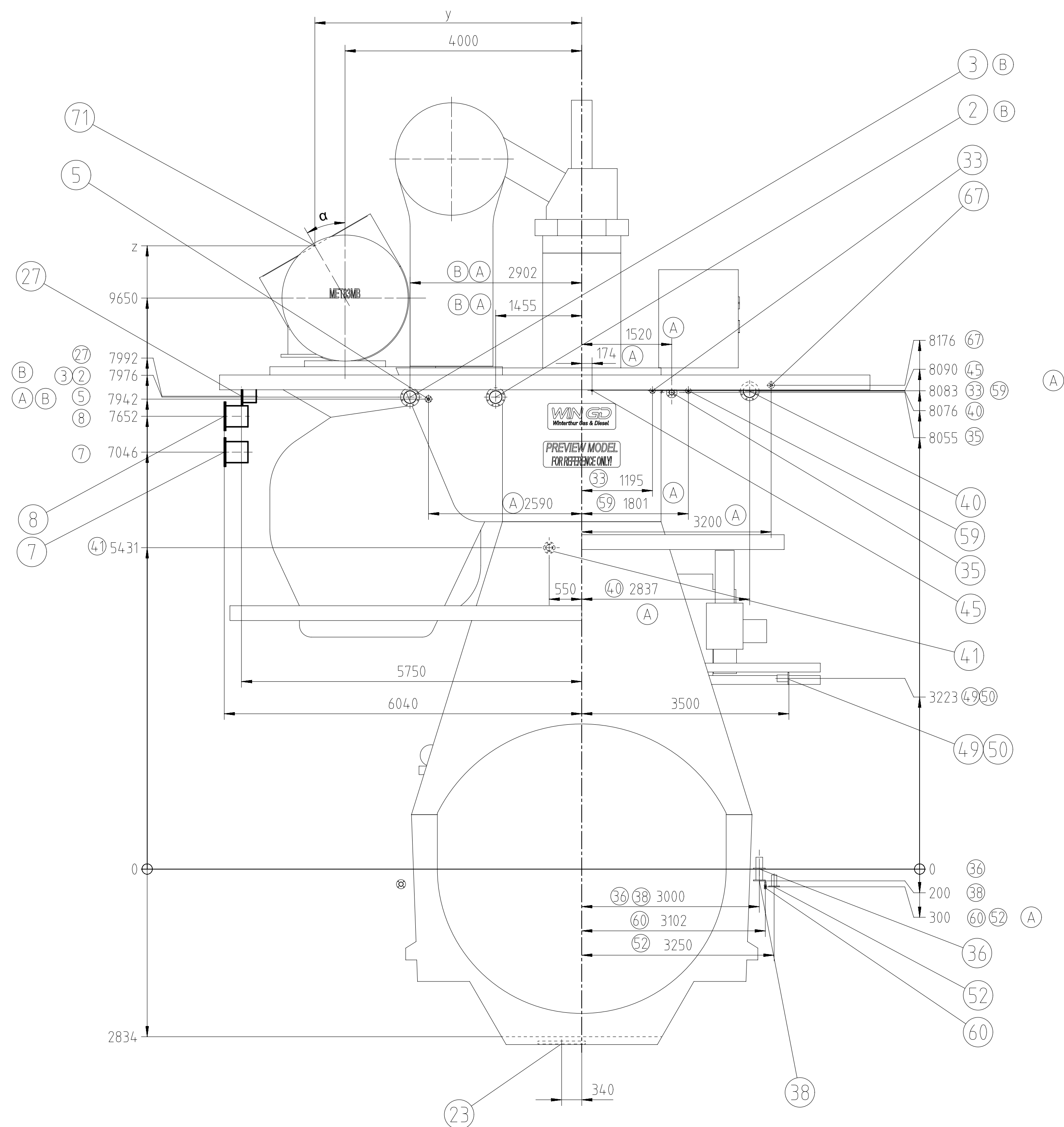
