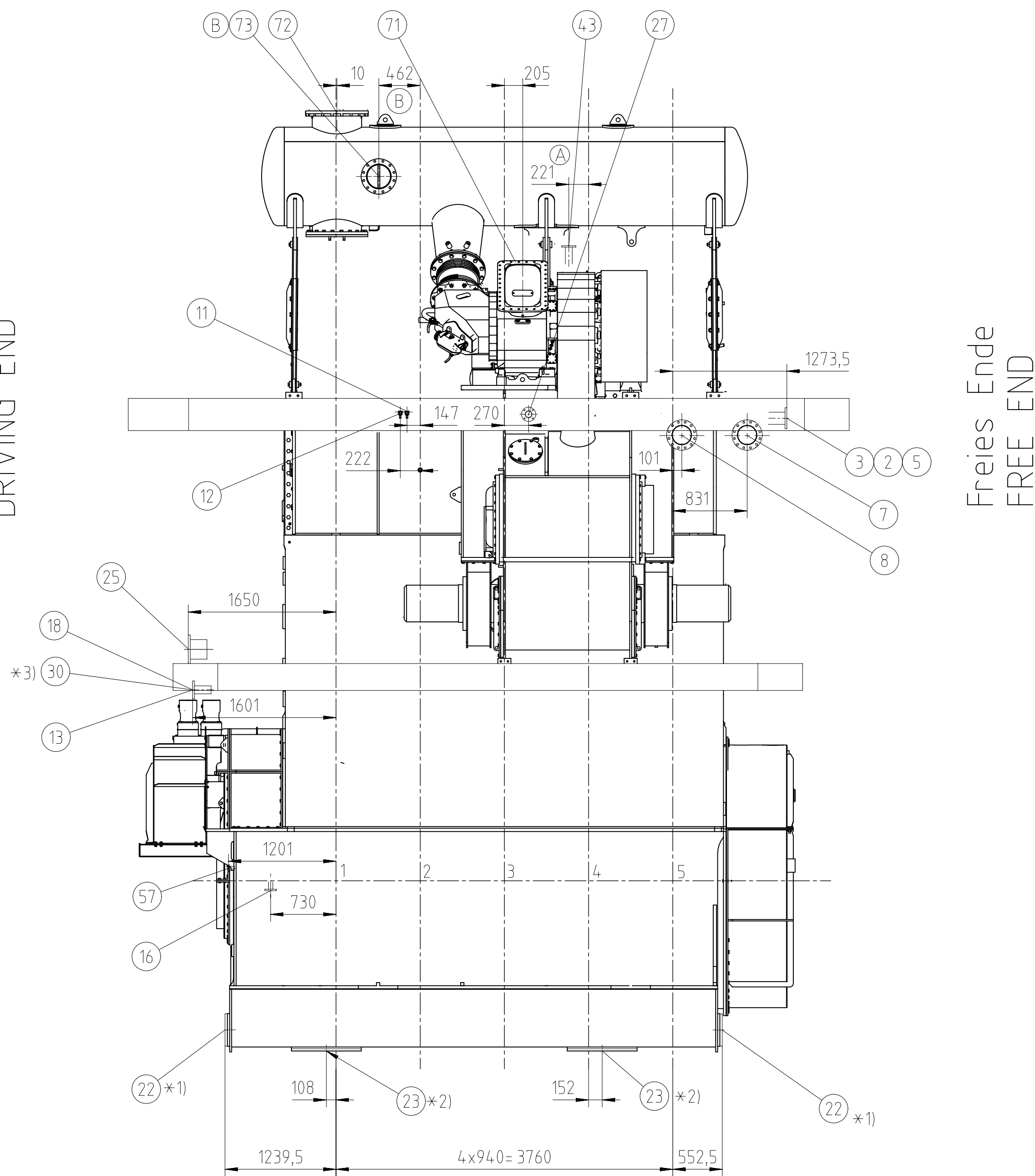


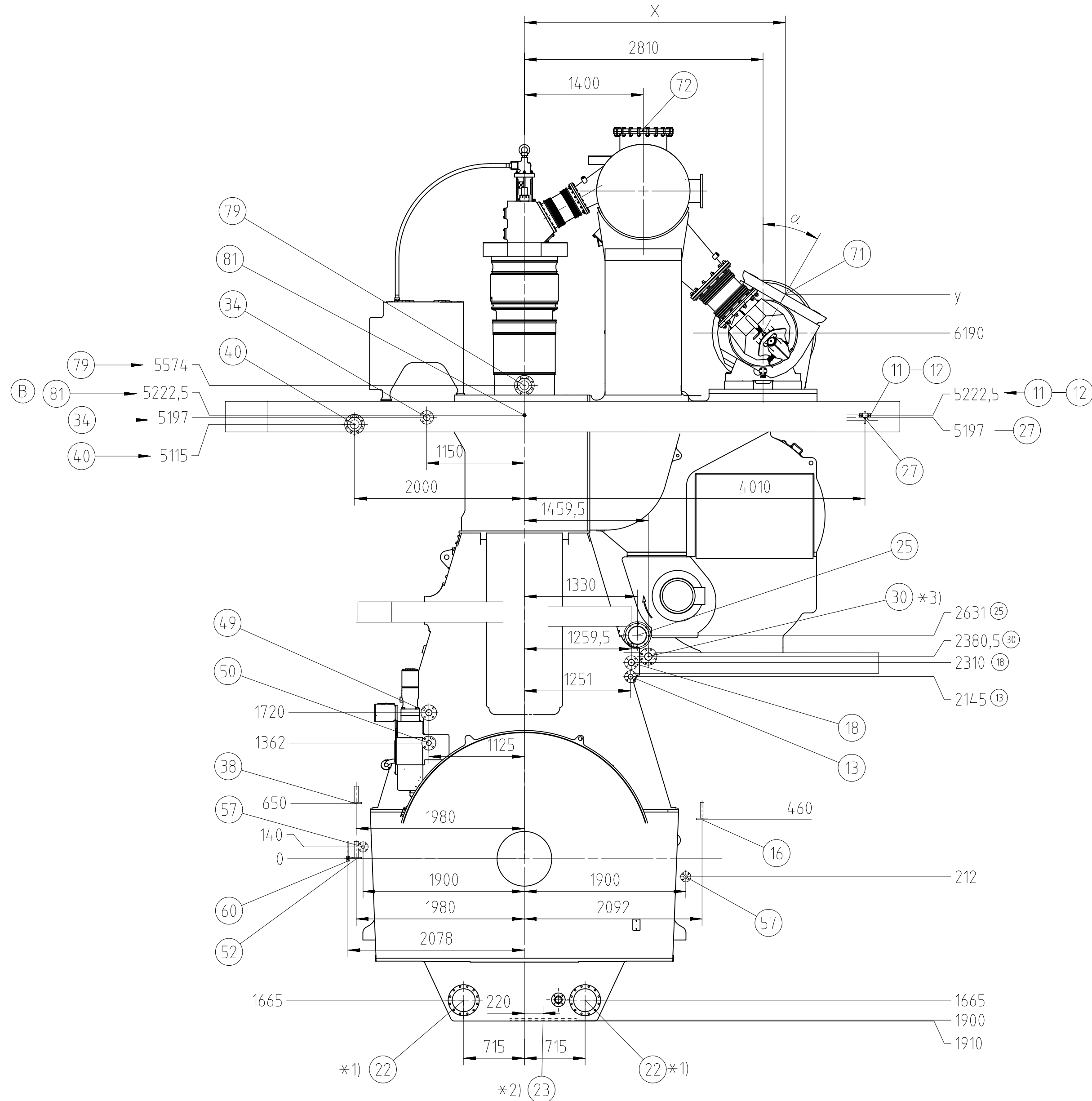
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Abgasseite
EXHAUST SIDE

