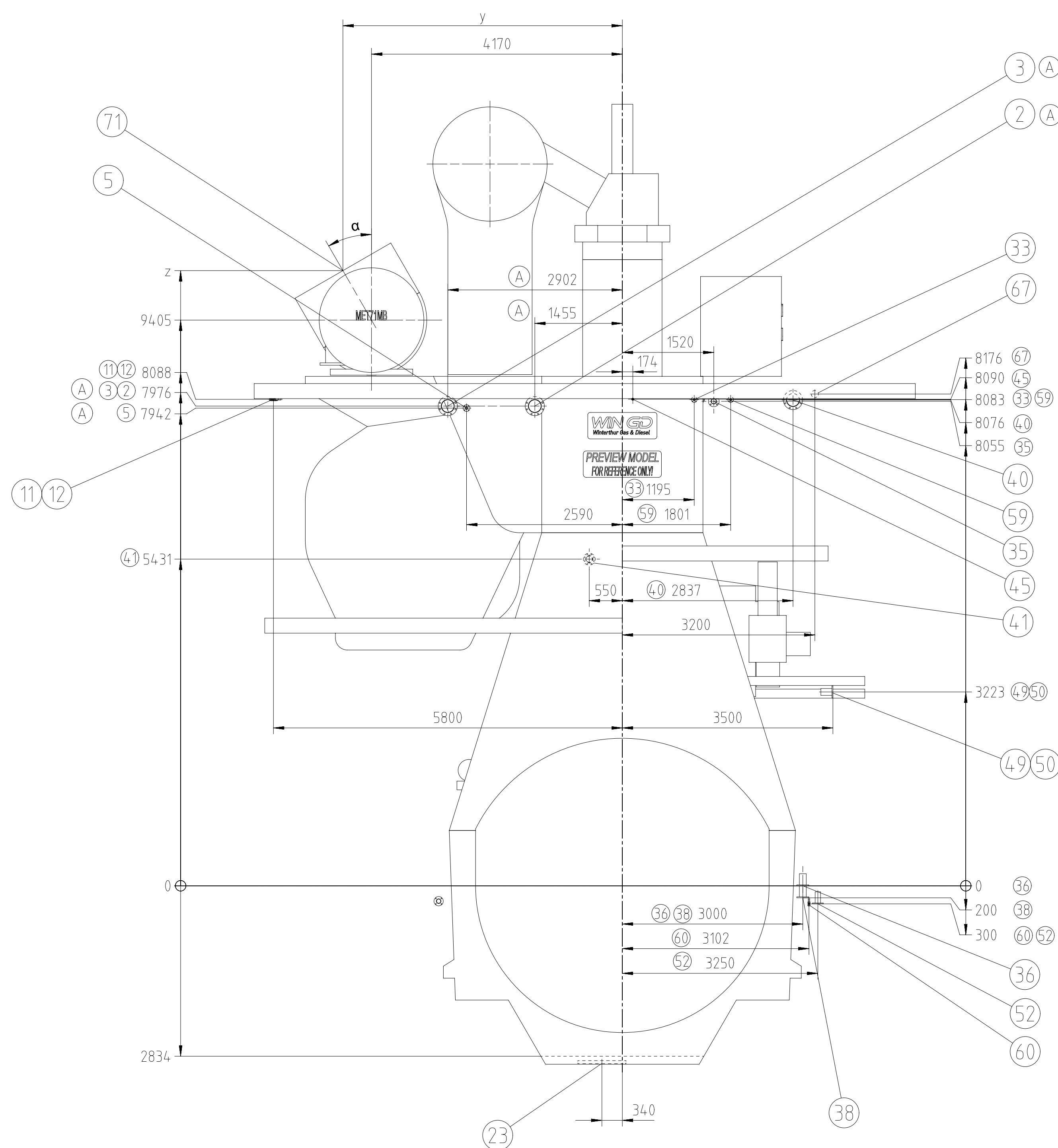
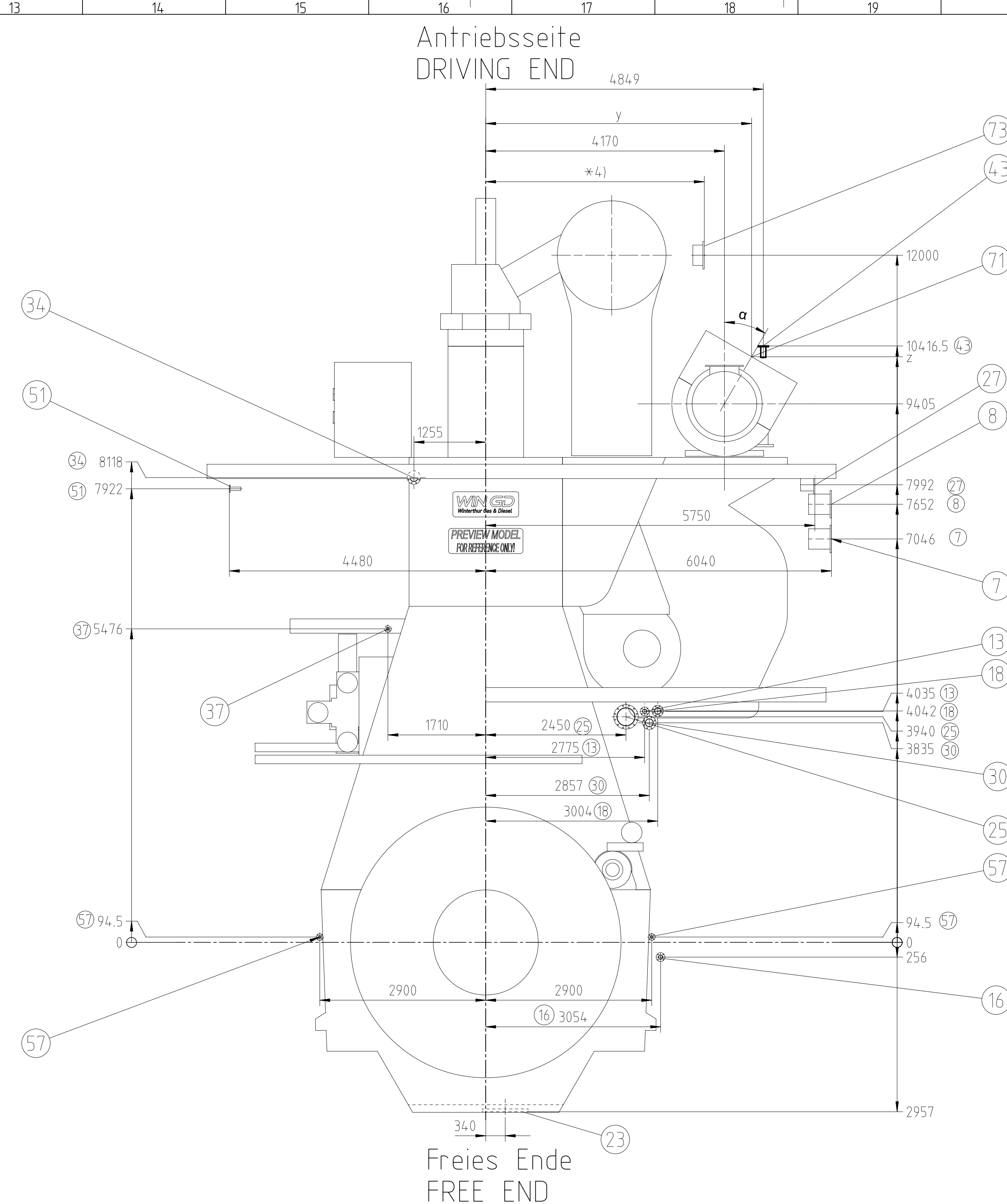