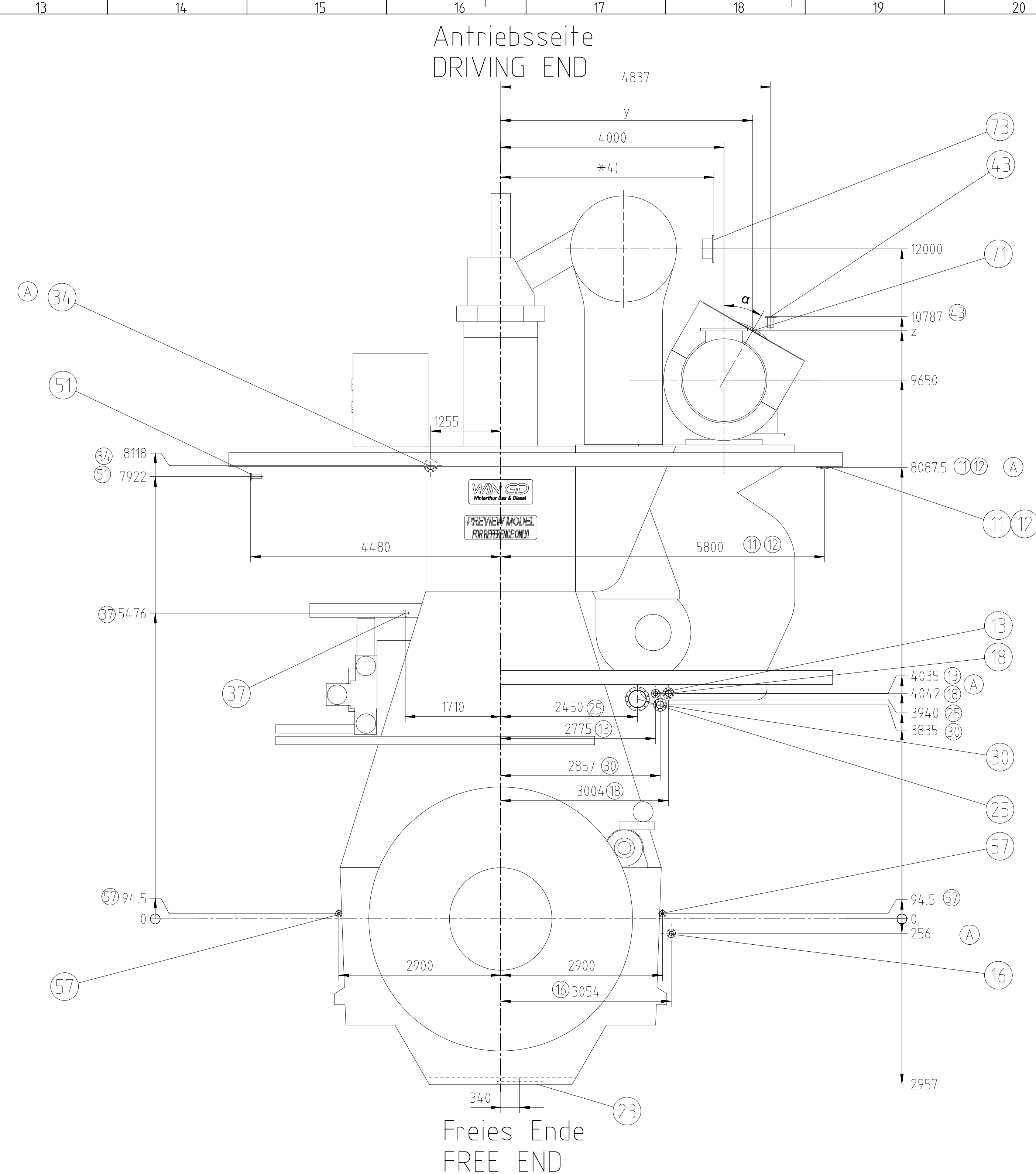
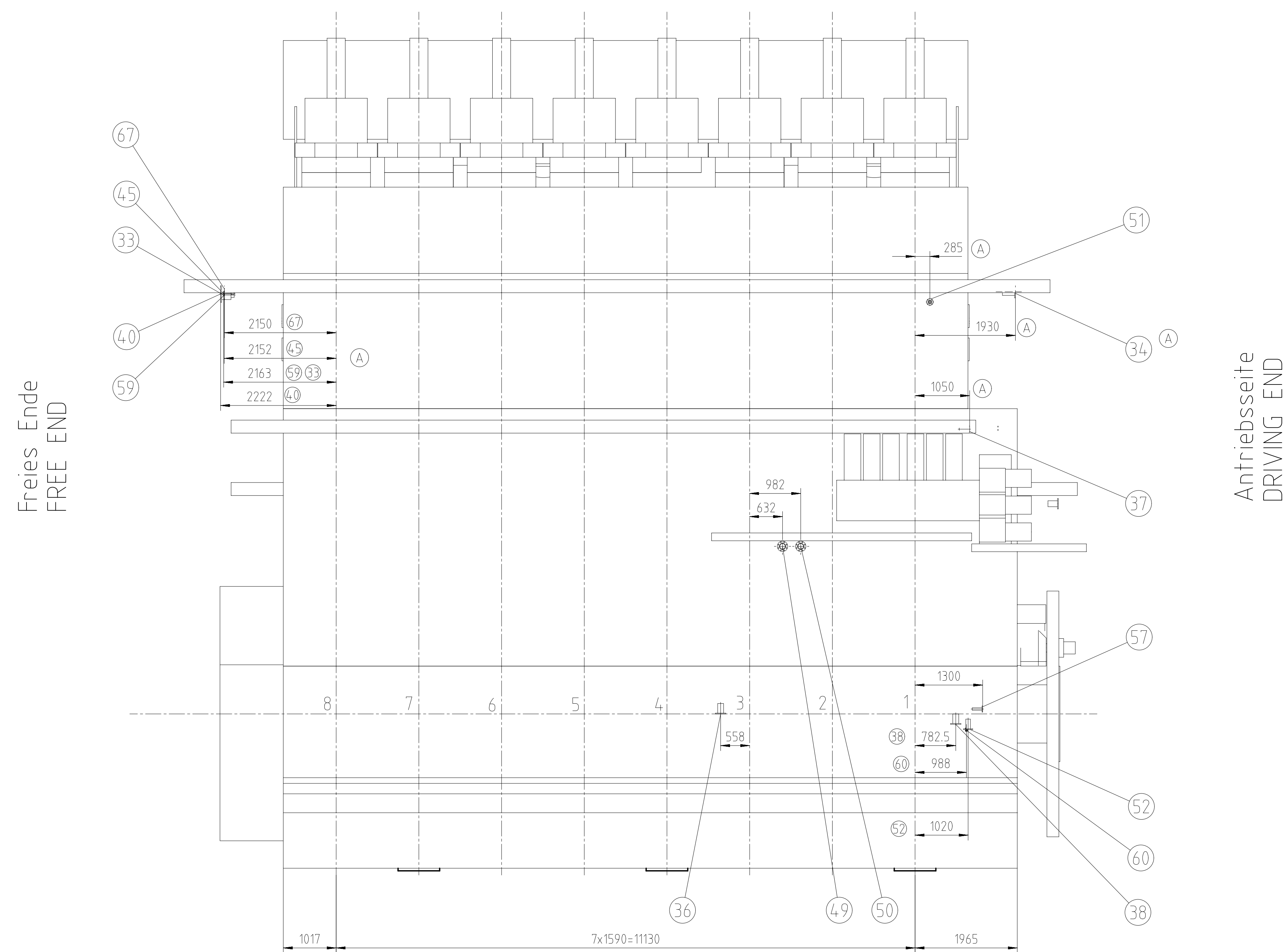
