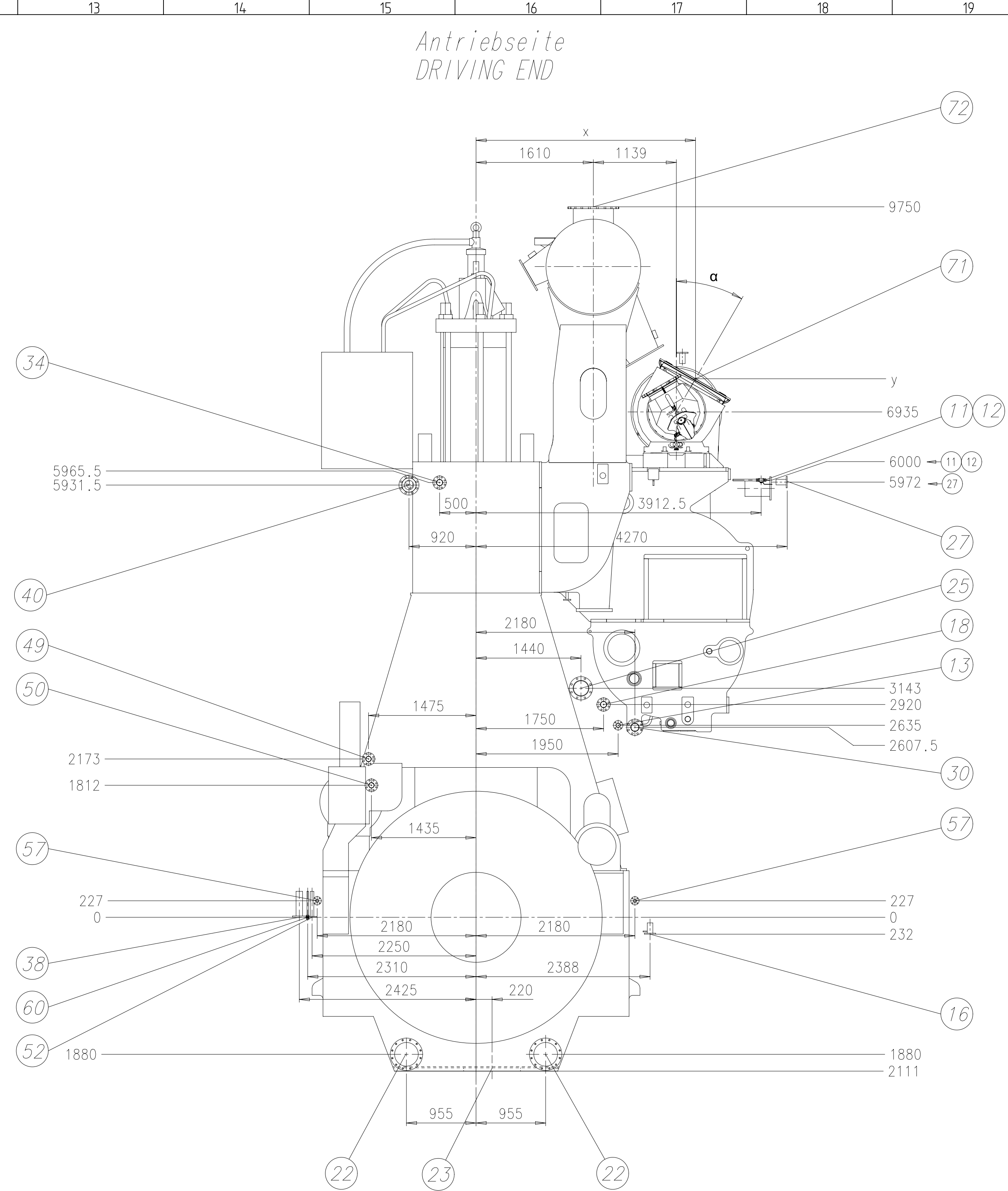
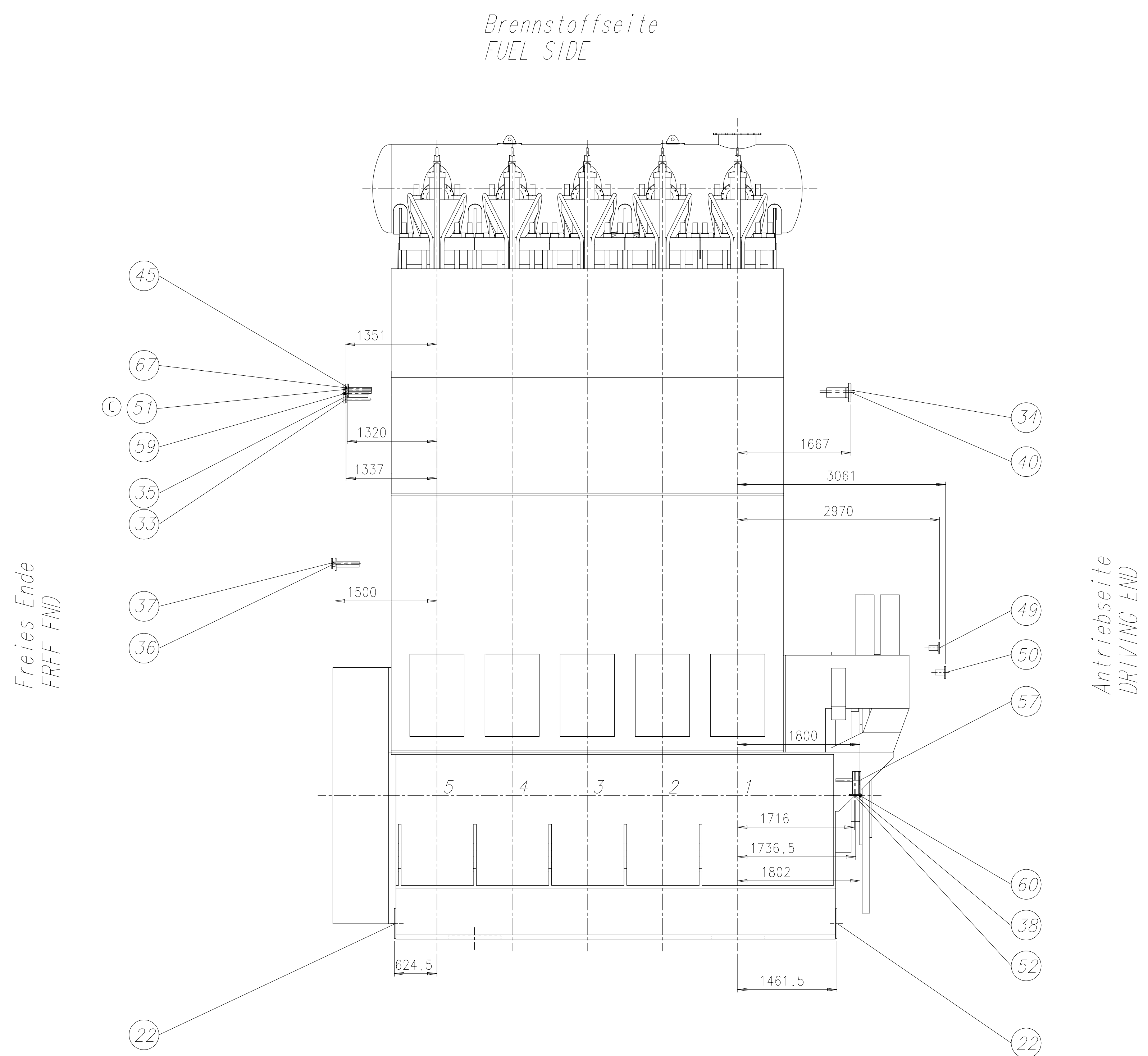
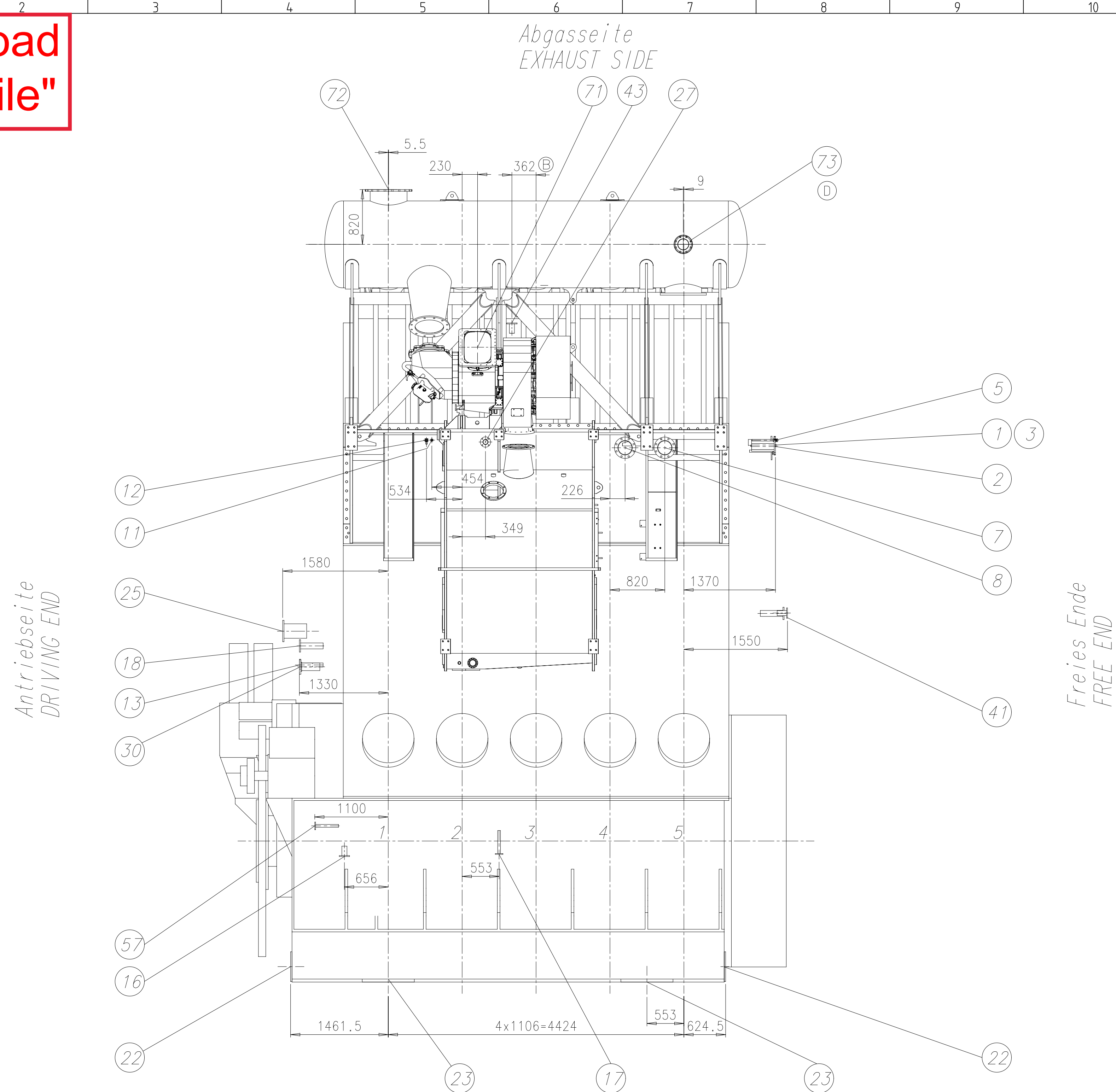
E B