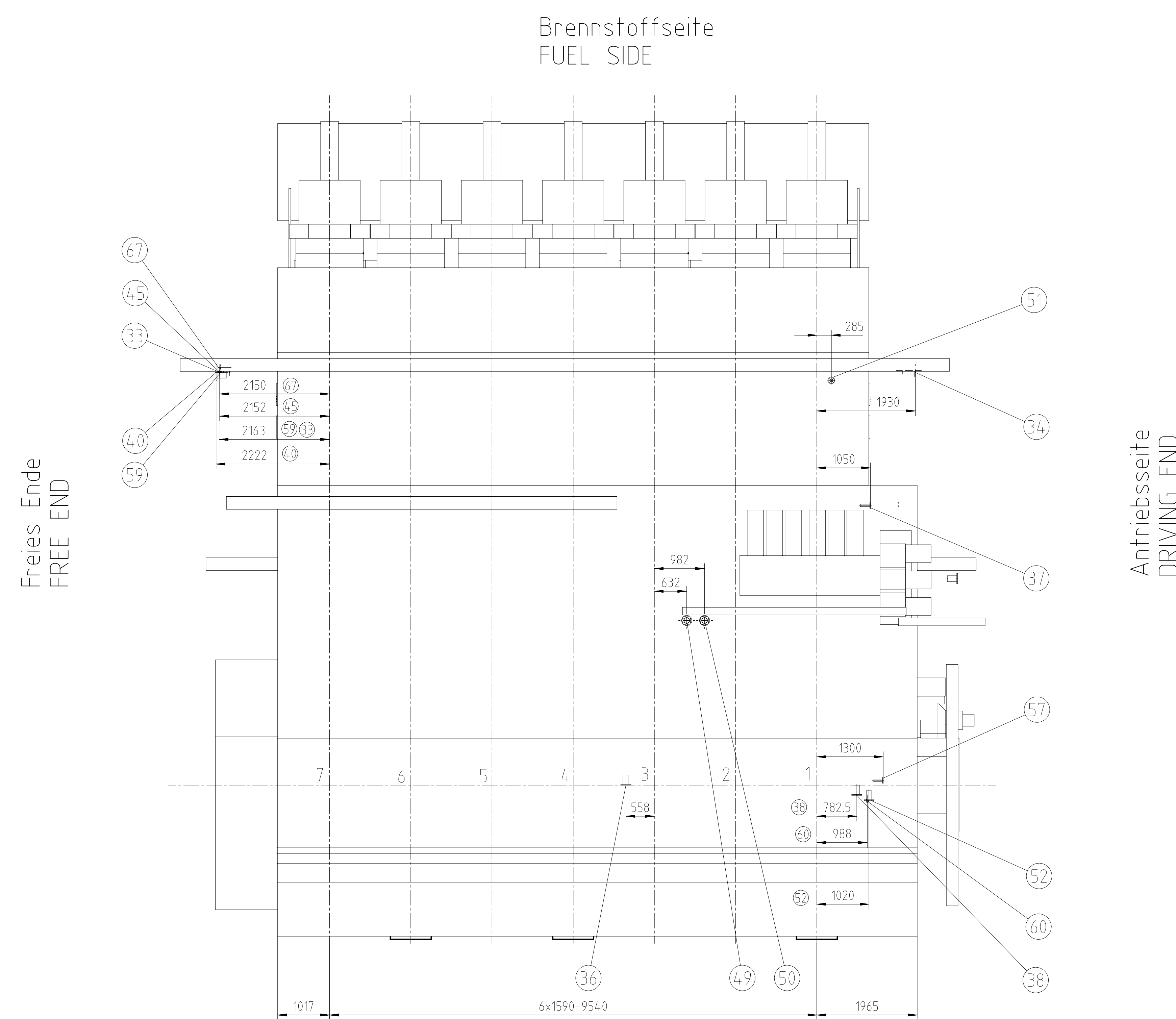
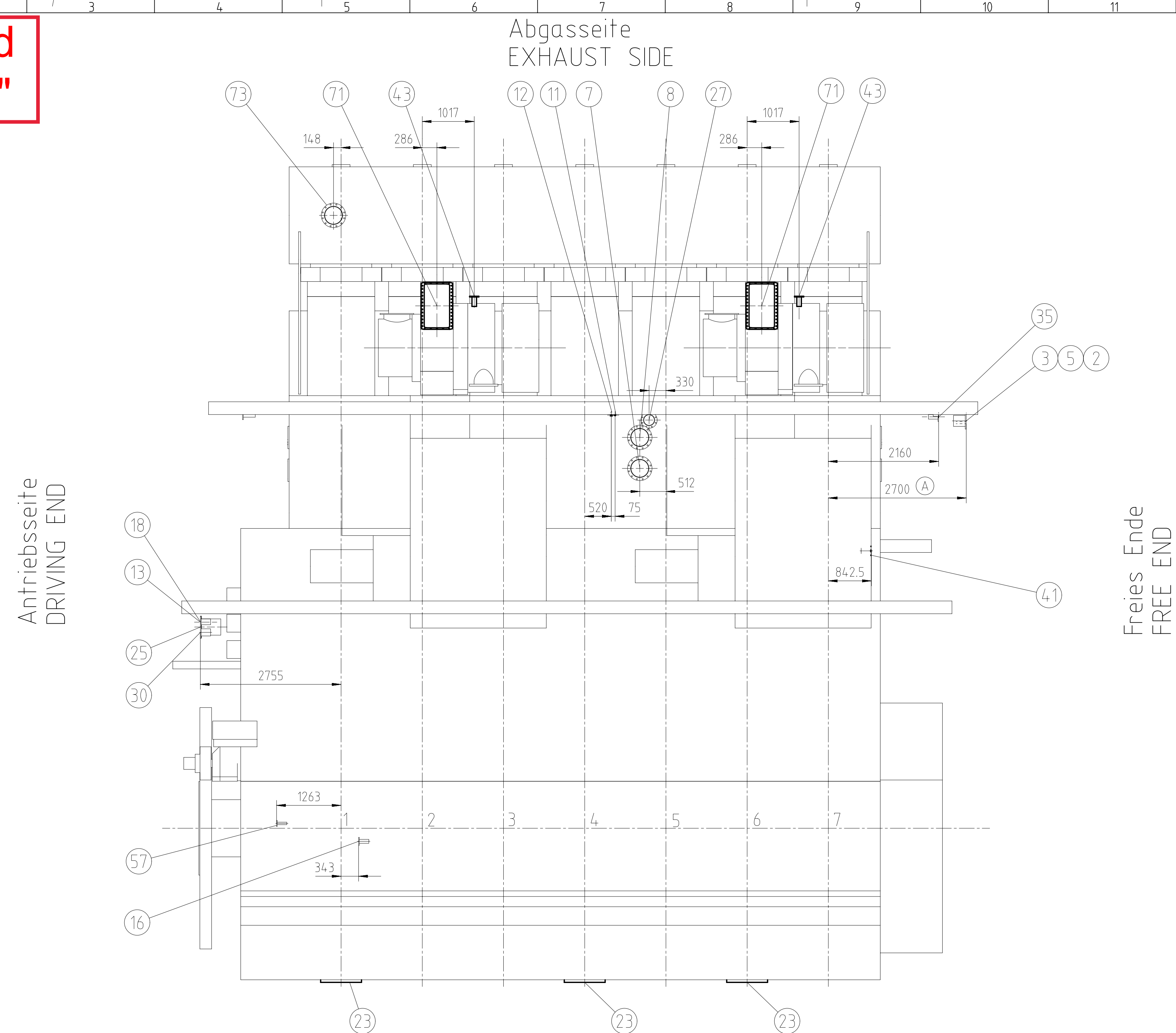



SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	107.390.729.500	FLANGE DIMENSIONS				0.001
Prod.	7 X92-B						
Change History							
	A	qyi101	yzh102	09.05.2022	CNAA001851	Yard Connection updated	4 3
	-	zta101	yzh102	26.08.2021	CNAA000512	main drawing introduced	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>			PIPE CONNECTION PLAN				
Bill Of Material			Dimension				
Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the document the recipient recognizes and honours these rights. Neither the whole nor any part of this document may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of Winterthur Gas & Diesel Ltd.			Units	[m] [kg]	Basic Material		Net Weight 0.001
			Main Design	Yes	Design Group	8020 Q-Code XXXXX	Standard WDS
			Qty per	Engine	A4	Item ID PTAA010343	BOM Page/s 01/01

Download
"DXF file"



Gasaustritt-Stellung GAS OUTLET POSITION 	Y	Z
0°	4170	10355
15°	4416	10323
30°	4645	10228
45°	4842	10077

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!


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 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

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


Internes TL Oelsystem
INTERNAL TC OIL SYSTEM
2xMET71-MB

Change History		7292-B								
Id	Qty	Ytd	09.05.2022	CNA001851	Yard Connection updated					
	Qty	Ytd	26.08.2021	CNA009572	main drawing introduced					
Rev	Creator	Approver	Approved Date	Change Id	Change Synopses			Approved	Activity Code	E



PIPE CONNECTION PLAN

separate BOM available

Scale	1:50		NX
-------	------	---	----

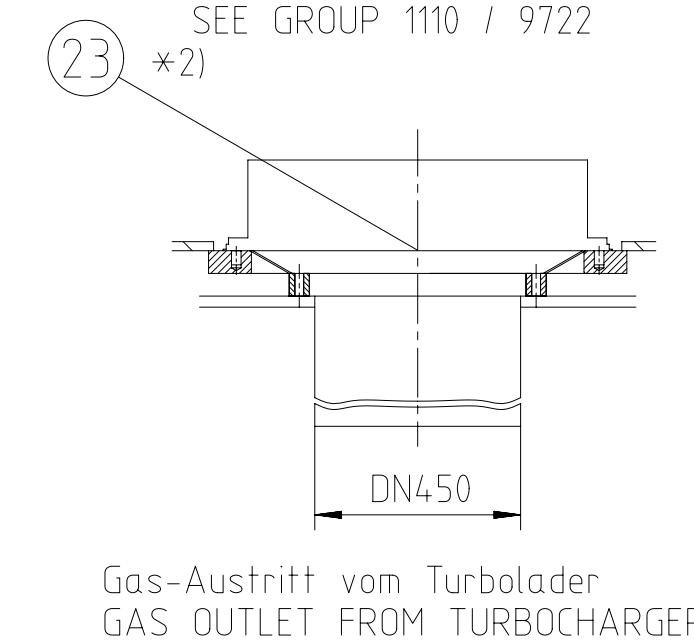
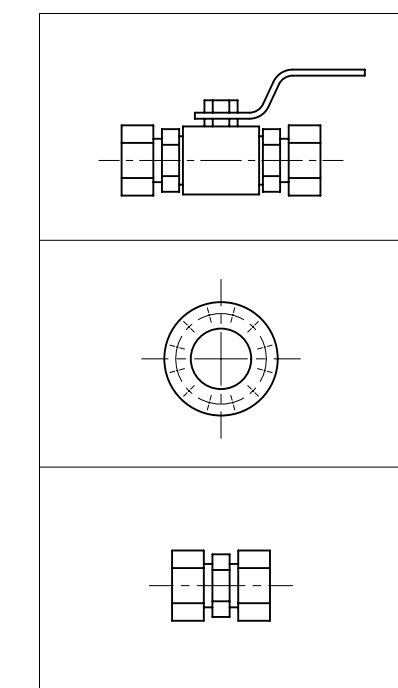
Copyright Winther Gas & Diesel Ltd. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form, or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Winther Gas & Diesel Ltd. This document is the property of Winther Gas & Diesel Ltd. and is loaned to you for your use only. It is not to be distributed, copied, or otherwise used for any purpose other than the one for which it was loaned to you. It is to be returned to Winther Gas & Diesel Ltd. when no longer needed. It is not to be used for any purpose other than the one for which it was loaned to you. It is to be returned to Winther Gas & Diesel Ltd. when no longer needed.