Antriebsseite
DRIVING END



Antriebsseite
DRIVING END



Gasaustritt-Stellung GAS OUTLET POSITION α	x	y
15°	2946	6698
30°	3073	6645
45°	3182	6562

- *1) Optionale Ausführung (wenn verlangt)
OPTIONAL EXECUTION (IF REQUIRED)
- *2) Standard Ausführung
STANDARD EXECUTION
- Vorschlag: Endgueltige Position
ist mit Werft zu bestimmen
PROPOSAL: FINAL POSITION TO BE DETERMINED
IN ACCORDANCE WITH SHIPYARD
- *3) ONLY FOR ENGINE EQUIPPER WITH HIGH PRESSURE
CROSSHEAD BEARING LUBRICATION
- *4) ONLY FOR INTEGRATED CYL. LUBRICATION
AUTOMATIC TRANSFER (iCAT)

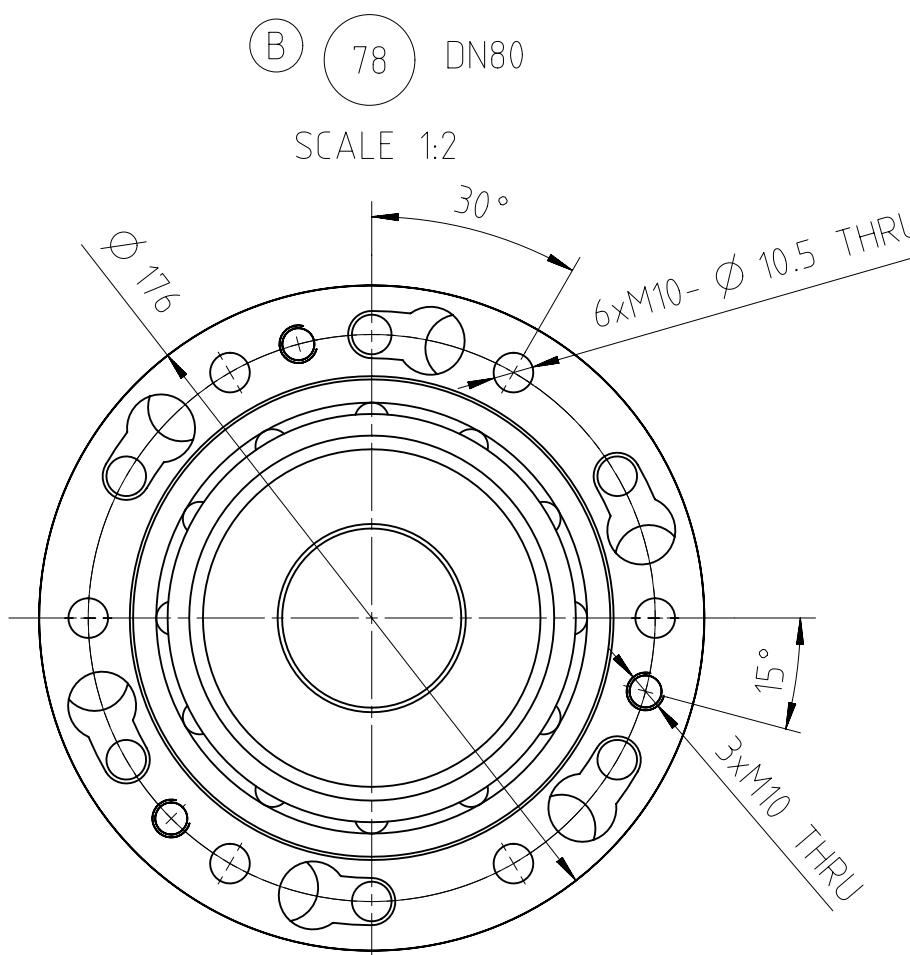
Alle Flanschanschlüsse am Motor sind mit Gegenflanschen
versehen (Blindflansch), ausgenommen der Anschluss für
den Gasaustritt am Turbolader. Die Blindflansche sind nach
den betreffenden Rohrdurchmesser des Werftflanschlusses
aufzubohren.
THE PIPE CONNECTIONS ON THE ENGINE ARE SUPPLIED
WITH MATING FLANGES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

DIMENSIONS FOR REFERENCE ONLY. TECHNICAL MODIFICATIONS
RESERVED. LATER ADAPTATIONS ARE POSSIBLE BASED ON
PROJECT REQUIREMENTS AND RELATED DETAIL DESIGN.
THIS PIPE CONNECTION PLAN MAY
NOT BE USED FOR FINAL DESIGN!

Die Gewindeanschlüsse werden komplett geliefert
SCREWED CONNECTIONS ARE SUPPLIED COMPLETE