1:8

fuer horizontalen Öelablauf
freies Ende und Antriebsseite
FOR HORIZONTAL LUB. OIL DRAIN
FREE END AND DRIVING END



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"DXF file"



| Gasaustritt-Stellung GAS OUTLET POSITION $\triangleleft \alpha$ | x | y |
|---|------|------|
| 0° | 2749 | 7461 |
| 15° | 2885 | 7443 |
| 30° | 3012 | 7391 |
| 45° | 3121 | 7307 |

*1) Optionale Ausführung (wenn verlangt)
OPTIONAL EXECUTION (IF REQUIRED)

*2) Standard Ausführung
STANDARD EXECUTION

Vorschlag, endgueltige Position in Uebereinstimmung
mit Werft zu bestimmen
PROPOSAL TO DETERMINE FINAL POSITION
IN ACCORDANCE WITH SHIPYARD

*3) Externe Ausführung (wenn verlangt)
 (D) EXTERNAL EXECUTION (IF REQUIRED)

*4) SEE DAAD116127

Alle Flanschanschlüsse am Motor sind mit Gegenflanschen versehen (Blindflansch), ausgenommen der Anschluss fuer den Gasaustritt am Turbolader. Die Blindflansche sind nach dem betreffenden Rohrdurchmesser des Wertflanschlusses aufzubohren, THE PIPE CONNECTIONS ON THE ENGINE ARE SUPPLIED WITH MATING FLANGES (BLIND), WITH EXCEPTION OF THE TURBO-CHARGER EXHAUST GAS OUTLET. BLIND FLANGES TO BE DRILLED TO MATCH PIPE DIA SUPPLIED BY THE SHIPYARD.


Die Gewinde-Anschlüsse werden komplett geliefert
SCREWED CONNECTIONS ARE SUPPLIED COMPLETE

1x A265

| | | | | | | | | | | | | | |
|---------------|-------------------|--------------------|---|---|-------------------|------------|--------------|-------------|-----------|-----|-------------|------------|--|
| | 0.001 | | | | | | | | | | | | |
| Quantity | 1 | 001 | 107.390.729.500 | FLANGE DIMENSIONS | | | | 107.390.729 | | | | 0.001 | |
| PER ENGINE | ENG NO | Material ID | Material Name | Standard or Drawing | Basic Material | Weight | | | | | | | |
| | | | | Dimension, Oz. | Material Standard | High Draw | | | | | | | |
| | | | | | XXXXXX | H | | | | | | | |
| | | | | | Standard JIS | | | | | | | | |
| FRAD007146 | Free piece for it | (A)EAA0D87857 | (B)EAA0D9P553 | 23.12.2019 | C EAA0D9A26T | 18.11.2020 | D EAA0D960Z2 | 27.04.2021 | | | | | |
| Material | | Number | Draw date | Number | Draw date | Number | Draw date | Number | Draw date | | | | |
| | | Product 5X62 | | PIPE CONNECTION PLAN Rohranschlussplan | | | | | | | | | |
| Units | mm kg | NX |  | Basic Material | Scale | 1:4.0 | Size | A0 | Page | 1/2 | Material ID | Net Weight | |
| Made | 11.10.2015 | Yagesh Kulkarni | Sole | Design Group | 8020 | Drawing D | DAAD07145 | Rev. | D | | | | |
| Chkd | 10.12.2015 | nba3c2 Baumgartner | | | | | | | | | | | |
| Appr | 10.12.2015 | bha009 Haag | | | | | | | | | | | |
| TO 052768-nkt | | | | | | | | | | | | | |