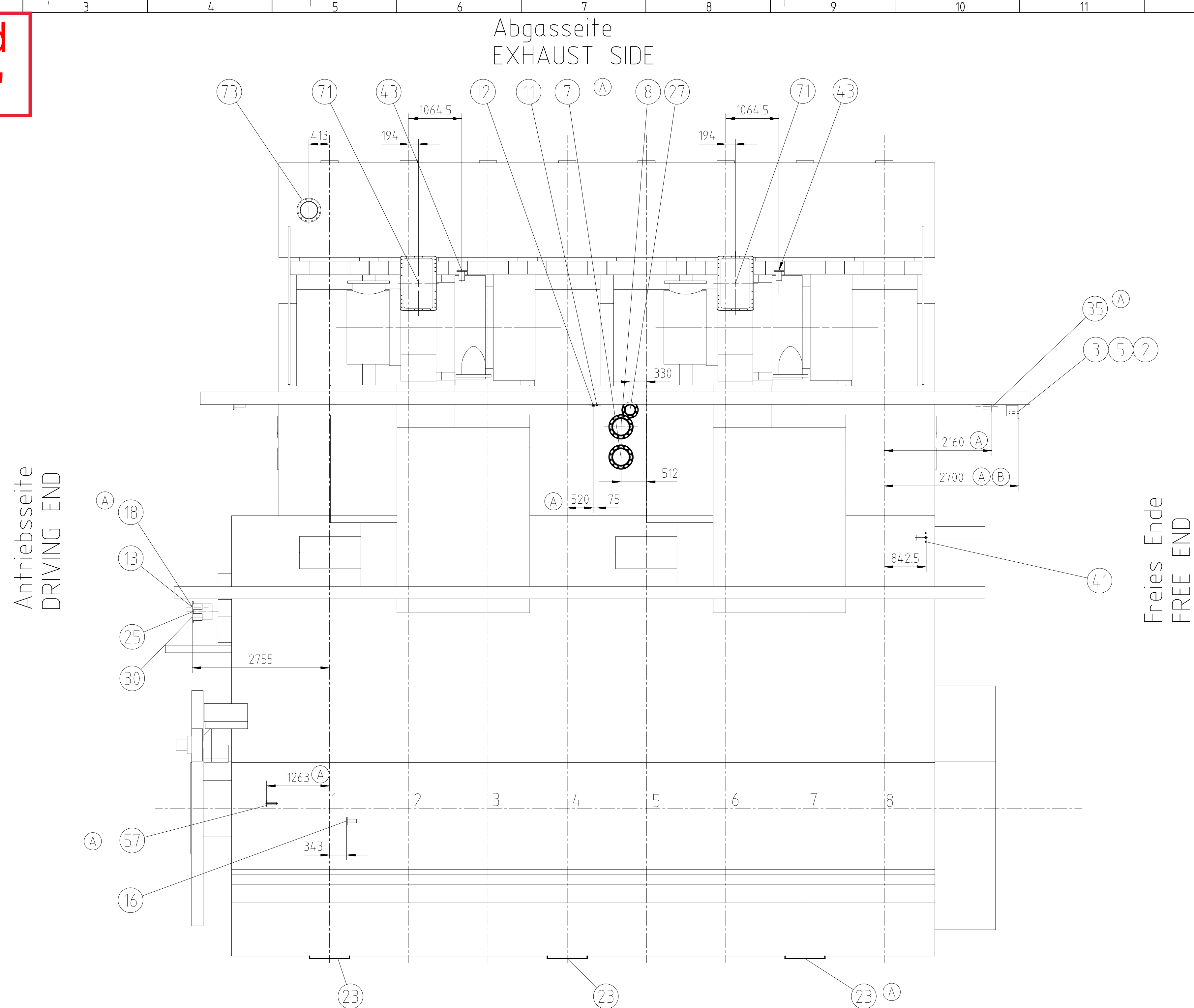



SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	107.390.729.500	FLANGE DIMENSIONS				0.001
Prod.	8 X92-B						
Change History							
	B	qyi101	yzh102	09.05.2022	CNAA001851	Yard Connection updated	4 3
	A	zta101	yzh102	05.08.2021	CNAA000402	drawing updated	3 2
	-	zta101	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 &amp; Diesel</div>				PIPE CONNECTION PLAN			
Bill Of Material				Dimension			
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				Main Design	Yes	Design Group 8020 Q-Code XXXXX	Standard WDS
				Qty per	Engine	A4 Item ID PAAD371242	BOM Page/s 01/01

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

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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 Werflanschlusses 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 Endauflage 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)
- \*4) SEE DAAD116127

Internes TL Oelsystem  
INTERNAL TC OIL SYSTEM  
2xMET83-MB

[illegible]



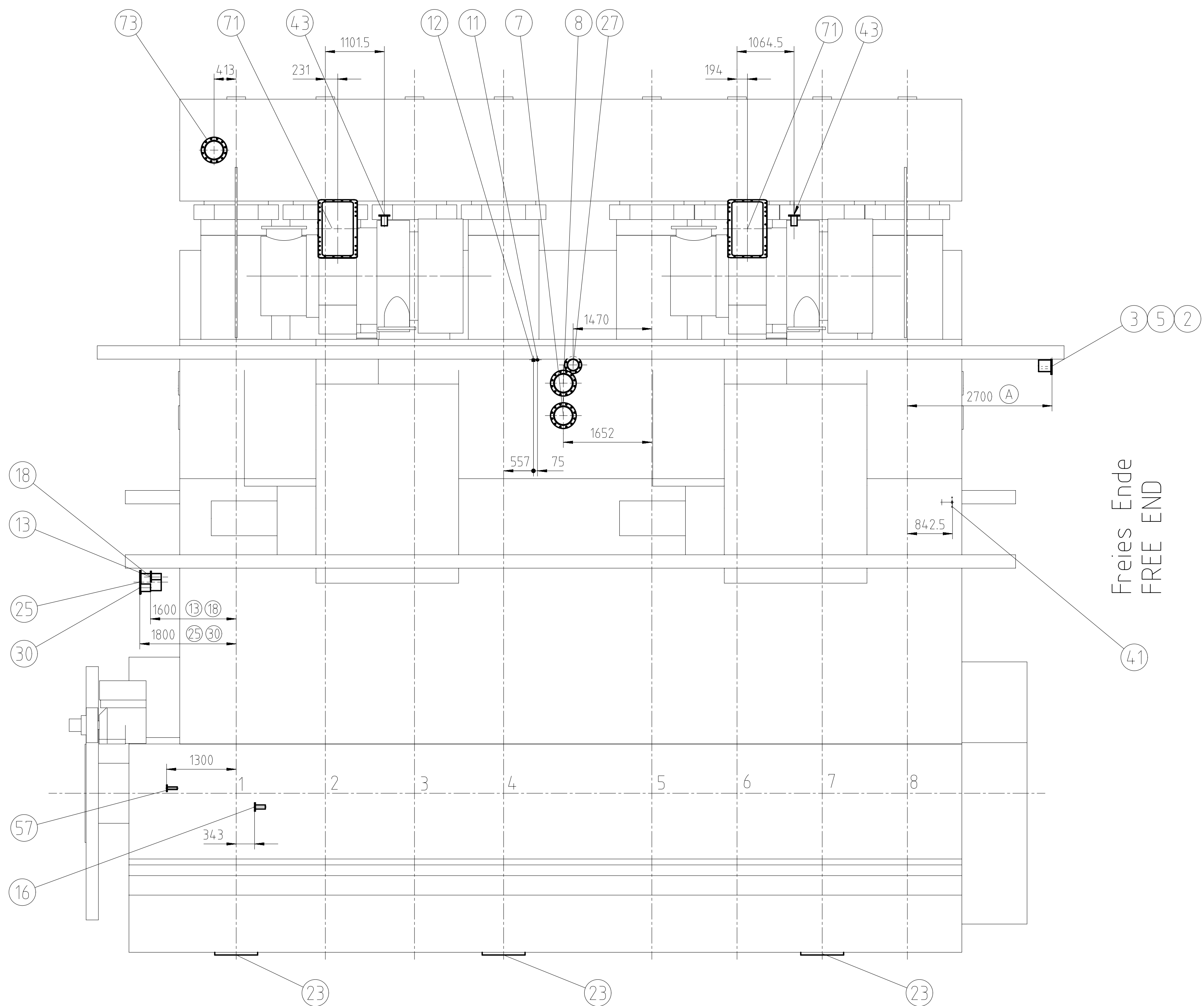


SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	107.390.729.500	FLANGE DIMENSIONS				0.001
Prod.	8 X92-B						
Change History							
	A	qyi101	yzh102	09.05.2022	CNAA001851	Yard Connection updates	4 3
	-	zta101	yzh102	30.06.2021	CNAA000228	main drawing introduced	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
<div>WIN GD</div> <div>Winterthur Gas &amp; Diesel</div>			PIPE CONNECTION PLAN				
Bill Of Material			Dimension				
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			Main Design	Yes	Design Group	8020 Q-Code XXXXX	Standard WDS
			Qty per	Engine	A4	Item ID PTAA002470	BOM Page/s 01/01