Units	[mm]	[kg]	Basic Material		Net Weight	0.00
Material	Yes	Design Group	8020	Q-Code	XXXXX	Standard
City	Engine	A0	Item ID	PTAA010343		Drawing Pages
						1/1

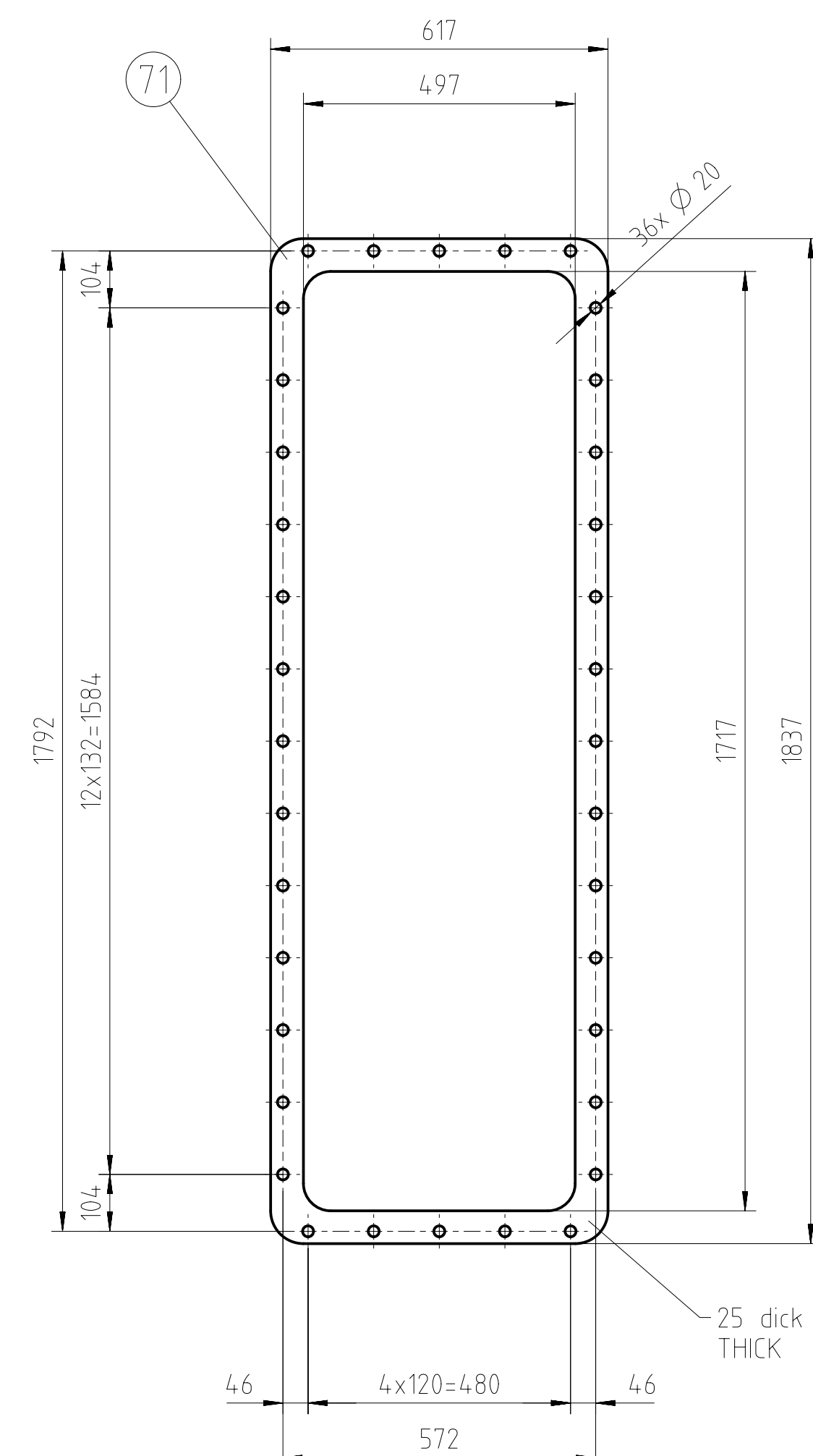
				Leitungs-Anschlüsse PIPE-CONNECTIONS				
				Ka.Gr. KO,GR.	Freies Ende FREE END	Antriebsseite DRIVING END	Absaugseite EXHAUST SIDE	Brennstoffseite FUEL SIDE
1		Zylinderkuehlwasser Eintritt CYLINDER COOLING WATER INLET	DN PN	8301	Nicht benoetigt NOT USED			
2		Zylinderkuehlwasser Eintritt CYLINDER COOLING WATER INLET	DN 200 PN 5	8305	X		X	
3		Zylinderkuehlwasser Austritt CYLINDER COOLING WATER OUTLET	DN 200 PN 5	8310	X		X	
4		Zylinderkuehlwasser Entluftung Entluftung CYLINDER COOLING WATER VENTING VENTING	DN PN	8313	Nicht benoetigt NOT USED			
5		Zylinderkuehlwasser Entleerung Austritt CYLINDER COOLING WATER DRAIN OUTLET	DN 32 PN 5	8313	X		X	
6		SLK Entleerung Austritt SAC DRAIN OUTLET	DN PN	8314	Nicht benoetigt NOT USED			
7		SLK-LT-Kuehlwasser Eintritt SAC-LT-COOLING WATER INLET	DN 350 PN 5	8335		X	X	
8		SLK-LT-Kuehlwasser Austritt SAC-LT-COOLING WATER OUTLET	DN 350 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 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		Deliges Wasser vom Receiver Austritt OILY WATER FROM RECEIVER OUTLET	DN 65 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 50 PN 5	8357	Nicht benoetigt NOT USED			
18		SLK Entluftung Entluftung SAC VENTING VENTING	DN 100 PN 5	8357		X	X	
19								
20		Delablaufleitung Brennstoffpumpen Austritt OIL PIPE DRAIN FUEL PUMPS OUTLET	DN PN	8454	Nicht benoetigt NOT USED			
21		Leckoel Brennstoffseite Austritt LEAKAGE OIL FUEL SIDE OUTLET	DN PN	8481	Nicht benoetigt NOT USED			
22	siehe Detail SEE DETAIL	Delablauf Grundplatte Horizontal OIL DRAIN BEDPLATE HORIZONTAL		1110	Nicht benoetigt NOT USED			
23	*2) siehe Detail SEE DETAIL	Delablauf 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 300 PN 5	8406		X	X	