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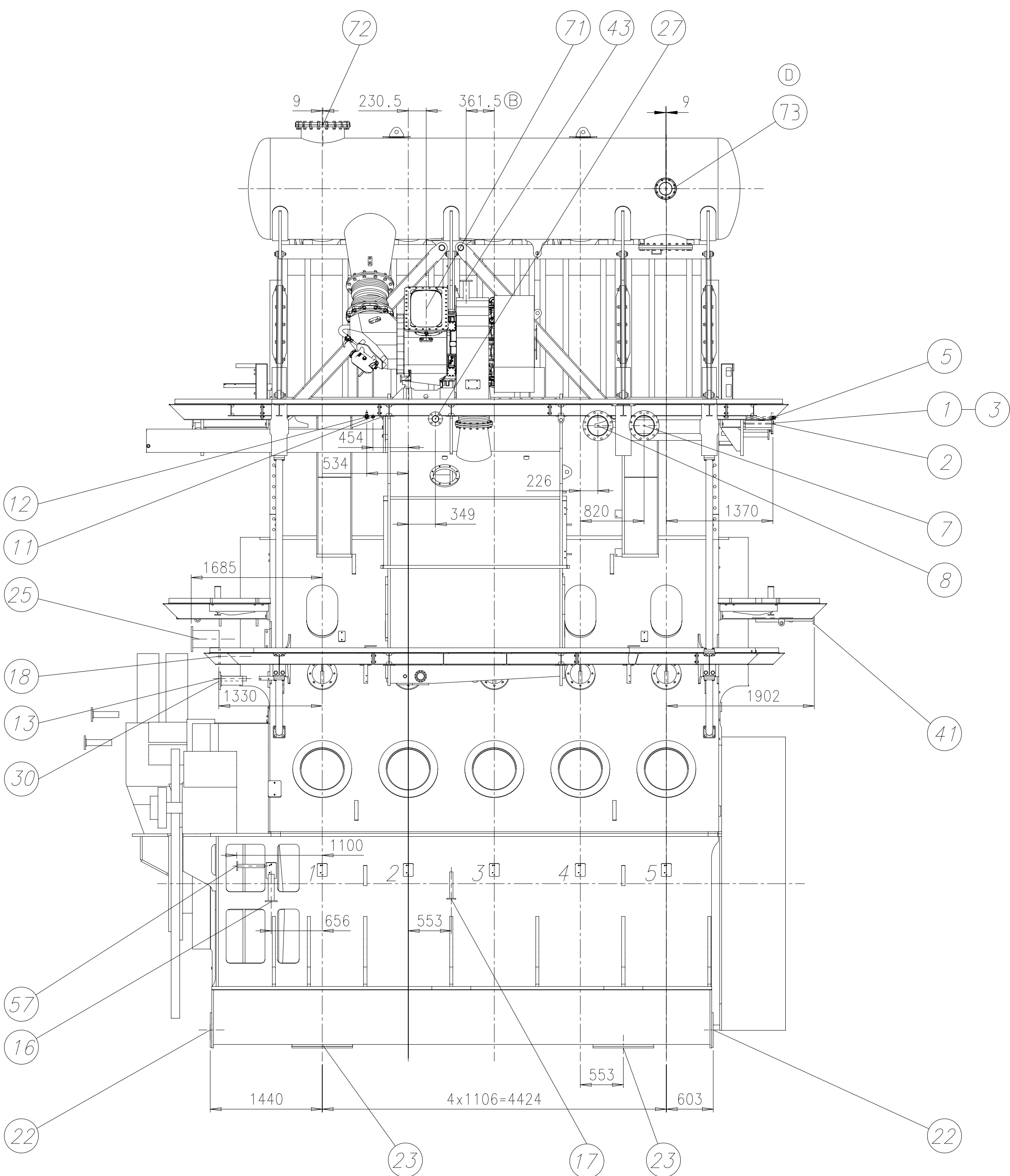
| Gasaustritt-Stellung GAS OUTLET POSITION  | x | y |
|---|------|------|
| 0° | 2749 | 7461 |
| 15° | 2885 | 7443 |
| 30° | 3012 | 7391 |
| 45° | 3121 | 7307 |

- *1) Optionale Ausführung (wenn verlangt)
OPTIONAL EXECUTION (IF REQUIRED)
- *2) Standard Ausführung
STANDARD EXECUTION
*Vorschlag: Endgültige Position
ist mit Werft zu bestimmen*
PROPOSAL: FINAL POSITION TO BE DETERMINED
IN ACCORDANCE WITH SHIPYARD
- *3) Externe Ausführung (wenn verlangt)
EXTERNAL EXECUTION (IF REQUIRED)
- *4) SEE DAAD116127

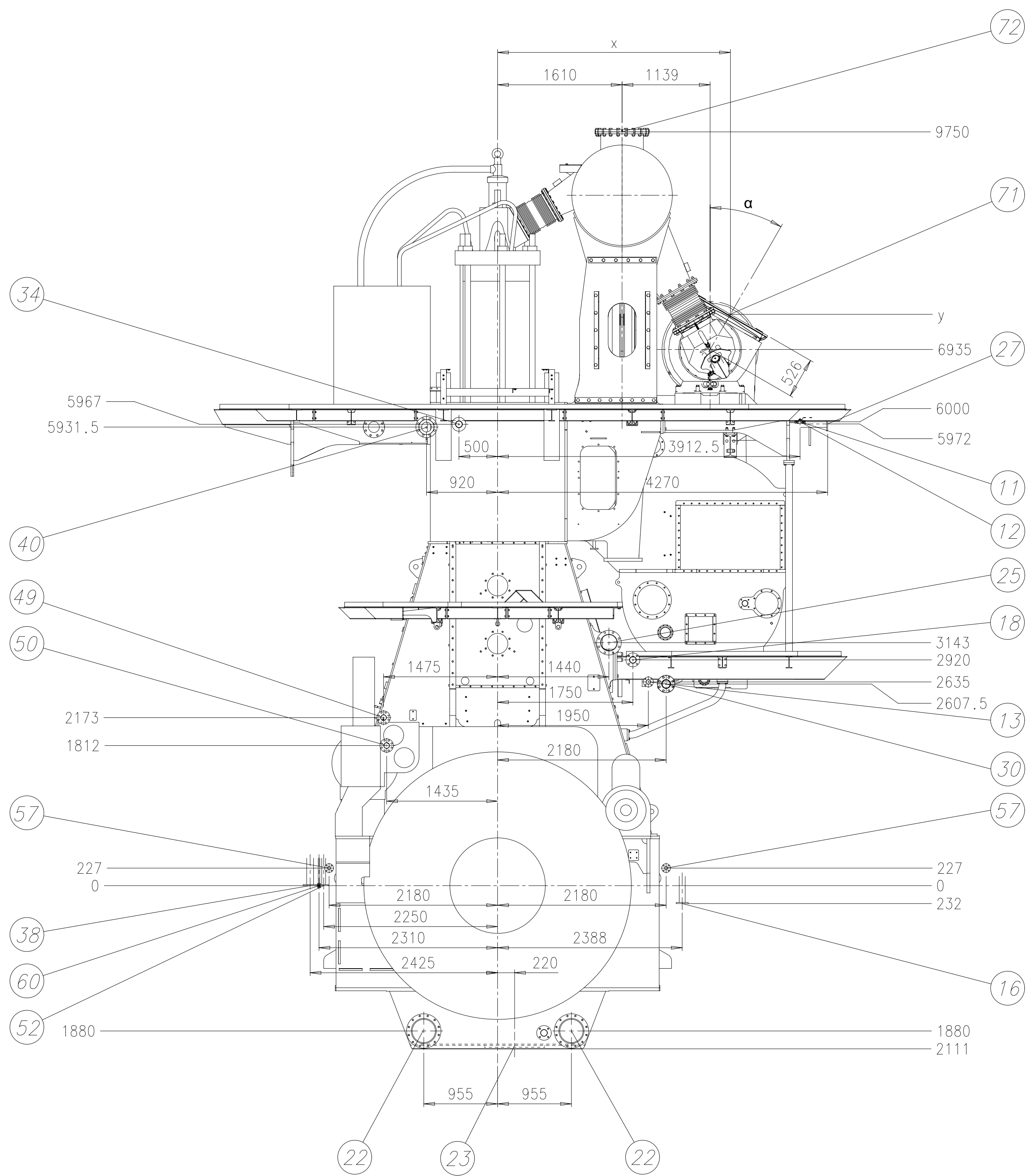
Alle Flanschschniesse am Motor sind mit Gegenflanschen versehen (Blindflansch), ausgenommen der Anschluss fuer den Gasaustritt am Turbolader. Die Blindflansche sind nach dem be treffenden Rohrdurchmesser des Werftanschlusses aufzubohren, THE PIPE CONNECTIONS ON THE ENGINE ARE SUPPLIED WITH MATING FLANGES (BLIND), WITH EXCEPTION OF THE TURBO-CHARGER EXHAUST GAS OUTLET. BLIND FLANGES TO BE DRILLED TO MATCH PIPE DIA SUPPLIED BY THE SHIPYARD.