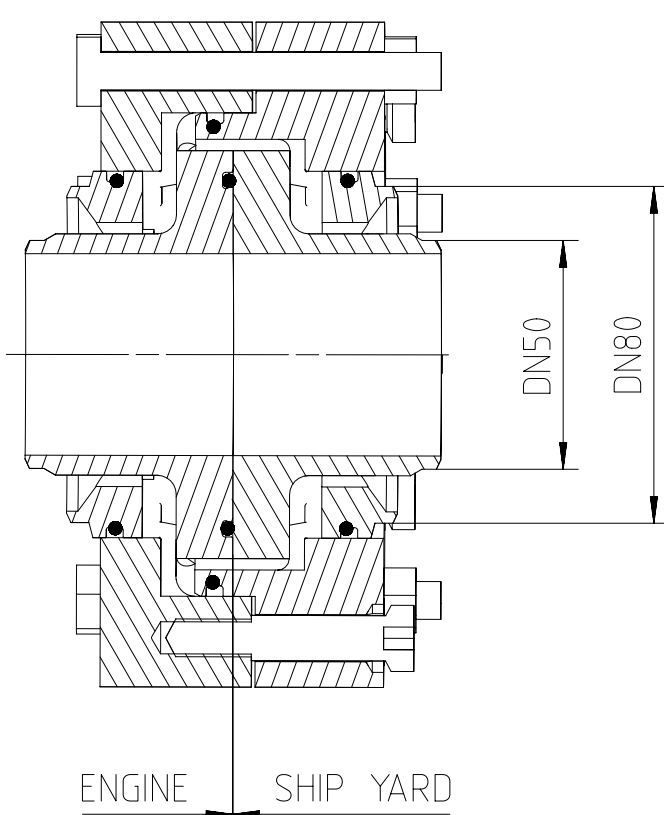
1 x A265-L

Internes TL Ölsystem
INTERNAL TC OIL SYSTEM



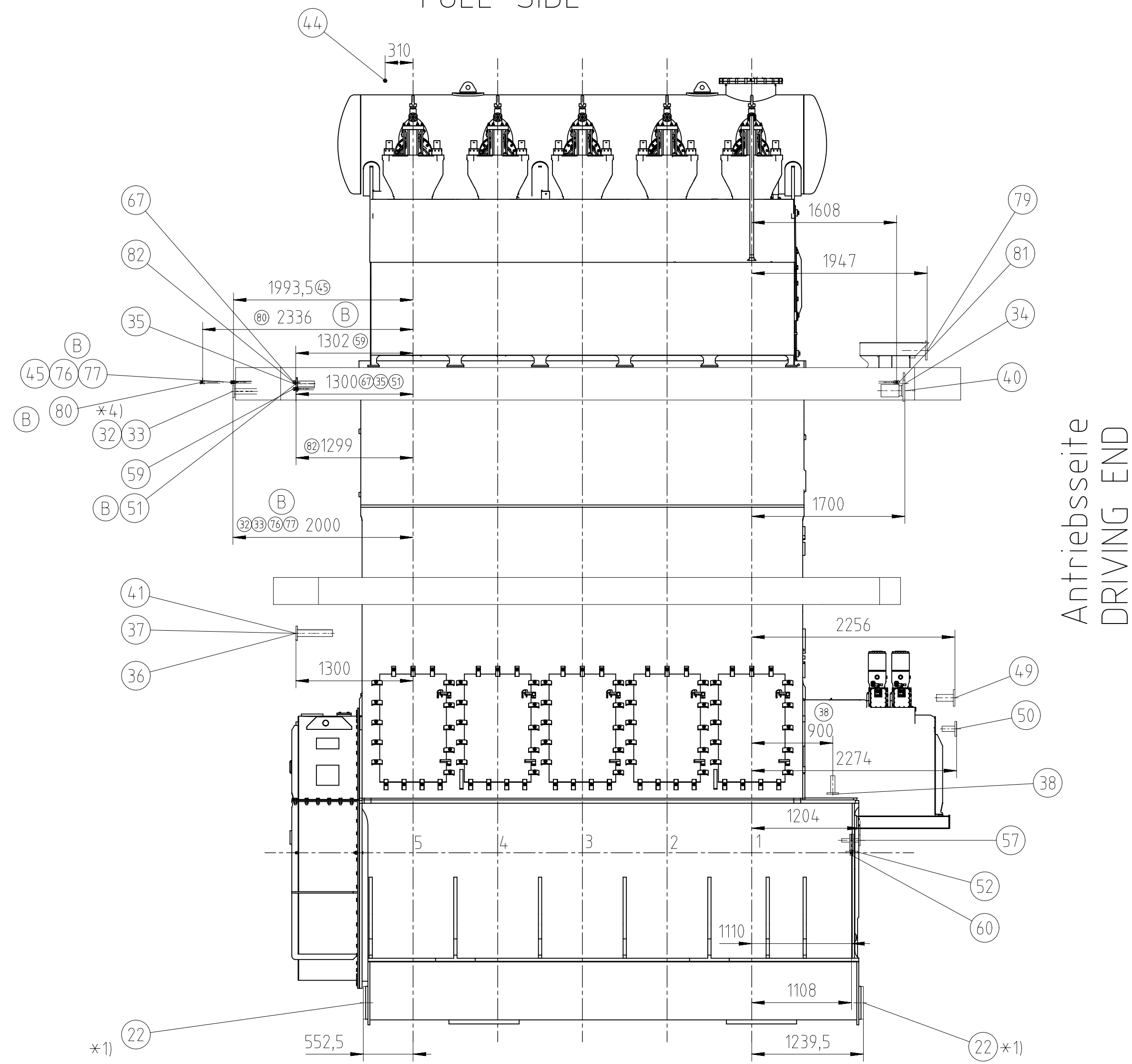
Anschlussprinzip siehe Stueckliste Pos. 002
CONNECTION PRINCIPLE SEE PARTLIST

Side section view
with counterflange

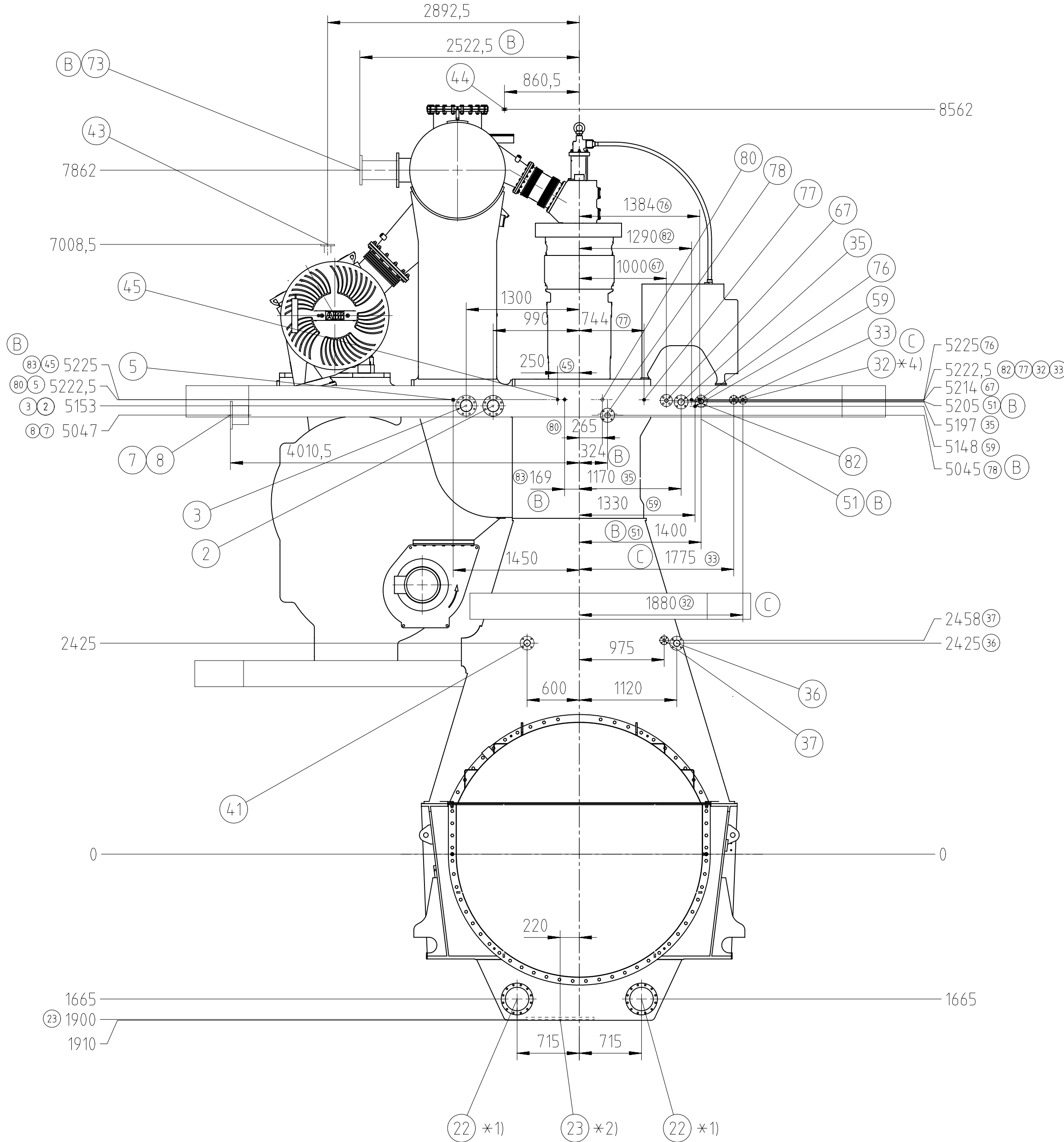


Brennstoffseite
FUEL SIDE

Freies Ende
FREE END



Freies Ende
FREE END



Quantity	SEQ	Material ID	Material Name	Dimension, Doc	Standard or Drawing	Basic Material Material Standard	Weight or NET
1	002	PAAD147122	FLANGE DIMENSIONS	DAAD045822			0,01
1	001	107.390.729.500	FLANGE DIMENSIONS	107.390.729			0,001

Product	Product	Product	Product	Product	Product
Number	Number	Number	Number	Number	Number

Product	Product	Product	Product	Product	Product
Number	Number	Number	Number	Number	Number

Product	Product	Product	Product	Product	Product
Number	Number	Number	Number	Number	Number

Product	Product	Product	Product	Product	Product
Number	Number	Number	Number	Number	Number

Product	Product	Product	Product	Product	Product
Number	Number	Number	Number	Number	Number

Product	Product	Product	Product	Product	Product
Number	Number	Number	Number	Number	Number

Product	Product	Product	Product	Product	Product
Number	Number	Number	Number	Number	Number