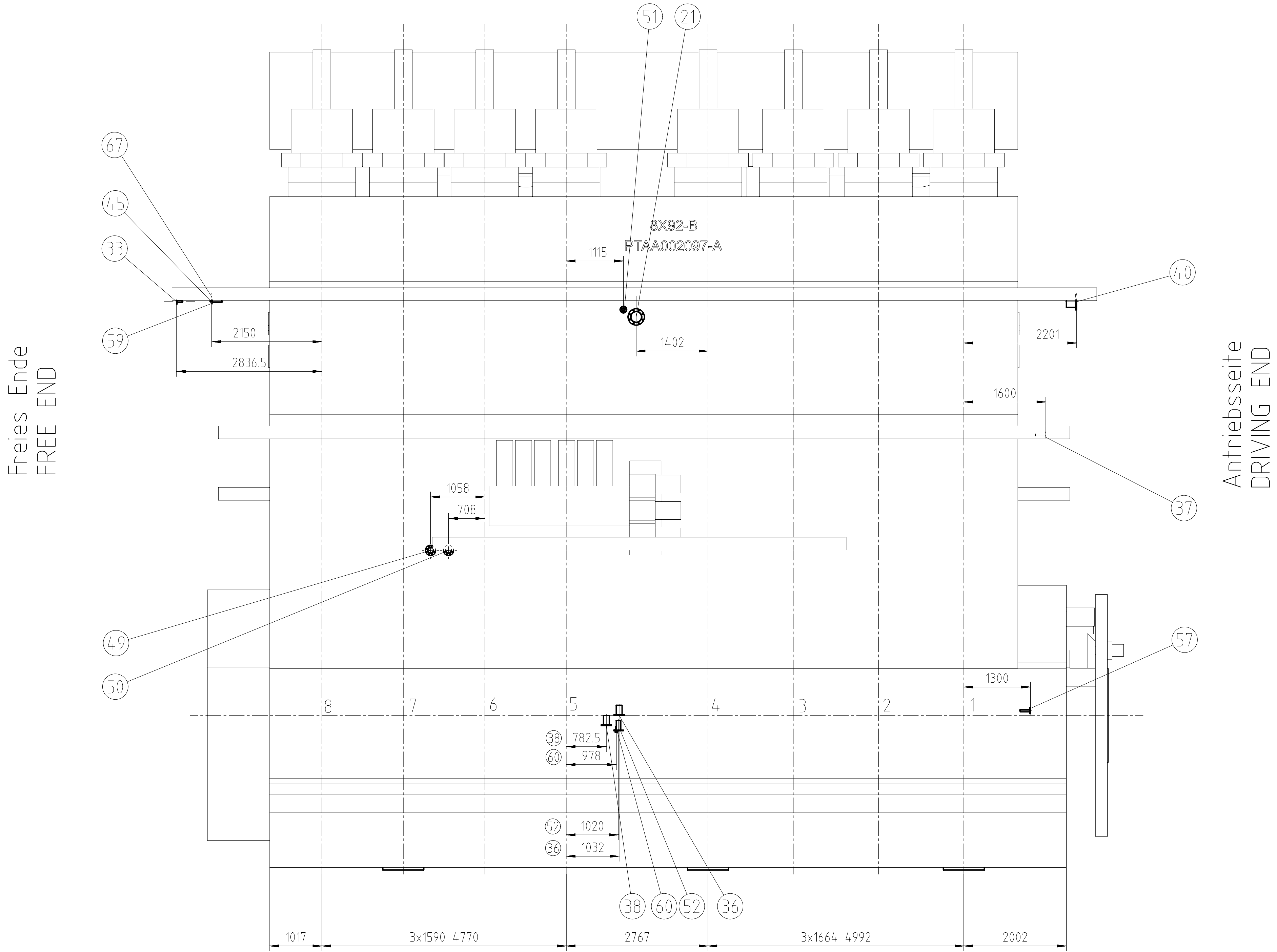


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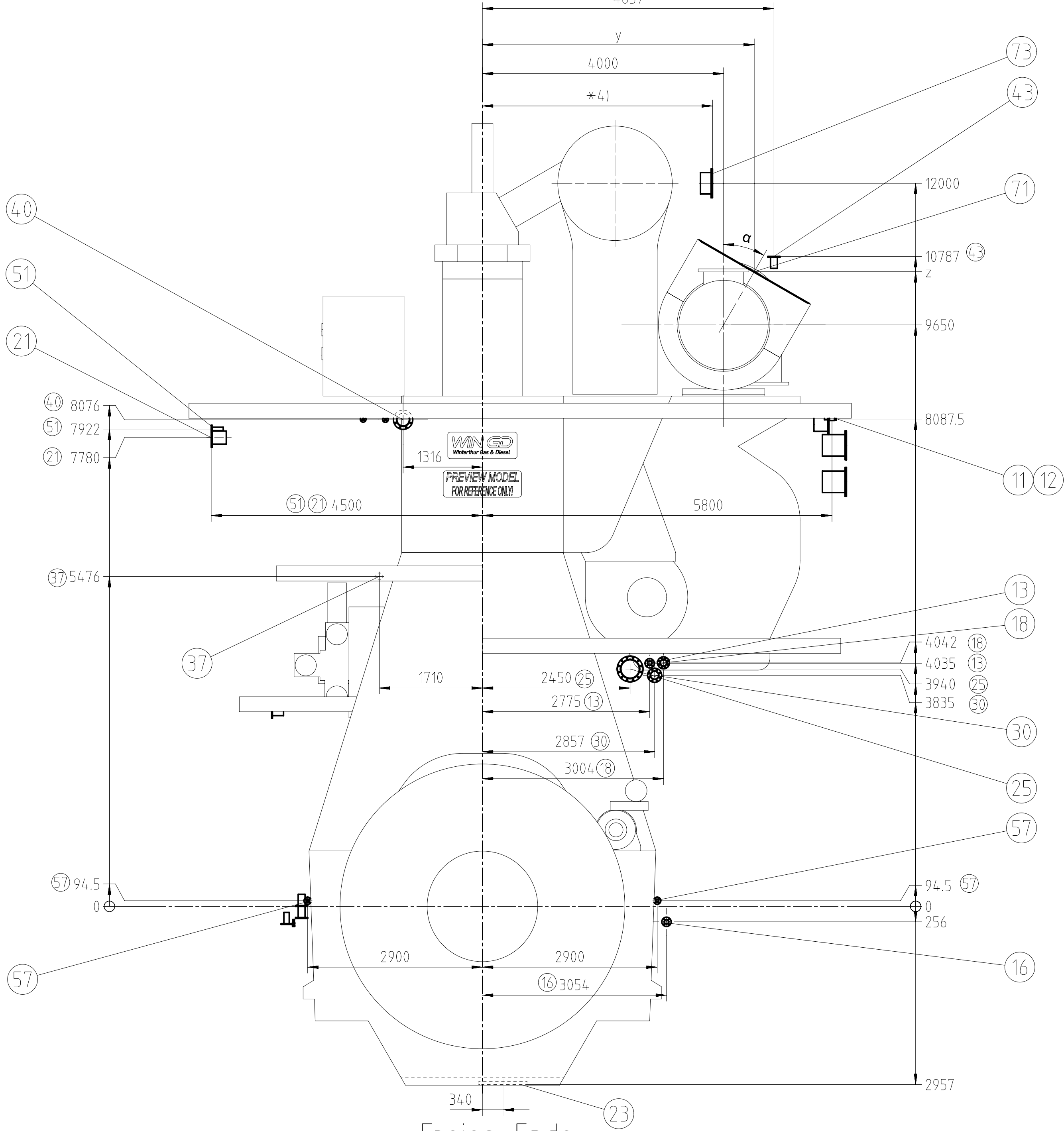
Antriebsseite  
DRIVING END