Die Gewinde-Anschlüsse werden komplett geliefert
CREWED CONNECTIONS ARE SUPPLIED COMPLETE

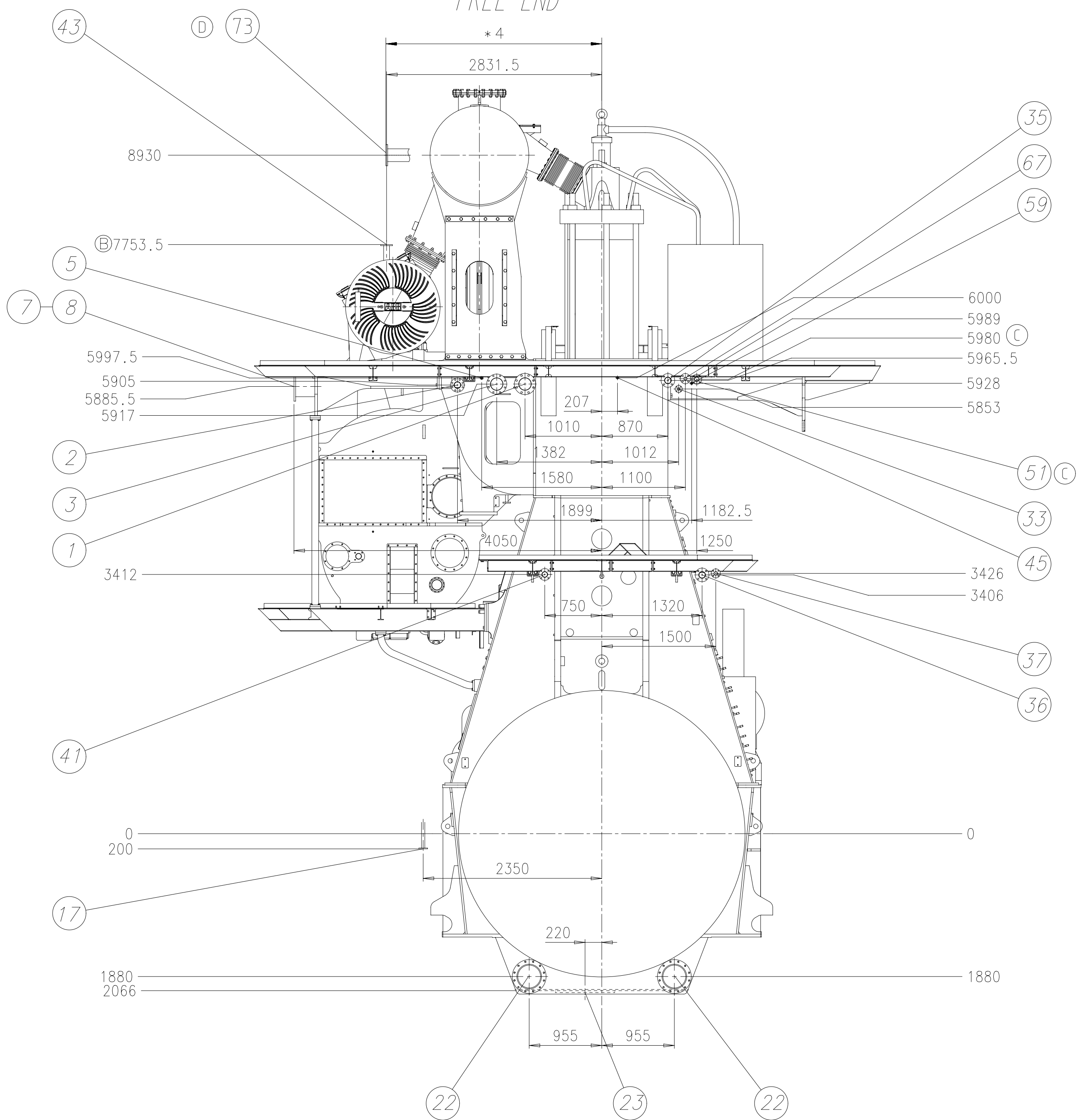
1 x A265-L



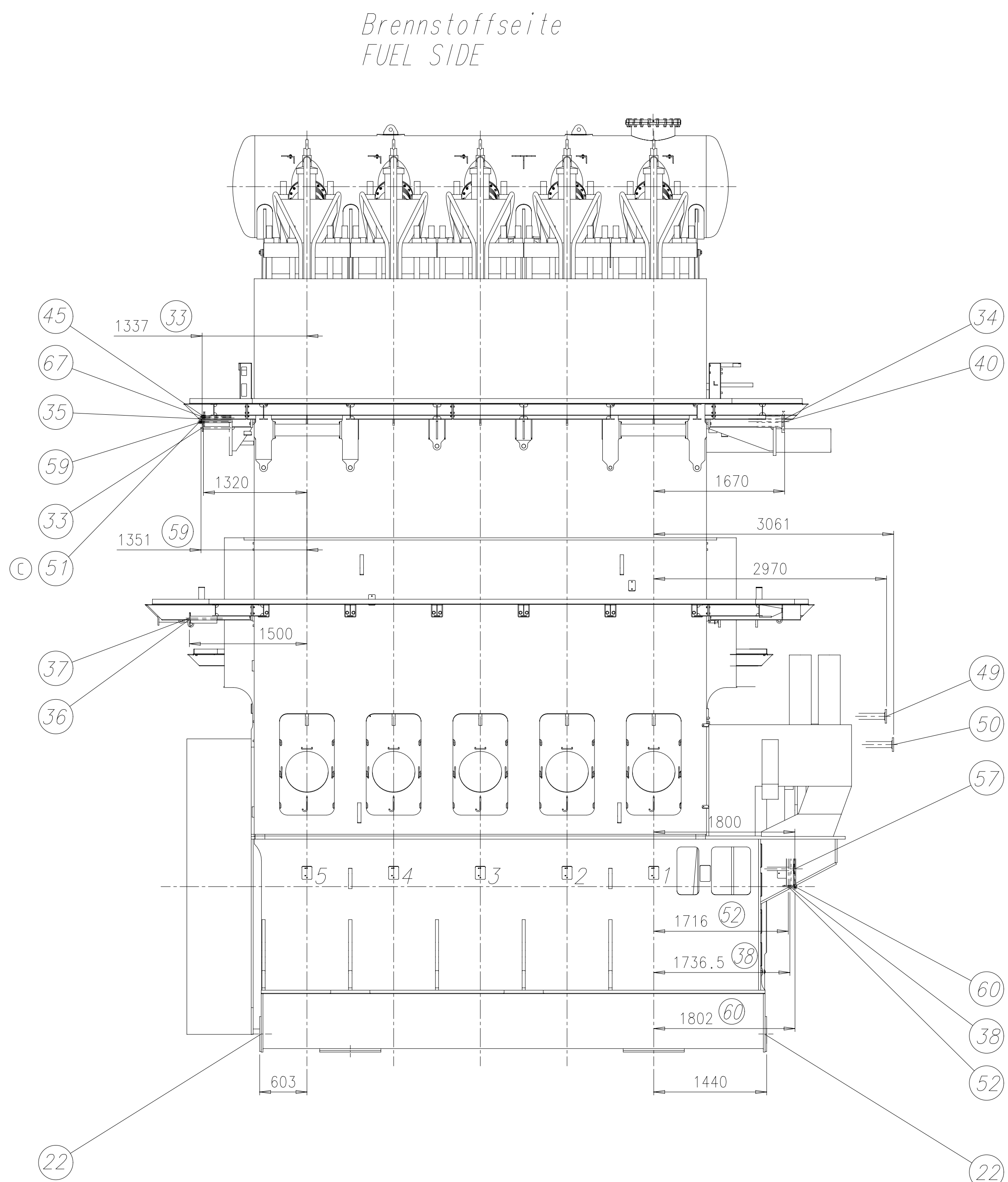
Freies Ende
FREE END



Freies Ende
FREE END



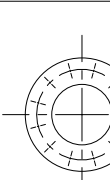
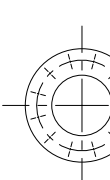
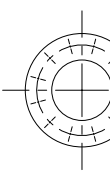
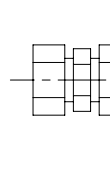
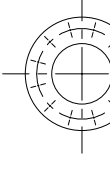
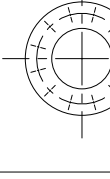
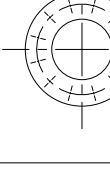
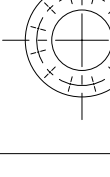
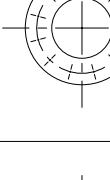
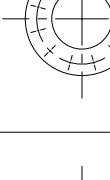
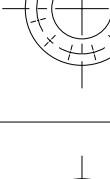
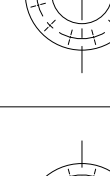
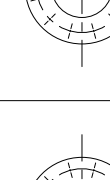
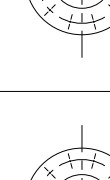
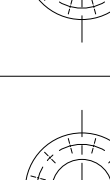
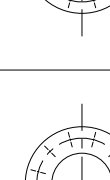
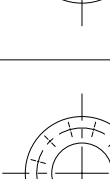
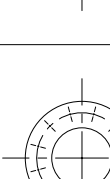
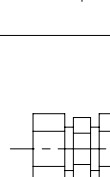
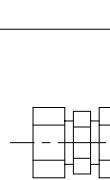

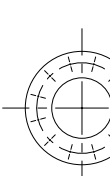
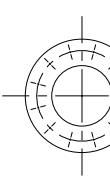
Antriebsseite
DRIVING END



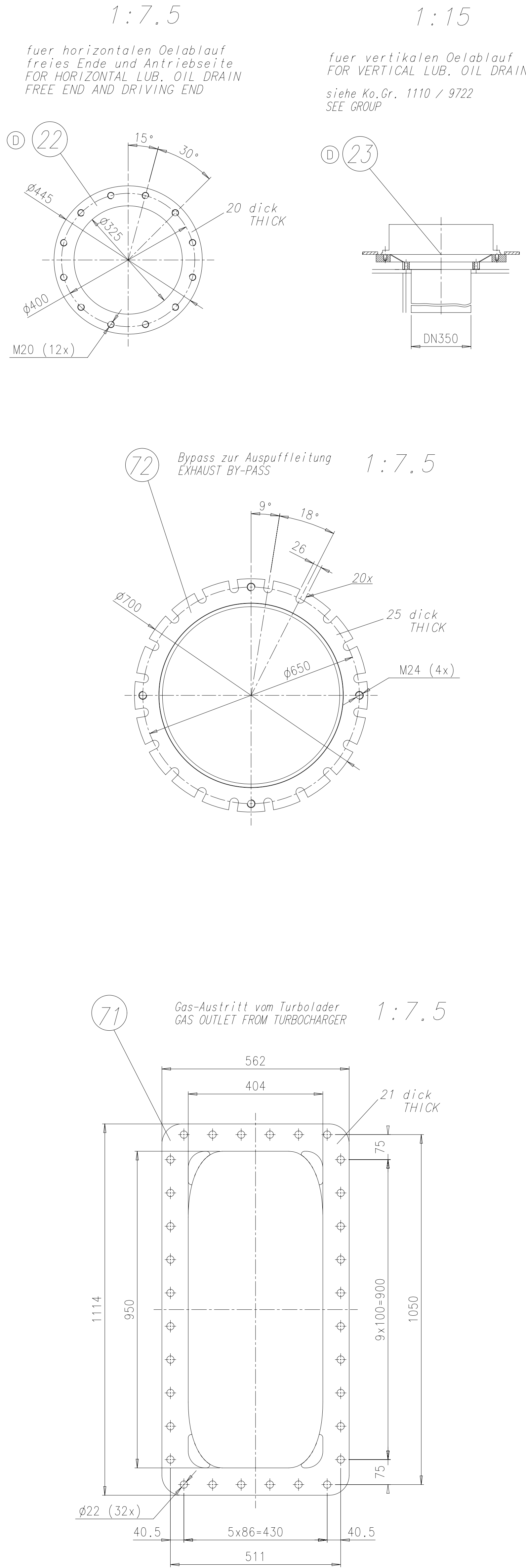
Freies Ende
FREE END

| | | | | | | | | | | | | | |