SURFACE PROTECTION SEE GROUP 0344		Made	14.02.2019	Pravin	Scale	1:1,0	Size	A0	Page	1/2	Material	D	
TOLERANCING PRINCIPLE ISO8015		Chkd	25.02.2019	nba032 Baumgartner	Design Group	8020	Drawing	DAAD112321				Rev.	C
GENERAL TOLERANCES ACCORDING TO ISO2768-M		Appd	13.03.2019	mda006 Dasic									

**By-pass zur Auspuffleitung
EXHAUST BY-PASS**

SCALE 2:15

72

9° 18° 26° 20x 25 dick THICK M24 (4x) Ø 700 Ø 650

für vertikalen Ölablauf
FOR VERTICAL LUB. OIL DRAIN

1:7.5

23

*2)

25° 15° 20 dick THICK Ø 600 Ø 670 Ø 780 24xM20

1:10

Gas-Austritt vom Turbolader
GAS OUTLET FROM TURBOCHARGER

71

0 43 129 215 255.5 32xØ22 525 450 350 250 150 50 0 21 dick THICK 1114 DN200

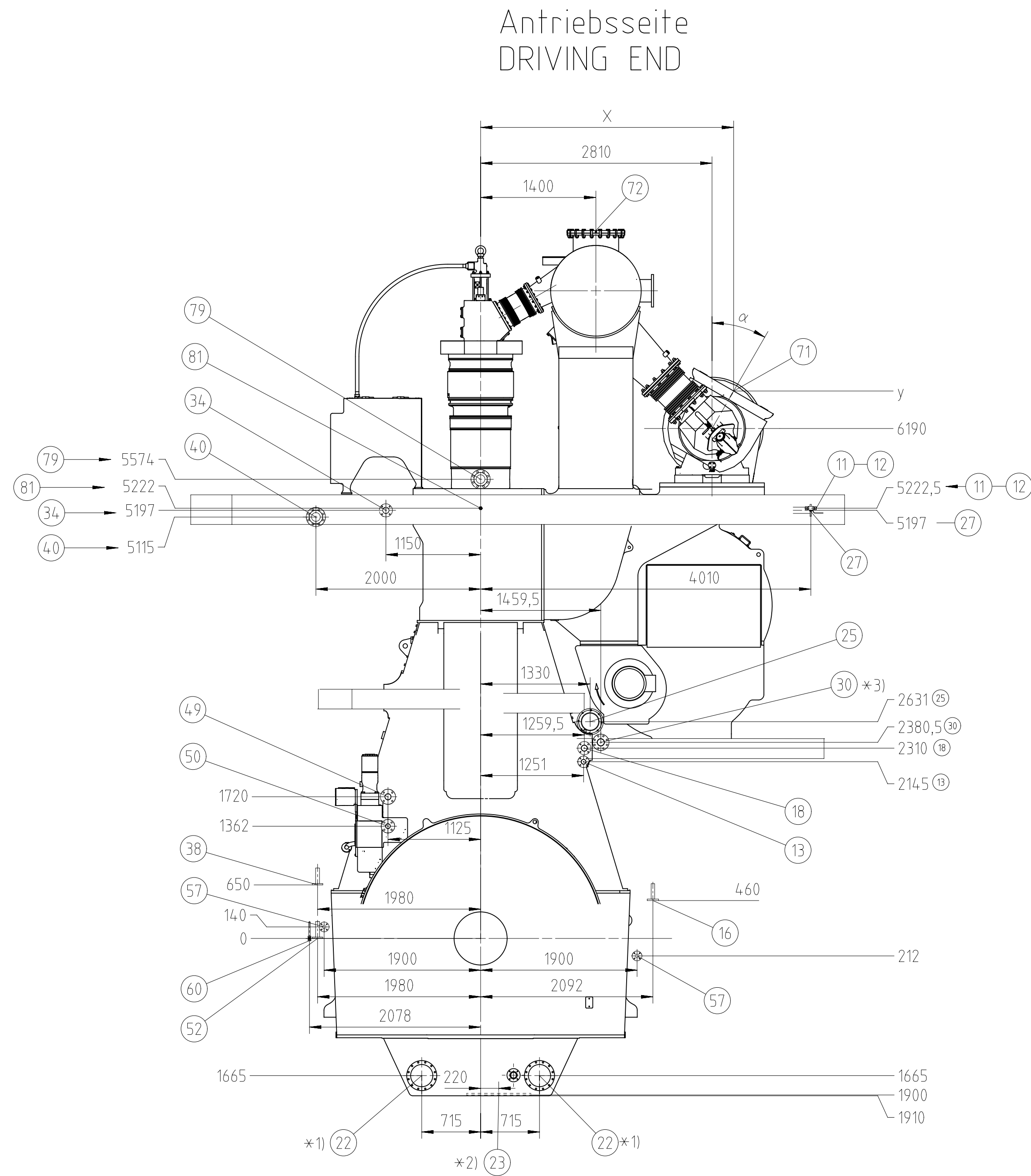
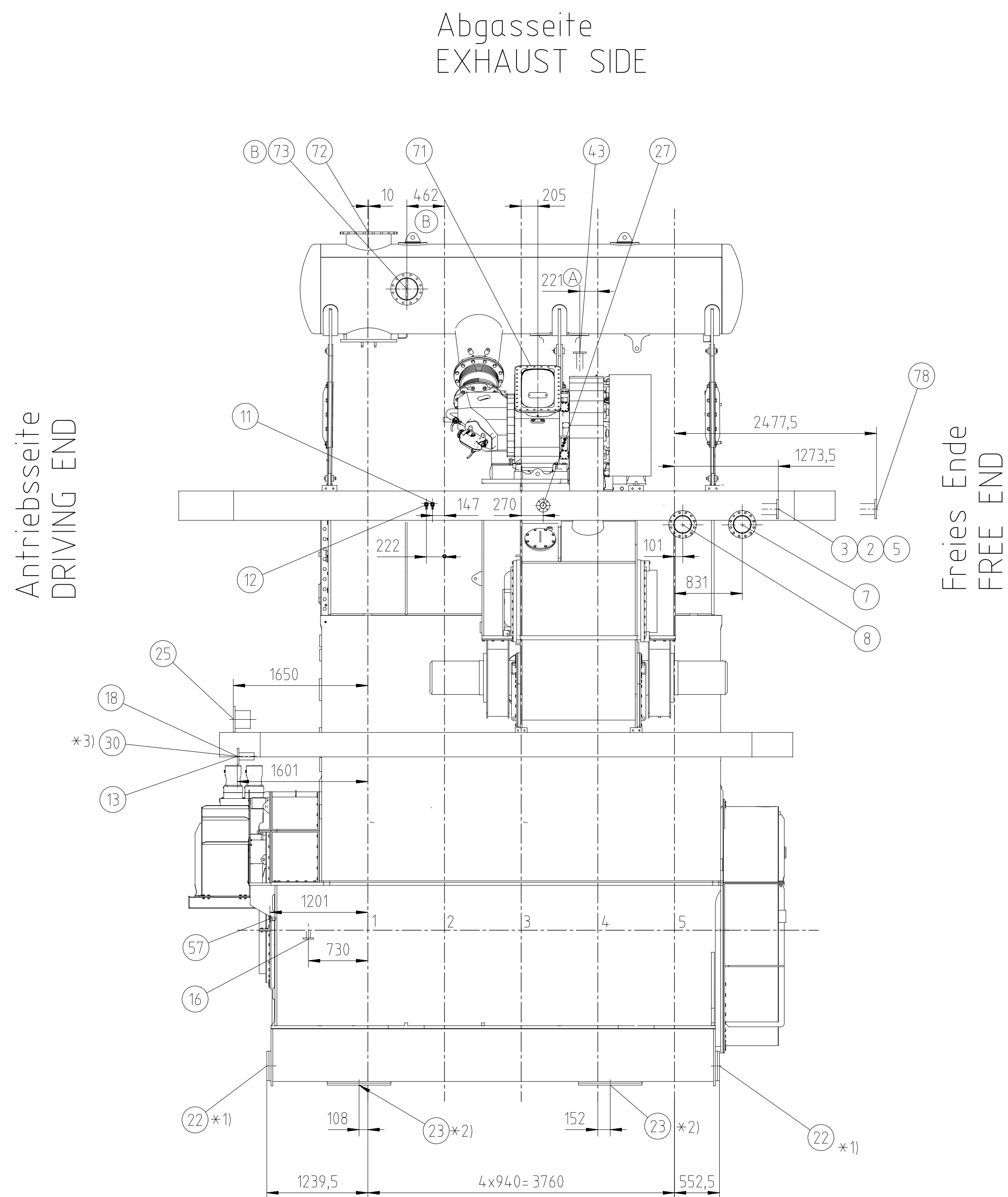
für horizontalen Ölablauf
FOR HORIZONTAL LUB. OIL DRAIN

siehe Ko.Gr. 1110 / 9722
SEE GROUP

1:10

22 *

Download
"DXF file"