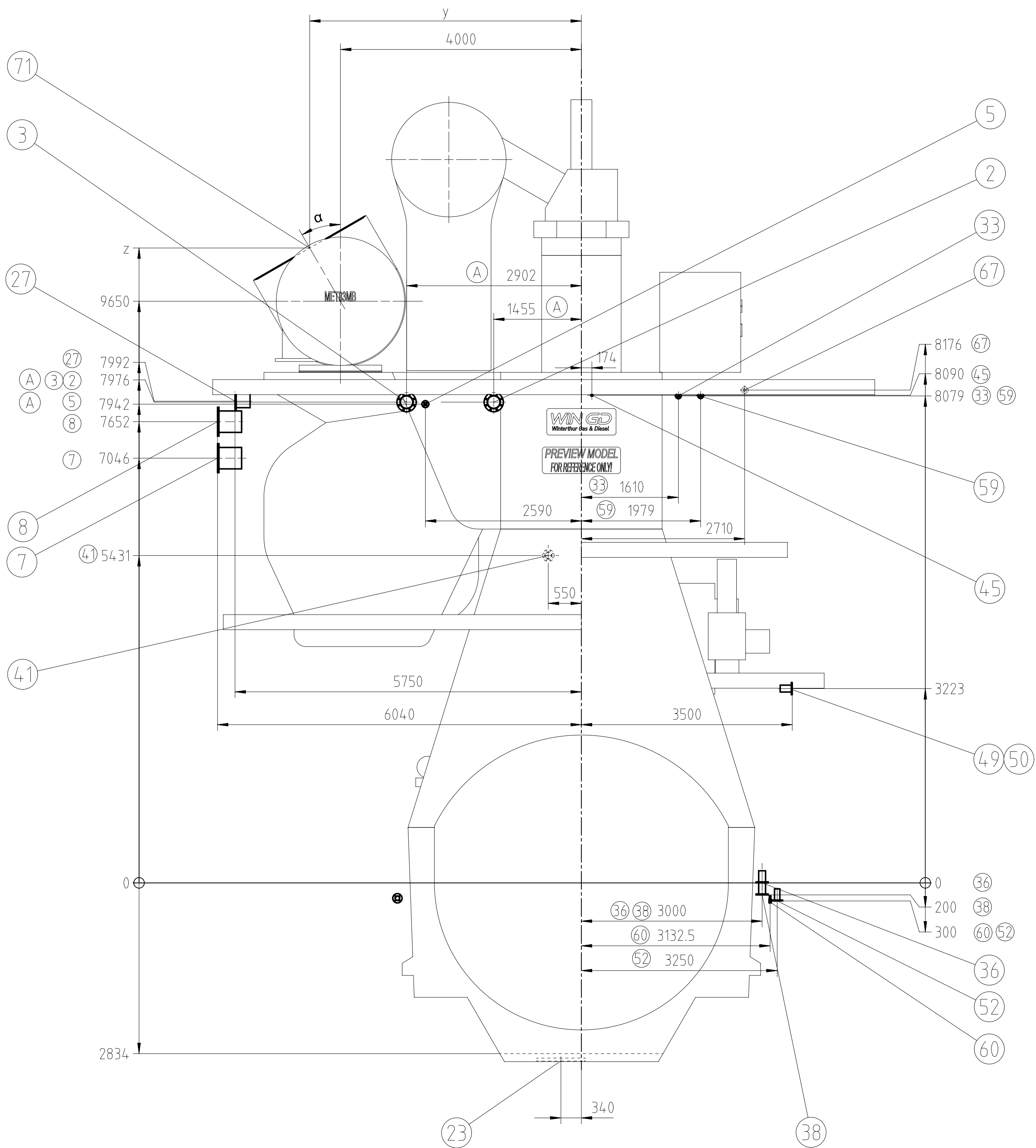
Brennstoffseite  
FUEL SIDE



Antriebsseite  
DRIVING END



Freies Ende  
FREE END



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

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AND RELATED DETAIL DESIGN.  
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Alle Flanschanschlüsse 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  
SCREWED CONNECTIONS ARE SUPPLIED COMPLETE