|------------|---------------|--------------------------|-----------------|-------------------|-------|----------------------------|----------------------|-------------|-------------------------|------------|---------------|------------|------------|
| | Quantity | 0.001 | Net weight | | | | | | | | | | |
| PER ENGINE | 1 | 001 | 107.390.729.500 | FLANGE DIMENSIONS | | | | 107.390.729 | | | | | 0.001 |
| | SEQ NO | | Material ID | Material Name | | Standard or Dimension, Dec | | Drawing | Basic Material Standard | | Weight GRANET | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Fracture size | Free state | | | | | | | | | | | |
| | Mod. | A | EAAD087857 | 13.12.2017 | B | EAAD09053 | 23.12.2019 | C | EAAD094267 | 18.11.2020 | D | EAAD096022 | 27.04.2021 |
| | Number | Drawn | Date | Number | Drawn | Date | Number | Drawn | Date | Number | Drawn | Date | |
| | | | | | | | PIPE CONNECTION PLAN | | | | | | |
| | | | | | | | INTEGRATED ELBA | | | | | | |
| | | | | | | | Rohranschlussplan | | | | | | |
| | | | | | | | Integrierter ELBA | | | | | | |
| | Units | mm kg | NY | | | Basic Material | | | | | | Net Weight | |
| LC | 14.12.2015 | Yogesh Kulkarni | | Scale | | 1:40 | | Size | A0 | Page | 1/2 | Material | G1 |
| | Choc | 18.12.2015 cdu01 Claudio | | Design Group | | Drawing | | D | DAAD073427 | | Rev | | D |
| | Appd | 18.12.2015 bha009 Haag | | 8020 | | | | | | | | | |
| | I5027HB-01 | | | | | | | | | | | | |