Gasaustritt-Stellung GAS OUTLET POSITION α	x	y
15°	2946	6698
30°	3073	6645
45°	3182	6562

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

*2) Standard Ausführung
STANDARD EXECUTION

Vorschlag: Endgueltige Position
ist mit Werfft zu bestimmen
PROPOSAL: FINAL POSITION TO BE DETERMINED
IN ACCORDANCE WITH SHIPYARD

*3) ONLY FOR ENGINE EQUIPPER WITH HIGH PRESSURE CROSSHEAD BEARING LUBRICATION

*4) ONLY FOR INTEGRATED CYL. LUBRICATION
AUTOMATIC TRANSFER (iCAT)

Alle Flanschanschlüsse am Motor sind mit Gegenflanschen versehen (Blindflansch), ausgenommen der Anschluss für den Gasaustritt am Turbolader. Die Blindflansche sind nach dem betreffenden Bohrdurchmesser 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.

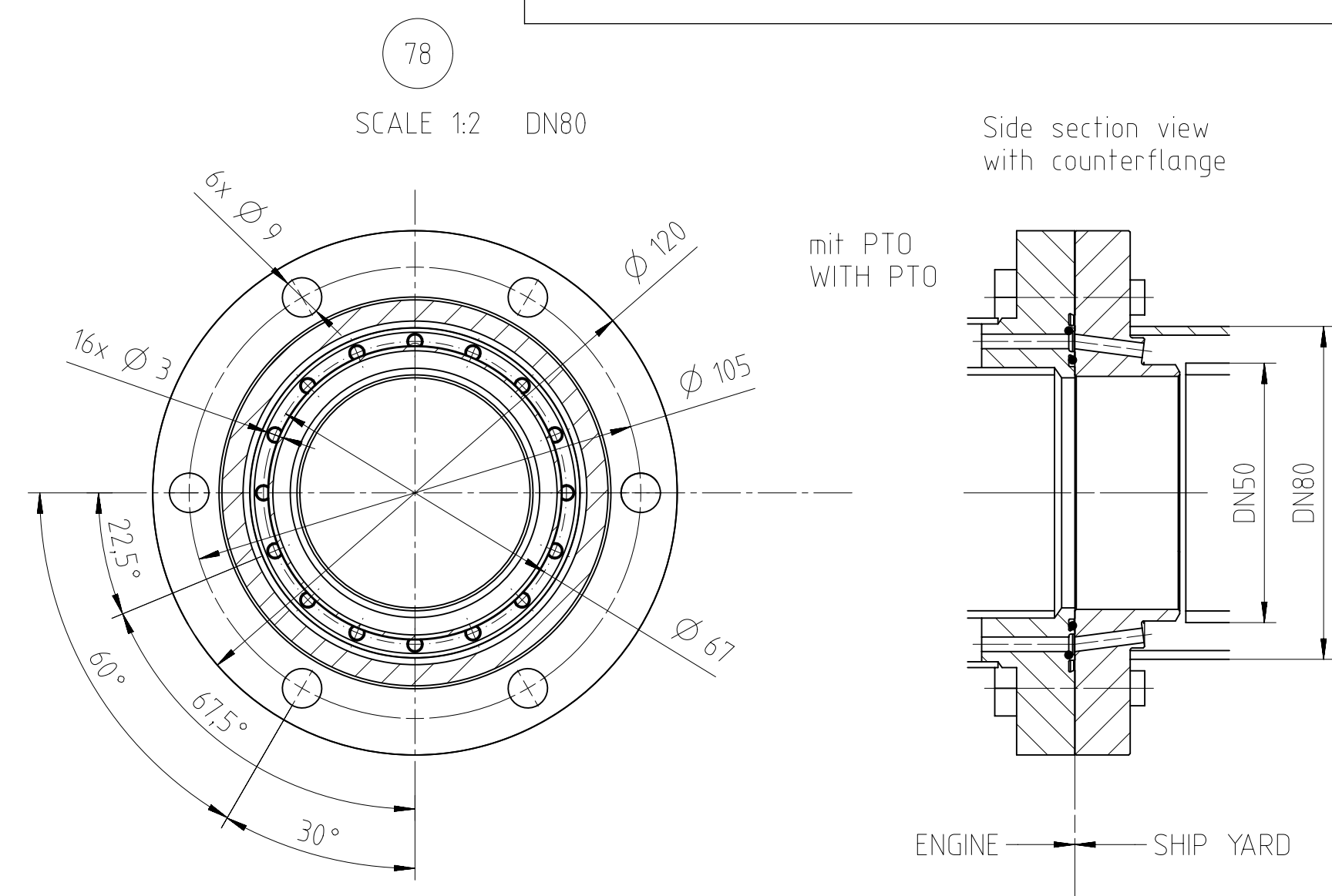
DIMENSIONS FOR REFERENCE ONLY. TECHNICAL MODIFICATIONS
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NOT BE USED FOR FINAL DESIGN!

Die Gewindeanschlüsse werden komplett geliefert
SCREWED CONNECTIONS ARE SUPPLIED COMPLETE