				Leitungs-Anschlüsse PIPE-CONNECTIONS				
				Ko.Gr. KO, GR.	Freies Ende FREE END	Antriebsseite DRIVING END	Abgasseite EXHAUST SIDE	Brennstoffseite FUEL SIDE
26		Schmieröl Turbolader Eintritt	DN PN	8430	Nicht benötigt NOT USED			
27		Schmieröl Turbolader Austritt	DN 200 PN 5	8431		X	X	
28		Schmieröl Brennstoffpumpen Eintritt	DN PN	8445	Nicht benötigt NOT USED			
29		Schmutzöl Ablauf Versorgungseinheit Austritt	DN PN	8452	Nicht benötigt NOT USED			
30		Schmieröl Kreuzkopf Eintritt	DN 125 PN 16	8455		X	X	
31		Leckagen vom Motor Austritt	DN PN	8463	Nicht benötigt NOT USED			
32		Zylinder Schmieröl (HIGH BN) Eintritt	DN PN	8475	Nicht benötigt NOT USED			
33		Zylinder Schmieröl (LOW BN) Eintritt	DN 25 PN 5	8475	X			X
34		Lecköl Antriebsseite Austritt	DN 125 PN 5	8482		X		X
35		Lecköl Freies Ende Austritt	DN 80 PN 5	8483	X			X
36		Schmutzöl Kolbenunterseite Austritt	DN 100 PN 5	8487	X			X
37		Lecköl Stopfbuechse Austritt	DN 40 PN 5	8488		X		X
38		Ölablaufg. Versorgungseinheit Austritt	DN 100 PN 5	8454	X			X
39		Leckageablauf Zylinderblock Austritt	DN PN	8462	Nicht benötigt NOT USED			
40		Anlassluft Eintritt	DN 200 PN 30/40	8605	X			X
41		Entlüftung Kurbelgehäuse Austritt	DN 100 PN 5	1409	X		X	
42		Entlüftung Waste Gate Austritt	DN PN	8609	Nicht benötigt NOT USED			
43		Entlüftung Turbolader Austritt	DN 100 PN 5	8610		X	X	
44		Entlüftung Zylinderkühlwasser Austritt	DN 12 PN 5	8313	Nicht benötigt NOT USED			
45		Steuerluftversorgung Eintritt	DN 15 PN 12	8630	X			X
46		Steuerluftversorgung Eintritt	DN PN	4605	Nicht benötigt NOT USED			
47								
48								
49		Brennstoff Eintritt	DN 100 PN 16	8702	X			X
50		Brennstoffrücklauf Austritt	DN 100 PN 16	8704	X			X

				Leitungs-Anschlüsse PIPE-CONNECTIONS				
				Ko.Gr. KO.GR.	Freie Seite FREE END	Anriffsseite DRIVING END	Abgasseite EXHAUST SIDE	Brennstoffseite FUEL SIDE
51		Leckbrennstoff Rail Unit Austritt FUEL LEAKAGE RAIL UNIT OUTLET	DN 50 PN 5	8740	X			X
52		Leckbrennstoff Austritt FUEL LEAKAGE OUTLET	DN 80 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		Ablaufleitungen allgemein DRAIN PIPES VARIOUS	DN 40 PN 5	8746		X	X	X
58								
59		Begleitheizung Brennstoff Eintritt TRACE HEATING FUEL INLET	DN 25 PN 16	8810	X			X
60		Begleitheizung Brennstoff Austritt TRACE HEATING FUEL OUTLET	DN 20 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 40 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	X	
72	siehe Detail SEE DETAIL	Abgas Bypass Austritt EXHAUST GAS BY-PASS OUTLET		8103 8108	Nicht benoetigt NOT USED			
*1)*2) 73		Abgas Abblaseventil Austritt EXHAUST WASTE GATE OUTLET	DN PN	8135	IF USED, SEE DAAD116127			
74								
75								