| ① | *1) Optionale Ausführung (wenn verlangt) OPTIONAL EXECUTION (IF REQUIRED) | | | Leitungs-Anschlusse PIPE-CONNECTIONS | | | | |
|----|---|---|-----------------|---|------------------------------|----------------------------|------------------------------|---|
| | *2) Standard Ausführung STANDARD EXECUTION Vorschlag: Endgültige Position ist mit Werft zu bestimmen PROPOSAL: FINAL POSITION TO BE DETERMINED IN ACCORDANCE WITH SHIPYARD | | | Ko.Gr. KO. GR. | Freies Ende FREE END | | | |
| | | | | | Antriebsseite DRIVING END | Abgasseite EXHAUST SIDE | Brennstoffseite FUEL SIDE | |
| 1 | | Zylinderkühlwasser Eintritt CYLINDER COOLING WATER INLET | DN 150 PN 10 | 8301 | X | | X | |
| 2 | | Zylinderkühlwasser Eintritt CYLINDER COOLING WATER INLET | DN 80 PN 10 | 8305 | X | | X | |
| 3 | | Zylinderkühlwasser Austritt CYLINDER COOLING WATER OUTLET | DN 150 PN 5 | 8310 | X | | X | |
| 4 | | Zylinderkühlwasser Entlüftung CYLINDER COOLING WATER VENTING | DN PN | 8310 | Nicht benoetigt NOT USED | | | |
| 5 | | Zylinderkühlwasser Entleerung Austritt CYLINDER COOLING WATER DRAIN OUTLET | DN 20 PN 6 | 8313 | X | | X | |
| 6 | | SLK Entleerung Austritt SAC DRAIN OUTLET | DN PN | 8314 | Nicht benoetigt NOT USED | | | |
| 7 | | SLK-NT-Kuehlwasser Eintritt SAC-LT-COOLING WATER INLET | DN 200 PN 5 | 8335 | X | | X | |
| 8 | | SLK-NT-Kuehlwasser Austritt SAC-LT-COOLING WATER OUTLET | DN 200 PN 5 | 8335 | X | | X | |
| 9 | | SLK-HT-Kuehlwasser Eintritt SAC-HT-COOLING WATER INLET | DN PN | 8335 | Nicht benoetigt NOT USED | | | |
| 10 | | SLK-HT-Kuehlwasser Austritt SAC-HT-COOLING WATER OUTLET | DN PN | 8335 | Nicht benoetigt NOT USED | | | |
| 11 | | Wasser fuer Reinigungsanlage TL und SLK Eintritt WATER FOR CLEANING PLANT TC AND SAC INLET | DN 20 PN 16 | 8338 | | X | X | |
| 12 | | Luft fuer Reinigungsanlage TL und SLK Eintritt AIR FOR CLEANING PLANT TC AND SAC INLET | DN 20 PN 16 | 8338 | | X | X | |
| 13 | | Oeliges Wasser vom Receiver Austritt OILY WATER FROM RECEIVER OUTLET | DN 50 PN 5 | 8352 | | X | X | |
| 14 | | Turbolader Schmutzwasser Austritt TURBOCHARGER DIRTY WATER OUTLET | DN PN | 8355 | Nicht benoetigt NOT USED | | | |
| 15 | | Ablauf vom Wasserabscheider Austritt WATER DRAIN FROM WATERSEPARATOR OUTLET | DN PN | 8356 | Nicht benoetigt NOT USED | | | |
| 16 | | SLK Kondenswasser Austritt SAC CONDENSATE WATER OUTLET | DN 65 PN 5 | 8357 | | X | X | |
| 17 | | SLK Waschwasser Austritt SAC WASHING WATER OUTLET | DN 32 PN 5 | 8357 | X | | X | |
| 18 | | SLK Entlüftung SAC VENTING VENTING | DN 80 PN 5 | 8357 | | X | X | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | *1) siehe Detail SEE DETAIL | Oelablauf Grundplatte Horizontal OIL DRAIN BEDPLATE HORIZONTAL | | 1110 | X | X | X | X |
| 23 | *2) siehe Detail SEE DETAIL | Oelablauf Grundplatte Vertikal OIL DRAIN BEDPLATE VERTICAL | | 1110 9722 | X | X | X | |
| 24 | | Zylinder Schmieroel Austritt CYLINDER LUB. OIL OUTLET | DN PN | 8472 | Nicht benoetigt NOT USED | | | |
| 25 | | Hauptschmieroel Eintritt MAIN LUBRICATING OIL INLET | DN 200 PN 5 | 8406 | | X | X | |

| ① *3) Externe Ausführung (wenn verlangt) EXTERNAL EXECUTION (IF REQUIRED) | | | | | Ko.Gr. KO. GR. | Freies Ende FREE END | Antriebsseite DRIVING END | Abgasseite EXHAUST SIDE | Brennstoffseite FUEL SIDE | |
|--|-----------|--|--|----------------|-----------------------------|-----------------------------|------------------------------|----------------------------|------------------------------|--|
| ① | *3) 26 |  Schmieroel Turbolader Eintritt LUBRICATING OIL TURBOCHARGER INLET | DN PN | 8430 | Nicht benoetigt NOT USED | | | | | |
| | 27 |  Schmieroel Turbolader Austritt LUBRICATING OIL TURBOCHARGER OUTLET | DN 80 PN 5 | 8431 | | X | X | | | |
| | 28 |  Spueloel Automatikfilter Austritt FLUSHING OIL AUTOMATIC FILTER OUTLET | DN PN | 8445 | Nicht benoetigt NOT USED | | | | | |
| ① | 29 |  Schmutzoel Ablauf Versorgungseinheit Austritt DIRTY OIL DRAIN SUPPLY UNIT OUTLET | DN PN | 8452 | Nicht benoetigt NOT USED | | | | | |
| | 30 |  Schmieroel Kreuzkopf Eintritt LUBRICATING OIL CROSSHEAD INLET | DN 100 PN 16 | 8455 | | X | X | | | |
| | 31 |  Leckagen vom Motor Austritt DIRTY OIL LEAKAGE FROM ENGINE OUTLET | DN PN | 8463 | Nicht benoetigt NOT USED | | | | | |
| ① | *1) 32 |  Zylinder Schmieroel Eintritt CYLINDER LUB. OIL (HIGH BN) INLET | DN PN | 8475 | Nicht benoetigt NOT USED | | | | | |
| | 33 |  Zylinder Schmieroel Eintritt CYLINDER LUB. OIL (LOW BN) INLET | DN 25 PN 5 | 8475 | X | | | X | | |
| | 34 |  Leckoel Antriebsseite Austritt LEAKAGE OIL DRIVING END OUTLET | DN 80 PN 5 | 8482 | | X | | X | | |
| | 35 |  Leckoel Freies Ende Austritt LEAKAGE OIL FREE END OUTLET | DN 80 PN 5 | 8483 | X | | | X | | |
| | 36 |  Schmutzoel Kolbenunterseite Austritt DIRTY OIL PISTON UNDERSIDE OUTLET | DN 80 PN 5 | 8487 | X | | | X | | |
| | 37 |  Leckoel Stopfbuechse Austritt LEAKAGE OIL GLAND BOX OUTLET | DN 40 PN 5 | 8488 | X | | | X | | |
| | 38 |  Oelablauffg. Versorgungseinheit Austritt OIL PIPE DRAIN SUPPLY UNIT OUTLET | DN 80 PN 5 | 8454 | | X | | X | | |
| | 39 |  Leckageablauf Zylinderblock Austritt LEAKAGE DRAIN CYLINDER BLOCK OUTLET | DN PN | 8462 | Nicht benoetigt NOT USED | | | | | |
| | 40 |  Anlassluft Eintritt STARTING AIR PIPE INLET | DN 125 PN 30 (A) | 8605 | | X | | X | | |
| | 41 |  Entlüftung Kurbelgehäuse Austritt VENTING CRANKCASE OUTLET | DN 65 PN 5 | 8608 | X | | X | | | |
| | 42 |  Entlüftung Waste Gate Austritt VENTING WASTE GATE OUTLET | DN PN | 8609 | Nicht benoetigt NOT USED | | | | | |
| | 43 |  Entlüftung Turbolader Austritt VENTING TURBOCHARGER OUTLET | DN 65 PN 5 | 8610 | X | | X | | | |
| | ① | 44 |  Entlüftung Zylinderkühlwasser Austritt VENTING CYLINDER COOLING WATER OUTLET | DN PN | | Nicht benoetigt NOT USED | | | | |
| | | 45 |  Steuerluftversorgung Eintritt CONTROL AIR SUPPLY INLET | DN 15 PN 12 | 8630 | X | | | X | |
| | | 46 |  Steuerluftversorgung Eintritt CONTROL AIR SUPPLY INLET | DN PN | 4605 | Nicht benoetigt NOT USED | | | | |
| 47 | | | | | | | | | | |
| 48 | | | | | | | | | | |
| 49 | |  Brennstoff Eintritt FUEL INLET | DN 65 PN 16 | 8702 | | X | | X | | |
| 50 | |  Brennstoffruecklauf Austritt FUEL RETURN OUTLET | DN 65 PN 16 | 8704 | | X | | X | | |