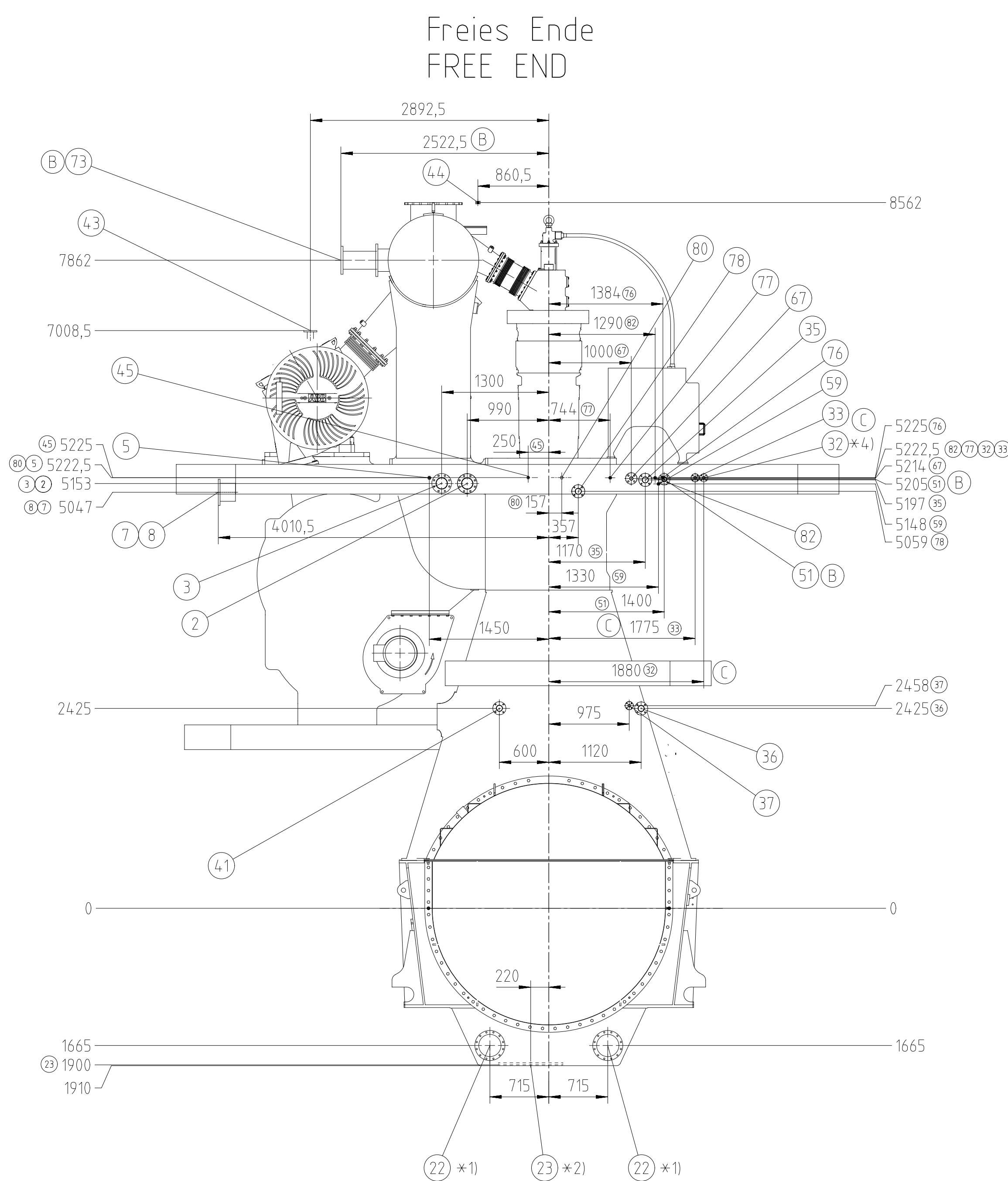
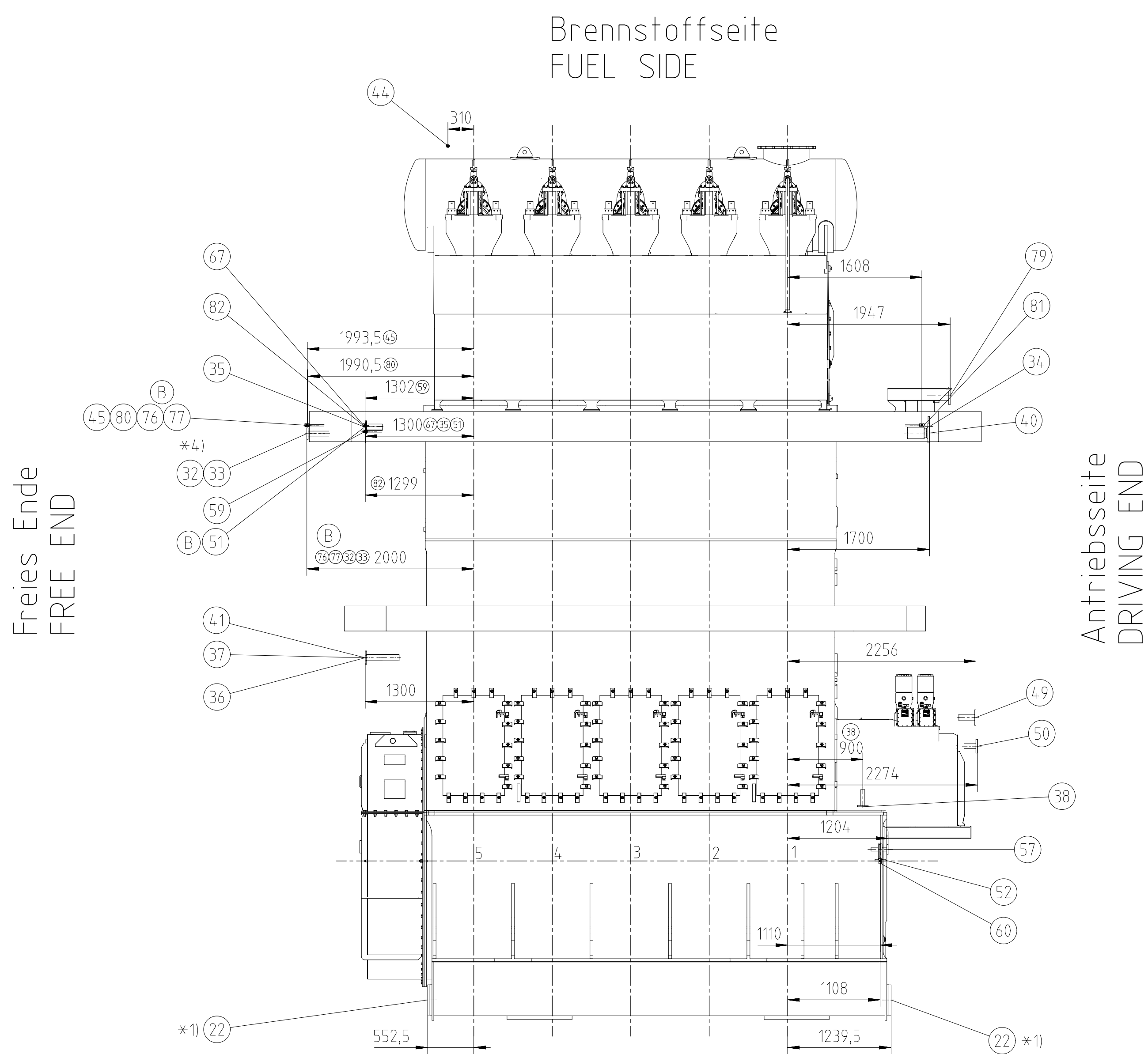
1 x A265-L

Internes TL Ölsystem
INTERNAL TC OIL SYSTEM

mit GPU
WITH GPU



Anschlussprinzip siehe Stueckliste Pos. 002
CONNECTION PRINCIPLE SEE PARTLIST



0.001	Part(s)									
1	002	PAAD047122	FLANGE DIMENSIONS				DAAD045822	0,0		
1	001	107.390.729.500	FLANGE DIMENSIONS				107.390.729	0,00		
Genfit	SED	Material ID	Material Name	Standard or Dimension, Dk	Drawing	Basic Material	Material Standard	Weight	G-Code	
ENGINE	NO								XXXXXX	Main Drw
									Standard JIS	H
PAAD04109	Free space for it.									
Part(s)	Prod. Number	Draw date	Number	Draw date	Number	Draw date	Number	Draw date	Number	Draw date
	A	EAAD090563	23.12.2019	B	EAAD092548	12.11.2020	C	EAAD090495	10.02.2021	

 Winterthur Gas & Diesel	Product SX52DF	PIPE CONNECTION PLAN Rohranschlussplan
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SURFACE PROTECTION SEE GROUP 0344		Units	mm kg	1/1	Scale: Material	Rev. Weight	
Made	14.02.2019	Abraham Dasari	Design: Group	Size	A0	Page	1/2
Checked	18.10.2019	nba032 Baumgartner	8020	Drawing ID	DAAD122438	Rev.	C
Approved	28.10.2019	sth017 Thalmann					