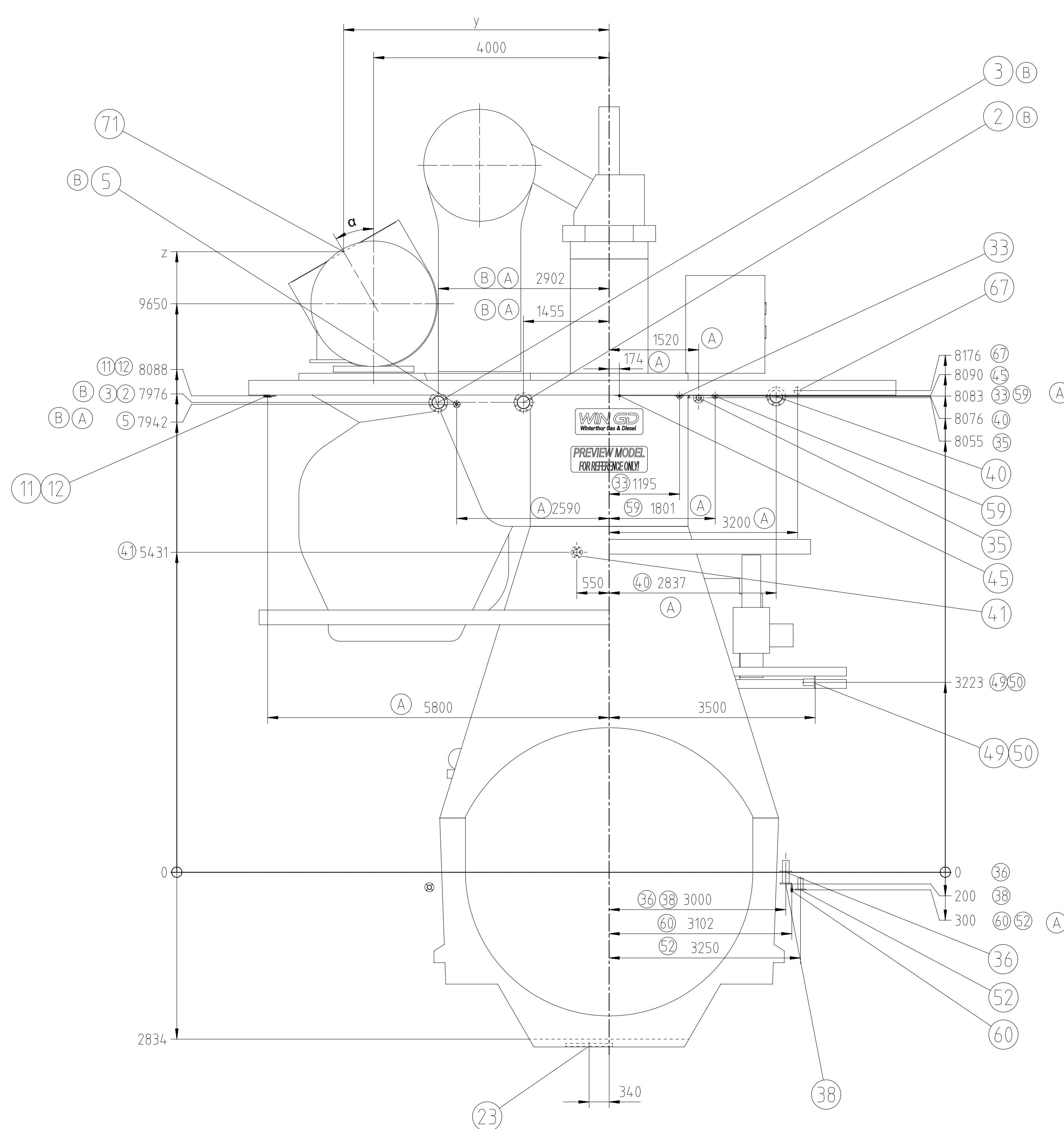
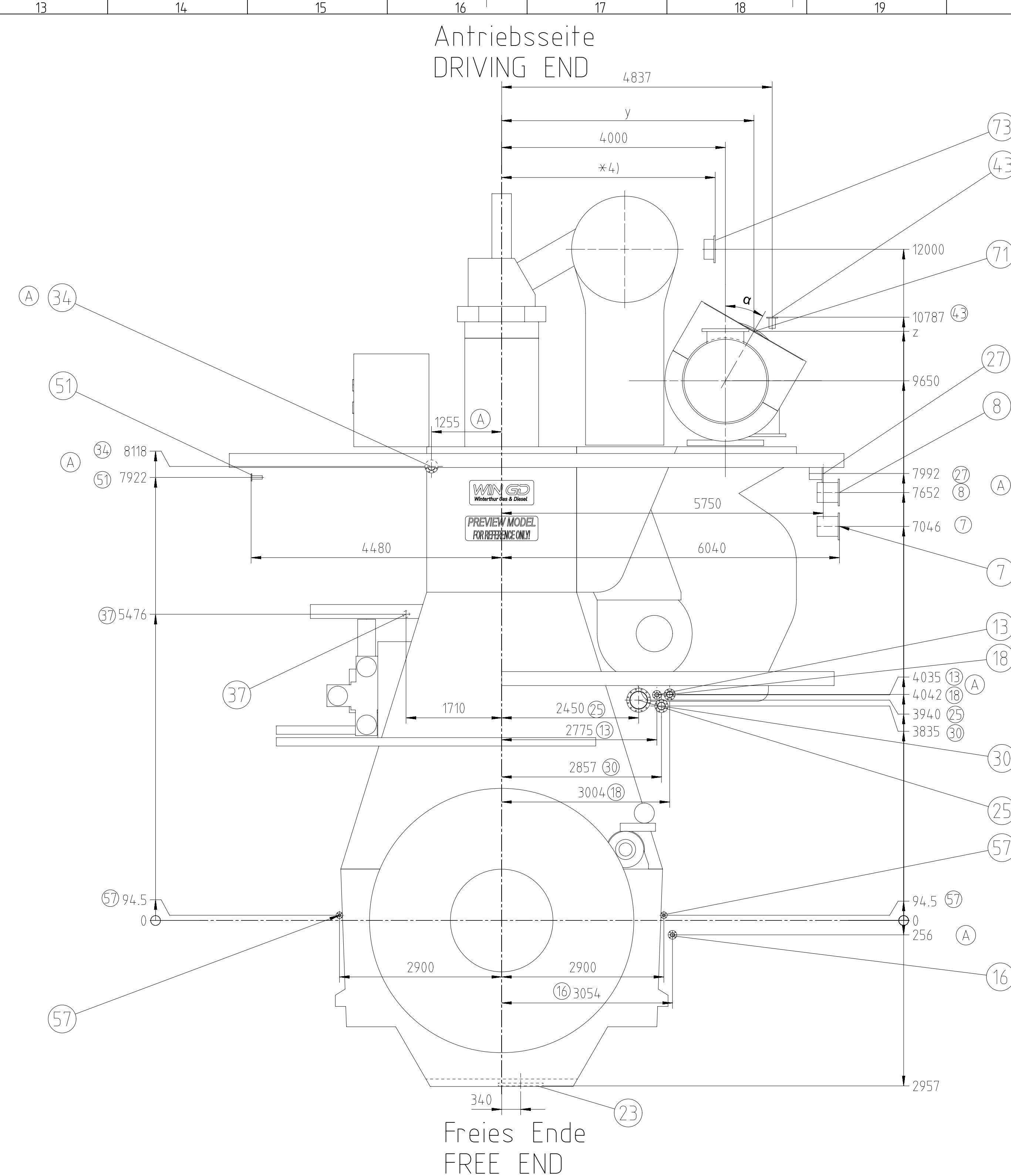
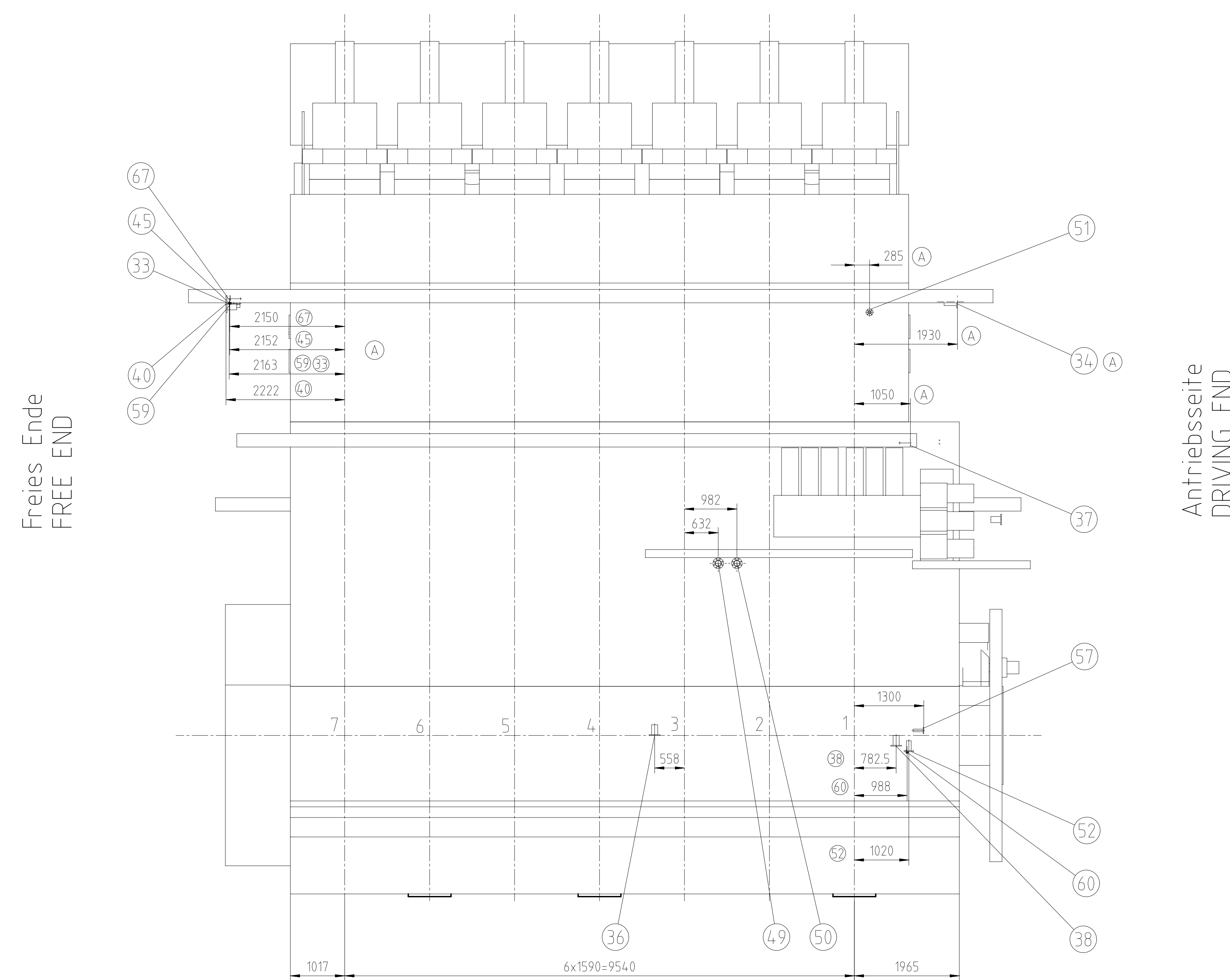
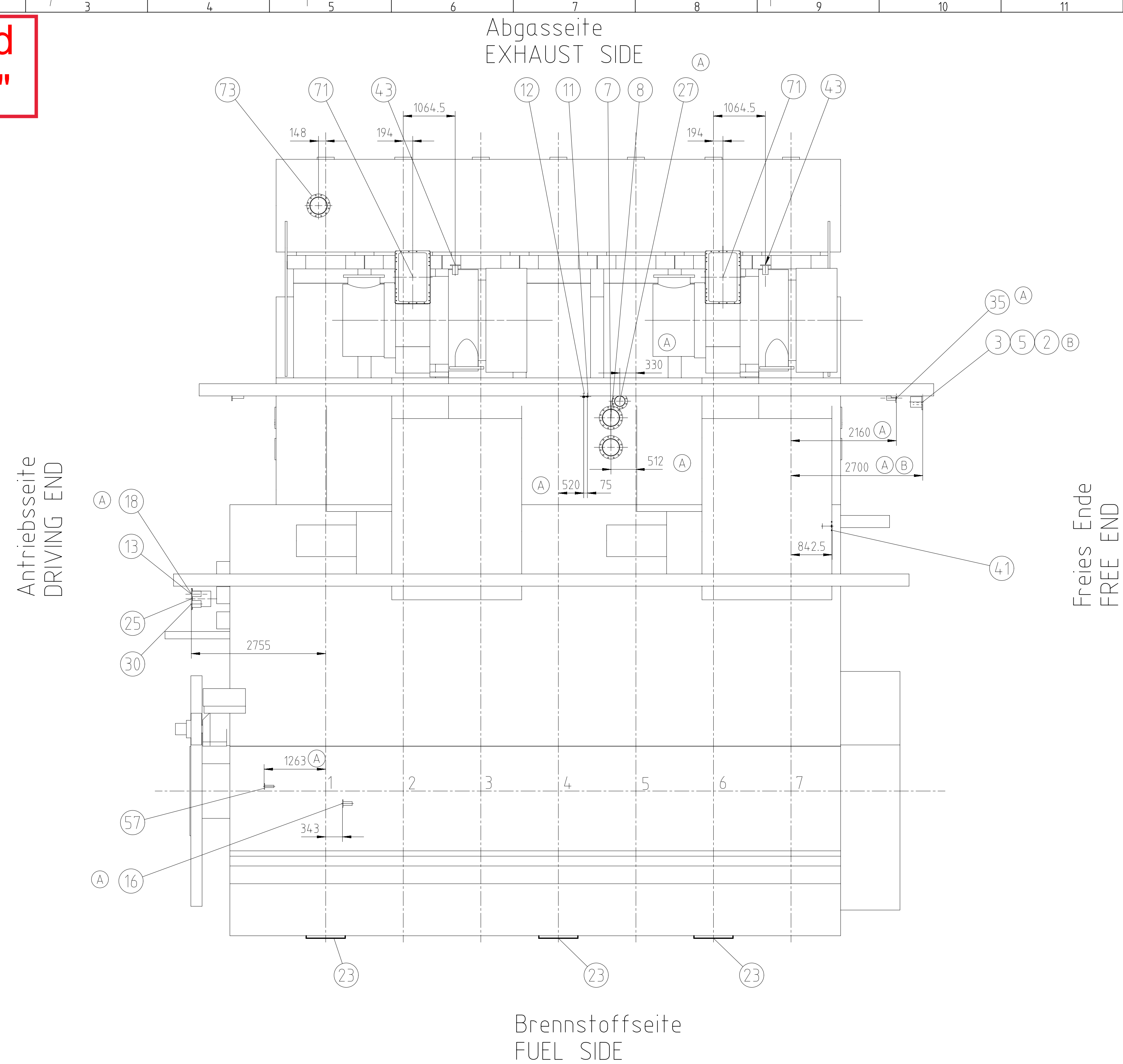
- *1) Optionelle Ausführung (wenn verlangt)
OPTIONAL EXECUTION (IF REQUIRED)
- *2) Standard Ausführung
STANDARD EXECUTION
Vorschlag Endgültige Position ist
mit Werft zu bestimmen
PROPOSAL FINAL POSITION TO BE DETERMINED
IN ACCORDANCE WITH SHIPYARD
- *3) Externale Ausführung (wenn verlangt)
EXTERNAL EXECUTION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