| | | | | | | | | | |
|----|----------------------------|--|--|----------------|------|-----------------------------|---|---|---|
| C | 51 | | Leckbrennstoff Rail Unit Austritt FUEL LEAKAGE RAIL UNIT OUTLET | DN 50 PN 5 | 8740 | X | | | X |
| | 52 | | Leckbrennstoff Austritt FUEL LEAKAGE OUTLET | DN 40 PN 5 | 8744 | | X | | X |
| | 53 | | Leckbrennstoff HD-Leitungen Austritt FUEL LEAKAGE HP-PIPES OUTLET | DN PN | 8742 | Nicht benoetigt NOT USED | | | |
| | 54 | | Leckbrennstoff Einspritzpumpe Austritt FUEL LEAKAGE INJECTION PUMP OUTLET | DN PN | 8743 | Nicht benoetigt NOT USED | | | |
| | 55 | | | | | | | | |
| | 56 | | Leckbrennstoff Einspritzeinheit Austritt FUEL LEAKAGE ICU OUTLET | DN PN | 8745 | Nicht benoetigt NOT USED | | | |
| | 57 | | Diverse Leckagen Austritt VARIOUS LEAKAGE OUTLET | DN 32 PN 5 | 8746 | | X | X | X |
| | 58 | | | | | | | | |
| | 59 | | Begleitheizung Brennstoff Eintritt TRACE HEATING FUEL INLET | DN 15 PN 16 | 8810 | X | | | X |
| | 60 | | Begleitheizung Brennstoff Austritt TRACE HEATING FUEL OUTLET | DN 15 PN 16 | 8810 | | X | | X |
| | 61 | | Begleitheizung Brennstoff Eintritt TRACE HEATING FUEL INLET | DN PN | 8812 | Nicht benoetigt NOT USED | | | |
| | 62 | | Begleitheizung Brennstoff Austritt TRACE HEATING FUEL OUTLET | DN PN | 8812 | Nicht benoetigt NOT USED | | | |
| | 63 | | Begleitheizung Brennstoffzirkulation Eintritt TRACE HEATING FUEL CIRCULATION INLET | DN PN | 8820 | Nicht benoetigt NOT USED | | | |
| | 64 | | Begleitheizung Brennstoffzirkulation Austritt TRACE HEATING FUEL CIRCULATION OUTLET | DN PN | 8823 | Nicht benoetigt NOT USED | | | |
| | 65 | | | | | | | | |
| | 66 | | | | | | | | |
| | 67 | | Feuerloesch Anlage Zylinderblock Eintritt FIRE EXTINGUISHING PLANT CYLINDER BLOCK INLET | DN 32 PN 10 | 8830 | X | | | X |
| | 68 | | Feuerloesch Anlage Rail Unit Eintritt FIRE EXTINGUISHING PLANT RAIL UNIT INLET | DN PN | 8831 | Nicht benoetigt NOT USED | | | |
| | 69 | | Feuerloesch Anlage Rail Unit Eintritt FIRE EXTINGUISHING PLANT RAIL UNIT INLET | DN PN | 8832 | Nicht benoetigt NOT USED | | | |
| | 70 | | | | | | | | |
| 71 | siehe Detail SEE DETAIL | Abgas Turbolader Austritt EXHAUST GAS TURBOCHARGER OUTLET | | 6506 6509 | | X | X | | |
| 72 | siehe Detail SEE DETAIL | Abgas Bypass Austritt EXHAUST GAS BY-PASS OUTLET | | 8103 8108 | | X | X | | |
| D | *1)*2) | | Abgas Abblaseventil Austritt EXHAUST WASTE GATE OUTLET | DN PN | 8135 | IF USED, SEE DAAD116127 | | | |
| | 74 | | | | | | | | |
| | 75 | | | | | | | | |



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ISO

| PN | DN | OUT.DIA. | THICK | DIM. FOR SCREWS | | | | PN | DN | OUT.DIA. | THICK | DIM. FOR SCREWS | | | | |
|--------|-----|----------|-------|-----------------|----|-----|----|--------|-----|----------|-------|-----------------|----|-----|----|--|
| 6 bar | 25 | 100 | 14 | 75 | 4 | M10 | 11 | 16 bar | 25 | 115 | 16 | 85 | 4 | M12 | 14 | |
| | 32 | 120 | 16 | 90 | 4 | M12 | 14 | | 32 | 140 | 18 | 100 | 4 | M16 | 18 | |
| | 40 | 130 | 16 | 100 | 4 | M12 | 14 | | 40 | 150 | 18 | 110 | 4 | M16 | 18 | |
| | 50 | 140 | 16 | 110 | 4 | M12 | 14 | | 50 | 165 | 19 | 125 | 4 | M16 | 18 | |
| | 65 | 160 | 16 | 130 | 4 | M12 | 14 | | 65 | 185 | 20 | 145 | 8 | M16 | 18 | |
| | 80 | 190 | 18 | 150 | 4 | M16 | 18 | | 80 | 200 | 20 | 160 | 8 | M16 | 18 | |
| | 100 | 210 | 18 | 170 | 4 | M16 | 18 | | 100 | 220 | 22 | 180 | 8 | M16 | 18 | |
| | 125 | 240 | 20 | 200 | 8 | M16 | 18 | | 125 | 250 | 22 | 210 | 8 | M16 | 18 | |
| | 150 | 265 | 20 | 225 | 8 | M16 | 18 | | 150 | 285 | 24 | 240 | 8 | M20 | 22 | |
| | 200 | 320 | 22 | 280 | 8 | M16 | 18 | | 200 | 340 | 26 | 295 | 12 | M20 | 22 | |
| | 250 | 375 | 24 | 335 | 12 | M16 | 18 | | 250 | 405 | 32 | 355 | 12 | M24 | 26 | |
| | 300 | 440 | 24 | 395 | 12 | M20 | 22 | | 300 | 460 | 32 | 410 | 12 | M24 | 26 | |
| | 350 | 490 | 26 | 445 | 12 | M20 | 22 | | 350 | 520 | 35 | 470 | 16 | M24 | 26 | |
| | 400 | 540 | 28 | 495 | 16 | M20 | 22 | | 400 | 580 | 38 | 525 | 16 | M27 | 30 | |
| | 450 | 595 | 30 | 550 | 16 | M20 | 22 | | 450 | 640 | 42 | 585 | 20 | M27 | 30 | |
| | 500 | 645 | 30 | 600 | 20 | M20 | 22 | | 500 | 715 | 46 | 650 | 20 | M30 | 33 | |
| PN | DN | OUT.DIA. | THICK | DIM. FOR SCREWS | | | | PN | DN | OUT.DIA. | THICK | DIM. FOR SCREWS | | | | |
| 10 bar | 25 | 115 | 16 | 85 | 4 | M12 | 14 | 40 bar | 25 | 115 | 16 | 85 | 4 | M12 | 14 | |
| | 32 | 140 | 18 | 100 | 4 | M16 | 18 | | 32 | 140 | 18 | 100 | 4 | M16 | 18 | |
| | 40 | 150 | 18 | 110 | 4 | M16 | 18 | | 40 | 150 | 18 | 110 | 4 | M16 | 18 | |
| | 50 | 165 | 19 | 125 | 4 | M16 | 18 | | 50 | 165 | 20 | 125 | 4 | M16 | 18 | |
| | 65 | 185 | 20 | 145 | 8 | M16 | 18 | | 65 | 185 | 22 | 145 | 8 | M16 | 18 | |
| | 80 | 200 | 20 | 160 | 8 | M16 | 18 | | 80 | 200 | 24 | 160 | 8 | M16 | 18 | |
| | 100 | 220 | 22 | 180 | 8 | M16 | 18 | | 100 | 235 | 26 | 190 | 8 | M20 | 22 | |
| | 125 | 250 | 22 | 210 | 8 | M16 | 18 | | 125 | 270 | 28 | 220 | 8 | M24 | 26 | |
| | 150 | 285 | 24 | 240 | 8 | M20 | 22 | | 150 | 300 | 30 | 250 | 8 | M24 | 26 | |
| | 200 | 340 | 24 | 295 | 8 | M20 | 22 | | 200 | 375 | 36 | 320 | 12 | M27 | 30 | |
| | 250 | 395 | 26 | 350 | 12 | M20 | 22 | | 250 | 450 | 44 | 385 | 12 | M30 | 33 | |
| | 300 | 445 | 26 | 400 | 12 | M20 | 22 | | 300 | 515 | 48 | 450 | 16 | M30 | 33 | |
| | 350 | 505 | 28 | 460 | 16 | M20 | 22 | | 350 | 580 | 54 | 510 | 16 | M33 | 36 | |
| | 400 | 565 | 32 | 515 | 16 | M24 | 26 | | 400 | 660 | 60 | 585 | 16 | M36 | 39 | |
| | 450 | 615 | 38 | 565 | 20 | M24 | 26 | | | | | | | | | |
| | 500 | 670 | 38 | 620 | 20 | M24 | 26 | | | | | | | | | |