Bypass zur Auspuffleitung
EXHAUST BY-PASS

SCALE 2:15

72

9° 18°

26

20x

25 dick THICK

Ø 700

Ø 650

M24 (4x)

für vertikalen Ölablauf
FOR VERTICAL LUB. OIL DRAIN

1:75

23

25° 15°

20 dick THICK

Ø 670

Ø 610

Ø 780

24x M20

21 dick THICK

1:10

Gas-Austritt vom Turbolader
GAS OUTLET FROM TURBOCHARGER

71

Ø 43

Ø 129

Ø 215

Ø 255.5

32x Ø 22

525

450

350

250

150

50

0

1114

562

für horizontalen Ölablauf
FOR HORIZONTAL LUB. OIL DRAIN

siehe Ko.Gr. 1110 / 9722
SEE GROUP

1:10

22 *

DN200

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ISO

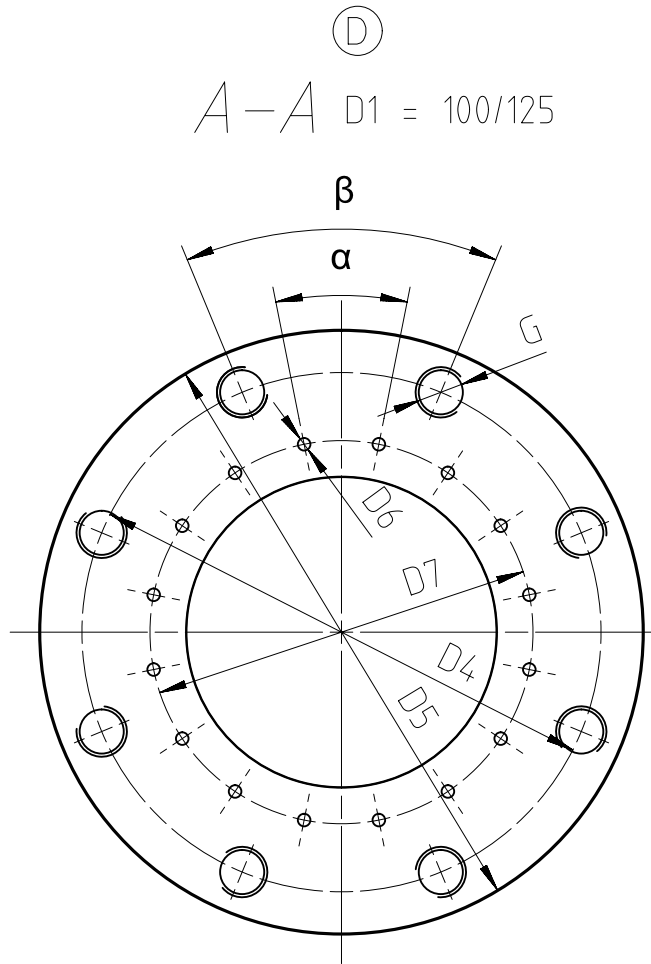
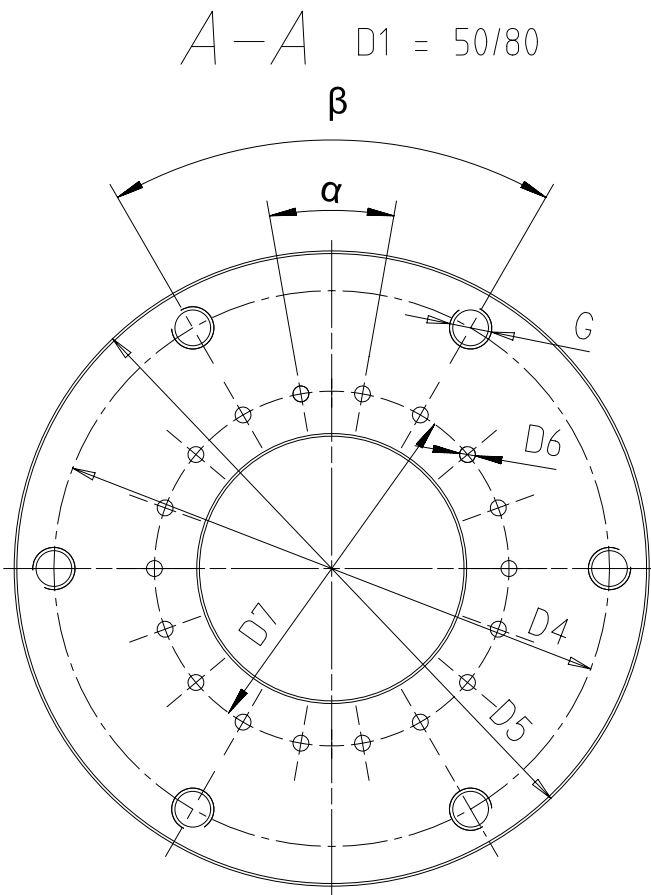
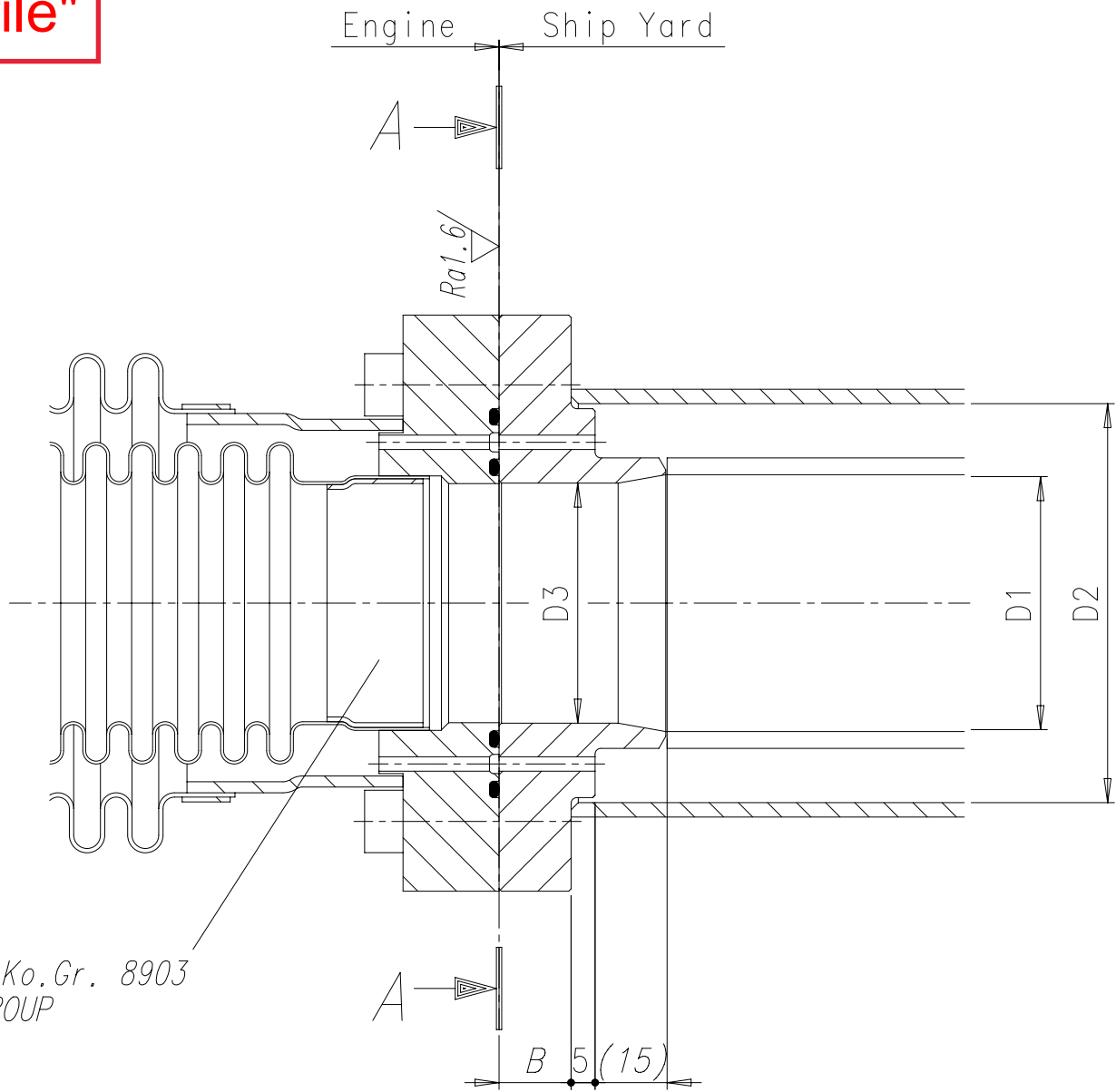
PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS			
6 bar	25	100	14	75	4	M10	11
	32	120	16	90	4	M12	14
	40	130	16	100	4	M12	14
	50	140	16	110	4	M12	14
	65	160	16	130	4	M12	14
	80	190	18	150	4	M16	18
	100	210	18	170	4	M16	18
	125	240	20	200	8	M16	18
	150	265	20	225	8	M16	18
	200	320	22	280	8	M16	18
	250	375	24	335	12	M16	18
	300	440	24	395	12	M20	22
	350	490	26	445	12	M20	22
	400	540	28	495	16	M20	22
	450	595	30	550	16	M20	22
	500	645	30	600	20	M20	22
PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS			
10 bar	25	115	16	85	4	M12	14
	32	140	18	100	4	M16	18
	40	150	18	110	4	M16	18
	50	165	19	125	4	M16	18
	65	185	20	145	8	M16	18
	80	200	20	160	8	M16	18
	100	220	22	180	8	M16	18
	125	250	22	210	8	M16	18
	150	285	24	240	8	M20	22
	200	340	24	295	8	M20	22
	250	395	26	350	12	M20	22
	300	445	26	400	12	M20	22
	350	505	28	460	16	M20	22
	400	565	32	515	16	M24	26
	450	615	38	565	20	M24	26
	500	670	38	620	20	M24	26

PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS			
16 bar	25	115	16	85	4	M12	14
	32	140	18	100	4	M16	18
	40	150	18	110	4	M16	18
	50	165	19	125	4	M16	18
	65	185	20	145	8	M16	18
	80	200	20	160	8	M16	18
	100	220	22	180	8	M16	18
	125	250	22	210	8	M16	18
	150	285	24	240	8	M20	22
	200	340	26	295	12	M20	22
	250	405	32	355	12	M24	26
	300	460	32	410	12	M24	26
	350	520	35	470	16	M24	26
	400	580	38	525	16	M27	30
	450	640	42	585	20	M27	30
	500	715	46	650	20	M30	33
PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS			
40 bar	25	115	16	85	4	M12	14
	32	140	18	100	4	M16	18
	40	150	18	110	4	M16	18
	50	165	20	125	4	M16	18
	65	185	22	145	8	M16	18
	80	200	24	160	8	M16	18
	100	235	26	190	8	M20	22
	125	270	28	220	8	M24	26
	150	300	30	250	8	M24	26
	200	375	36	320	12	M27	30
	250	450	44	385	12	M30	33
	300	515	48	450	16	M30	33
	350	580	54	510	16	M33	36
	400	660	60	585	16	M36	39

JIS																
PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS				PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS				
5 bar	25	95	10	75	4	M10	12	16 bar	25	125	14	90	4	M16	19	
	32	115	12	90	4	M12	15		32	135	16	100	4	M16	19	
	40	120	12	95	4	M12	15		40	140	16	105	4	M16	19	
	50	130	14	105	4	M12	15		50	155	16	120	8	M16	19	
	65	155	14	130	4	M12	15		65	175	18	140	8	M16	19	
	80	180	14	145	4	M16	19		80	200	20	160	8	M20	23	
	100	200	16	165	8	M16	19		100	225	22	185	8	M20	23	
	125	235	16	200	8	M16	19		125	270	22	225	8	M22	25	
	150	265	18	230	8	M16	19		150	305	24	260	12	M22	25	
	200	320	20	280	8	M20	23		200	350	26	305	12	M22	25	
	250	385	22	345	12	M20	23		250	430	28	380	12	M24	27	
	300	430	22	390	12	M20	23		300	480	30	430	16	M24	27	
	350	480	24	435	12	M22	25		350	540	34	480	16	M30	33	
	400	540	24	495	16	M22	25		400	605	38	540	16	M30	33	
	450	605	24	555	16	M22	25		450	675	40	605	20	M30	33	
	500	655	24	605	20	M22	25		500	730	42	660	20	M30	33	
PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS				PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS				
10 bar	25	125	14	90	4	M16	19	30 bar	25	130	20	95	4	M16	19	
	32	135	16	100	4	M16	19		32	140	22	105	4	M16	19	
	40	140	16	105	4	M16	19		40	160	22	120	4	M20	23	
	50	155	16	120	4	M16	19		50	165	22	130	8	M16	19	
	65	175	18	140	4	M16	19		65	200	26	160	8	M20	23	
	80	185	18	150	8	M16	19		80	210	28	170	8	M20	23	
	100	210	18	175	8	M16	19		100	240	32	195	8	M22	25	
	125	250	20	210	8	M20	23		125	275	36	230	8	M22	25	
	150	280	22	240	8	M20	23		150	325	38	275	12	M24	27	
	200	330	22	290	12	M20	23		200	370	42	320	12	M24	27	
	250	400	24	355	12	M22	25		250	450	48	390	12	M30	33	
	300	445	24	400	16	M22	25		300	515	52	450	16	M30	33	
	350	490	26	445	16	M22	25		350	560	54	495	16	M30	33	
	400	560	28	510	16	M24	27		400	630	60	560	16	M36	39	
	450	620	30	565	20	M24	27									
	500	675	30	620	20	M24	27									

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										

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Ra12,5 (✓)

Rohrleitungs Spezifikationen gemäss Ko.Gr.8903
PIPING SPECIFICATIONS ACCORDING GROUP

A		C		D							
D1	D2	D3	D4	D5	D6	D7	B	G	α	β	
DN	DN	mm	mm	mm	mm	mm	mm				
40	65										
50	80	47	105	120	3	67	15	M8	20°	60°	
80	100	79	155	180	5	104	20	M12	20°	60°	
100	125	95	174	200	5	125	20	M12	22.5°	45°	
125	150	127	206	240	5	152	25	M16	22.5°	45°	

C D E

F

D

Free space for lic.									Q-Code XXXXXX	Main Drw.		
									Standard ISO; JIS			
Modif.	C	EAAD087857	13.12.2017	D	EAAD090045	15.11.2018	E	EAAD090428	14.06.2019	F	EAAD095585	27.11.2020
		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date
WIN GD Winterthur Gas & Diesel				Product W-2S				FLANGE DIMENSIONS Flanschabmessungen				
Units	mm	kg	NX		Basic Material		Net Weight 0,01					
Made	17.10.2015	rs0x04 R.W.Sola		Scale	1:1	Size	A3	Page	1/1	Material ID	PAAD147122	
Chkd	04.09.2014 ihe003 Herceg			Design Group	8020		Drawing ID	DAAD045822			Rev.	F
Appd	05.09.2014 bha009 Haag											

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

ILD - INSTALLATION DRAWING - Internal

WinGD-5X52DF_Pipe-Connection-Plan

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2019-05-15	DRAWING SET	First web upload
2019-11-29	DAAD122438 DAAD045822	New Pipe Connection Plan of STD engine execution with GVU for Turbocharger type 1xA265-L has been added. Revised Flange dimension drawing has been updated.
2020-08-28	DAAD122438 DAAD112321	Revised Pipe Connection Plans of STD execution with GVU and IGPR for Turbocharger type 1xA265-L have been updated.
2021-05-19	PAAD341198 PAAD319299 PAAD147122	Revised Pipe Connection Plans of STD execution with GVU and IGPR for Turbocharger type 1xA265-L have been updated. Flange dimension drawing has been updated.

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