		Change		A	q7y01	yzh02	09.05.2022	CUAA001851	Yard Connection updated		4	
SURFACE PROTECTION SEE GROUP 0344		Rev.	Creator	Approver		Change ID		Change Synopsis	Approved	Activity Code	E	
TOLERANCING PRINCIPLE ISO8015		Copyright Clearance Center & Cengage Ltd. All rights reserved. No taking preparation of the drawing or the required responses and hatches from other sources. Neither the whole nor any part of this document may be copied or used in any way without the permission, in writing, of the copyright owner. All other rights are reserved. Information regarding any other software or content is the property of its respective owner and is not to be reproduced or distributed without the express written permission of the copyright owner.						1:1	Item ID	PTAA010343	Drawing Project	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK								[mm] [kg]	NX			2/

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	107.390.729.500	FLANGE DIMENSIONS				0.001
Prod.	7 X92-B						
Change History							
	B	qyi101	yzh102	09.05.2022	CNAA001851	Yard Connection updates;	4 3
	A	zta101	yzh102	05.08.2021	CNAA000402	drawing updated	3 2
	-	zta101	sth017	26.01.2021		-	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>				PIPE CONNECTION PLAN			
Bill Of Material				Dimension			
Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the document the recipient recognizes and honours these rights. Neither the whole nor any part of this document may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of Winterthur Gas & Diesel Ltd.				Units	[m] [kg]	Basic Material	Net Weight 0.001
				Main Design	Yes	Design Group 8020 Q-Code XXXXX	Standard WDS
				Qty per	Engine	A4 Item ID PAAD370608	BOM Page/s 01/01

Download
"DXF file"



Gasaustritts-Stellung GAS OUTLET POSITION 	Y	Z
0°	4000	10670
15°	4264	10635
30°	4510	10533
45°	4721	10371


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!

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 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 MATCH PIPE DIA SUPPLIED BY THE SHIPYARD.

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

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

Internes TL Oelsystem
INTERNAL TC OIL SYSTEM
2xMET83-MB


7X92-B								
Change History	B	gry01	y2h02	09.05.2022	CNA0001851	Yard Connection updates; drawing updated	4	3
	A	zha01	y2h102	05.08.2021	CNA0000004		3	2
	-	zha01	y2h01	26.01.2021	-		-	-
Rev	Client	Approver	Approved Date	Change ID	Change Synopsis	Approved	Activity Code	E
WIN GD Winterthur Gas & Diesel				PIPE CONNECTION PLAN				
separate BOM available				Dimension				
Scope: 150  NX <small>Copyright Winterthur Gas & Diesel Ltd. All rights reserved. All the rights of the drawings are reserved for Winterthur Gas & Diesel and its licensees. All other rights are reserved and remain their rights. Neither the whole nor any part of the drawings may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission from Winterthur Gas & Diesel. If you are not a licensee, you may not make additional use of this product without the express written permission of Winterthur Gas & Diesel.</small>				Units	mm	kg	Basic Material	Net Weight
Main Design				Yes	Design Group	8020	Q-Code XXXXX	Standard
City part				Engine	A0	Item ID	PAAD370608	Drawing Pages
								1/1

Copyright Wärtsilä. All rights reserved. By taking possession of the drawing, the recipient recognizes and honors these rights. Neither the whole nor any part of this drawing may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of Wärtsilä.

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					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											

WinGD – 7X92-B_Pipe Connection Plan

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-05-23	DRAWING SET	First web upload
2021-09-15	PAAD370608 PTAA010343	Revised Pipe connection plan for Turbocharger type 2xMET 83MB has been updated. New Pipe connection plan for Turbocharger type 2xMET 71MB has been added.
2022-05-27	PAAD370608 PTAA010343	Revised Pipe connection plan for Turbocharger type 2xMET83-MB and 2xMET71-MB have been updated.

DISCLAIMER

© Copyright by Winterthur Gas & Diesel Ltd.

All rights reserved. No part of this document may be reproduced or copied in any form or by any means (electronic, mechanical, graphic, photocopying, recording, taping or other information retrieval systems) without the prior written permission of the copyright owner.

THIS PUBLICATION IS DESIGNED TO PROVIDE AN ACCURATE AND AUTHORITATIVE INFORMATION WITH REGARD TO THE SUBJECT-MATTER COVERED AS WAS AVAILABLE AT THE TIME OF PRINTING. HOWEVER, THE PUBLICATION DEALS WITH COMPLICATED TECHNICAL MATTERS SUITED ONLY FOR SPECIALISTS IN THE AREA, AND THE DESIGN OF THE SUBJECT-PRODUCTS IS SUBJECT TO REGULAR IMPROVEMENTS, MODIFICATIONS AND CHANGES. CONSEQUENTLY, THE PUBLISHER AND COPYRIGHT OWNER OF THIS PUBLICATION CAN NOT ACCEPT ANY RESPONSIBILITY OR LIABILITY FOR ANY EVENTUAL ERRORS OR OMISSIONS IN THIS BOOKLET OR FOR DISCREPANCIES ARISING FROM THE FEATURES OF ANY ACTUAL ITEM IN THE RESPECTIVE PRODUCT BEING DIFFERENT FROM THOSE SHOWN IN THIS PUBLICATION. THE PUBLISHER AND COPYRIGHT OWNER SHALL UNDER NO CIRCUMSTANCES BE HELD LIABLE FOR ANY FINANCIAL CONSEQUENTIAL DAMAGES OR OTHER LOSS, OR ANY OTHER DAMAGE OR INJURY, SUFFERED BY ANY PARTY MAKING USE OF THIS PUBLICATION OR THE INFORMATION CONTAINED HEREIN.