JIS

| PN | DN | OUT.DIA. | THICK | DIM. FOR SCREWS | | | |
|--------|-----|----------|-------|-----------------|----|-----|----|
| 5 bar | 25 | 95 | 10 | 75 | 4 | M10 | 12 |
| | 32 | 115 | 12 | 90 | 4 | M12 | 15 |
| | 40 | 120 | 12 | 95 | 4 | M12 | 15 |
| | 50 | 130 | 14 | 105 | 4 | M12 | 15 |
| | 65 | 155 | 14 | 130 | 4 | M12 | 15 |
| | 80 | 180 | 14 | 145 | 4 | M16 | 19 |
| | 100 | 200 | 16 | 165 | 8 | M16 | 19 |
| | 125 | 235 | 16 | 200 | 8 | M16 | 19 |
| | 150 | 265 | 18 | 230 | 8 | M16 | 19 |
| | 200 | 320 | 20 | 280 | 8 | M20 | 23 |
| | 250 | 385 | 22 | 345 | 12 | M20 | 23 |
| | 300 | 430 | 22 | 390 | 12 | M20 | 23 |
| | 350 | 480 | 24 | 435 | 12 | M22 | 25 |
| | 400 | 540 | 24 | 495 | 16 | M22 | 25 |
| | 450 | 605 | 24 | 555 | 16 | M22 | 25 |
| | 500 | 655 | 24 | 605 | 20 | M22 | 25 |
| PN | DN | OUT.DIA. | THICK | DIM. FOR SCREWS | | | |
| 10 bar | 25 | 125 | 14 | 90 | 4 | M16 | 19 |
| | 32 | 135 | 16 | 100 | 4 | M16 | 19 |
| | 40 | 140 | 16 | 105 | 4 | M16 | 19 |
| | 50 | 155 | 16 | 120 | 4 | M16 | 19 |
| | 65 | 175 | 18 | 140 | 4 | M16 | 19 |
| | 80 | 185 | 18 | 150 | 8 | M16 | 19 |
| | 100 | 210 | 18 | 175 | 8 | M16 | 19 |
| | 125 | 250 | 20 | 210 | 8 | M20 | 23 |
| | 150 | 280 | 22 | 240 | 8 | M20 | 23 |
| | 200 | 330 | 22 | 290 | 12 | M20 | 23 |
| | 250 | 400 | 24 | 355 | 12 | M22 | 25 |
| | 300 | 445 | 24 | 400 | 16 | M22 | 25 |
| | 350 | 490 | 26 | 445 | 16 | M22 | 25 |
| | 400 | 560 | 28 | 510 | 16 | M24 | 27 |
| | 450 | 620 | 30 | 565 | 20 | M24 | 27 |
| | 500 | 675 | 30 | 620 | 20 | M24 | 27 |

| PN | DN | OUT.DIA. | THICK | DIM. FOR SCREWS | | | |
|--------|-----|----------|-------|-----------------|----|-----|----|
| 16 bar | 25 | 125 | 14 | 90 | 4 | M16 | 19 |
| | 32 | 135 | 16 | 100 | 4 | M16 | 19 |
| | 40 | 140 | 16 | 105 | 4 | M16 | 19 |
| | 50 | 155 | 16 | 120 | 8 | M16 | 19 |
| | 65 | 175 | 18 | 140 | 8 | M16 | 19 |
| | 80 | 200 | 20 | 160 | 8 | M20 | 23 |
| | 100 | 225 | 22 | 185 | 8 | M20 | 23 |
| | 125 | 270 | 22 | 225 | 8 | M22 | 25 |
| | 150 | 305 | 24 | 260 | 12 | M22 | 25 |
| | 200 | 350 | 26 | 305 | 12 | M22 | 25 |
| | 250 | 430 | 28 | 380 | 12 | M24 | 27 |
| | 300 | 480 | 30 | 430 | 16 | M24 | 27 |
| | 350 | 540 | 34 | 480 | 16 | M30 | 33 |
| | 400 | 605 | 38 | 540 | 16 | M30 | 33 |
| | 450 | 675 | 40 | 605 | 20 | M30 | 33 |
| | 500 | 730 | 42 | 660 | 20 | M30 | 33 |
| PN | DN | OUT.DIA. | THICK | DIM. FOR SCREWS | | | |
| 30 bar | 25 | 130 | 20 | 95 | 4 | M16 | 19 |
| | 32 | 140 | 22 | 105 | 4 | M16 | 19 |
| | 40 | 160 | 22 | 120 | 4 | M20 | 23 |
| | 50 | 165 | 22 | 130 | 8 | M16 | 19 |
| | 65 | 200 | 26 | 160 | 8 | M20 | 23 |
| | 80 | 210 | 28 | 170 | 8 | M20 | 23 |
| | 100 | 240 | 32 | 195 | 8 | M22 | 25 |
| | 125 | 275 | 36 | 230 | 8 | M22 | 25 |
| | 150 | 325 | 38 | 275 | 12 | M24 | 27 |
| | 200 | 370 | 42 | 320 | 12 | M24 | 27 |
| | 250 | 450 | 48 | 390 | 12 | M30 | 33 |
| | 300 | 515 | 52 | 450 | 16 | M30 | 33 |
| | 350 | 560 | 54 | 495 | 16 | M30 | 33 |
| | 400 | 630 | 60 | 560 | 16 | M36 | 39 |

| | | | | | | | | | | | | | | | | |
|---|------------|------------------------|------------|--|--------------|----------------------------------|---------------------------------------|--------|------------|----|--------|------------|---|---|---|-----------------|
| Substitute for: | | | | | | | | | | PC | Q-Code | X | X | X | X | X |
| Modif | A | EAAD084180 | 04.10.2012 | | | | | | | | | | | | | |
| | | Number | Drawn Date | | Number | Drawn Date | | Number | Drawn Date | | Number | Drawn Date | | | | |
|  | | Product W-2S | | | | Flange Dimensions | | | | | | | | | | |
| Made | 19.09.2007 | N. Brand | | | Main Drw. | Page 1 / 1 | Material ID 107.390.729.500 | | | | | | | | | |
| Chkd | 27.09.2007 | M. Frei | | | Design Group | Drawing ID 107.390.729 | | | | | | | | | | Rev A |
| Appd | 27.09.2007 | B. Haag | | | 8020 | | | | | | | | | | | |

WinGD-5X62_Pipe-Connection-Plan

TRACK CHANGES

| DATE | SUBJECT | DESCRIPTION |
|------------|--|---|
| 2018-02-26 | DRAWING SET | First web upload |
| 2020-09-01 | DAAD051564 DAAD071475 DAAD073427 | Revised Pipe connection plans for Turbocharger types 1xA265_ISO, 1xA265_JIS and 1xA265-L_JIS_iELBA have been updated. |
| 2021-05-19 | PAAD189697 PAAD164587 PAAD207146 PAAD214321 | Revised Pipe connection plans for Turbocharger types 1xA175_ISO, 1xA265_ISO, 1xA265_JIS and 1xA265-L_JIS_iELBA have been updated. |

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