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

Internes TL Oelsystem  
INTERNAL TC OIL SYSTEM  
2xMET83-MB

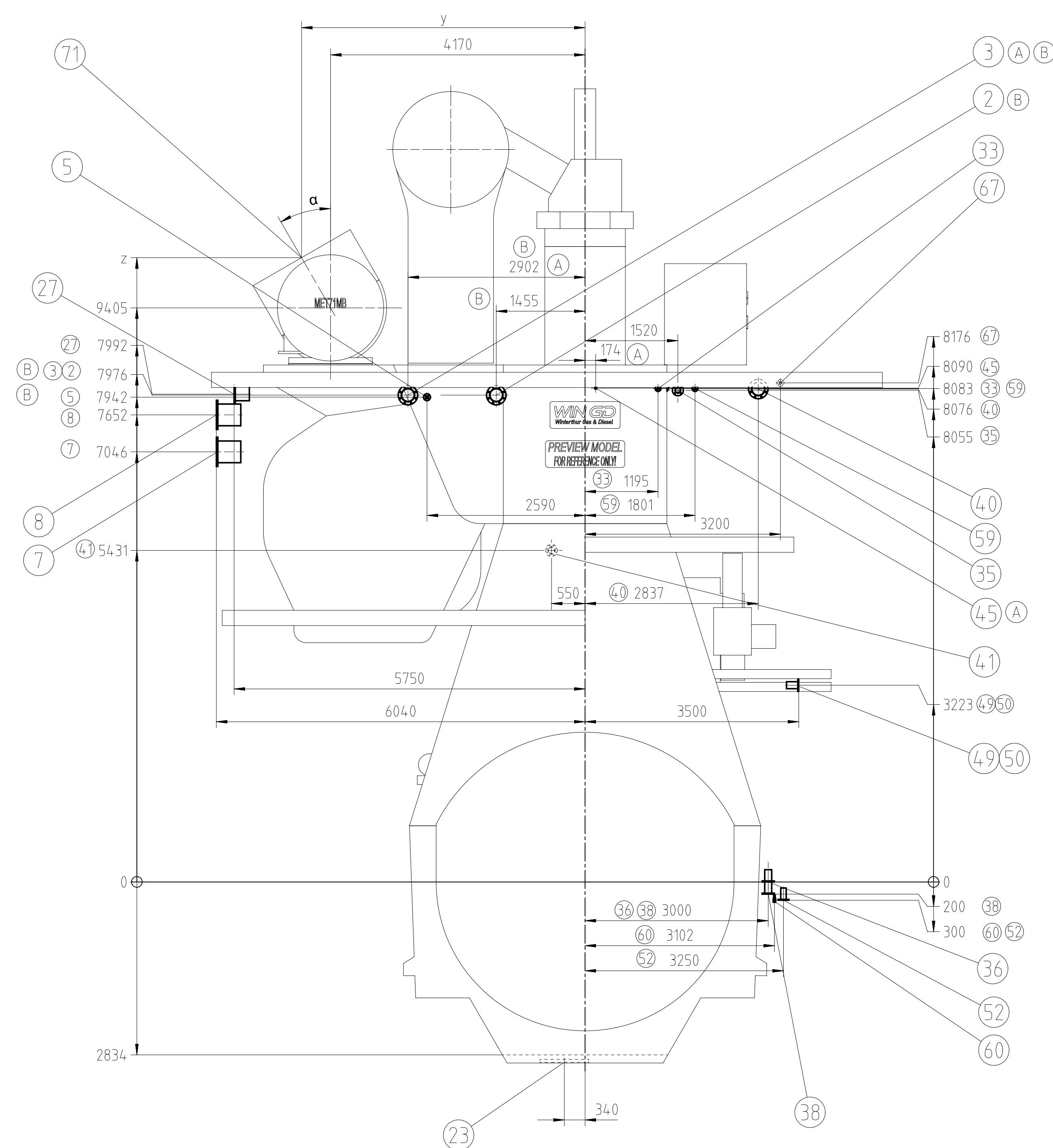
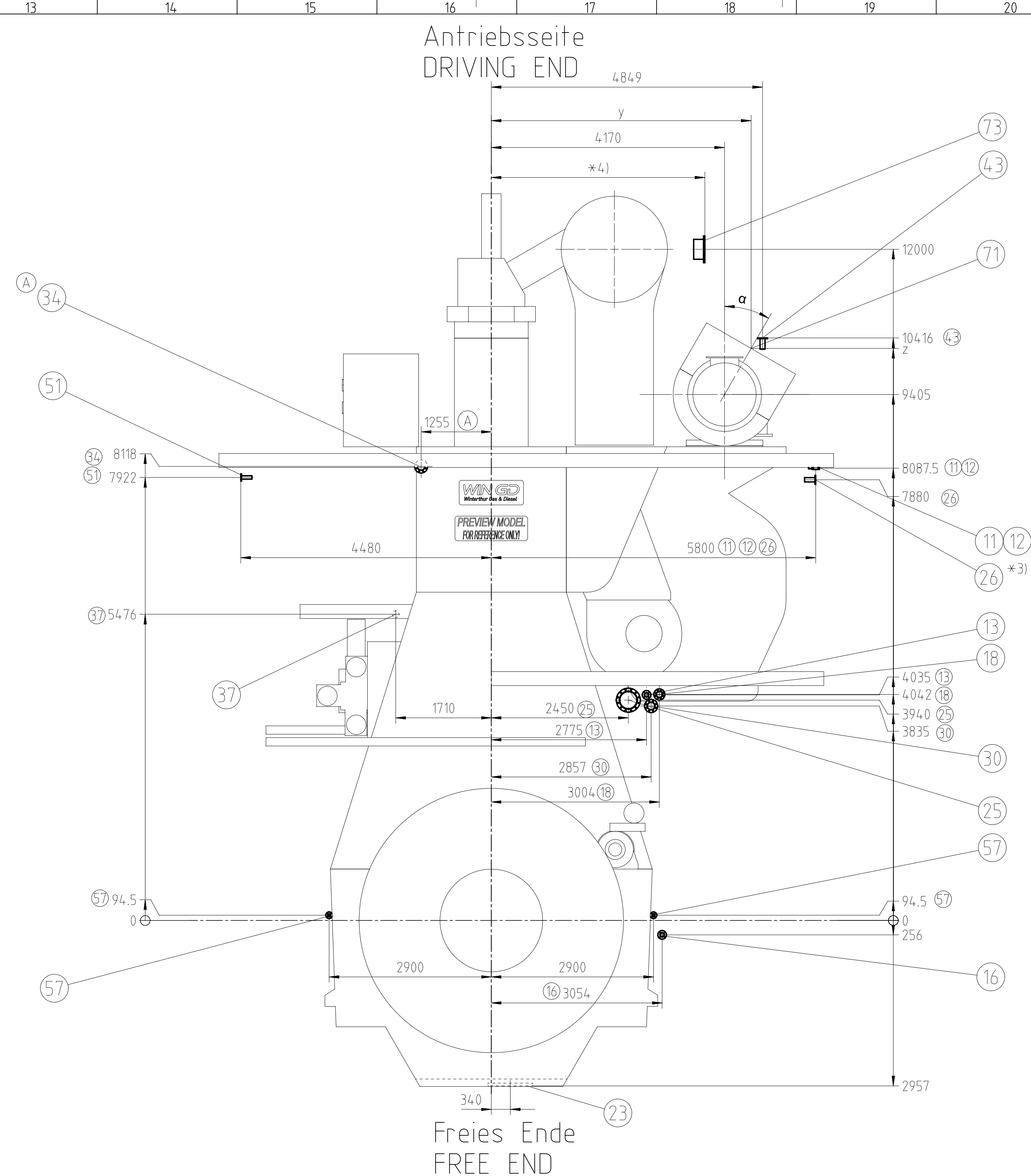
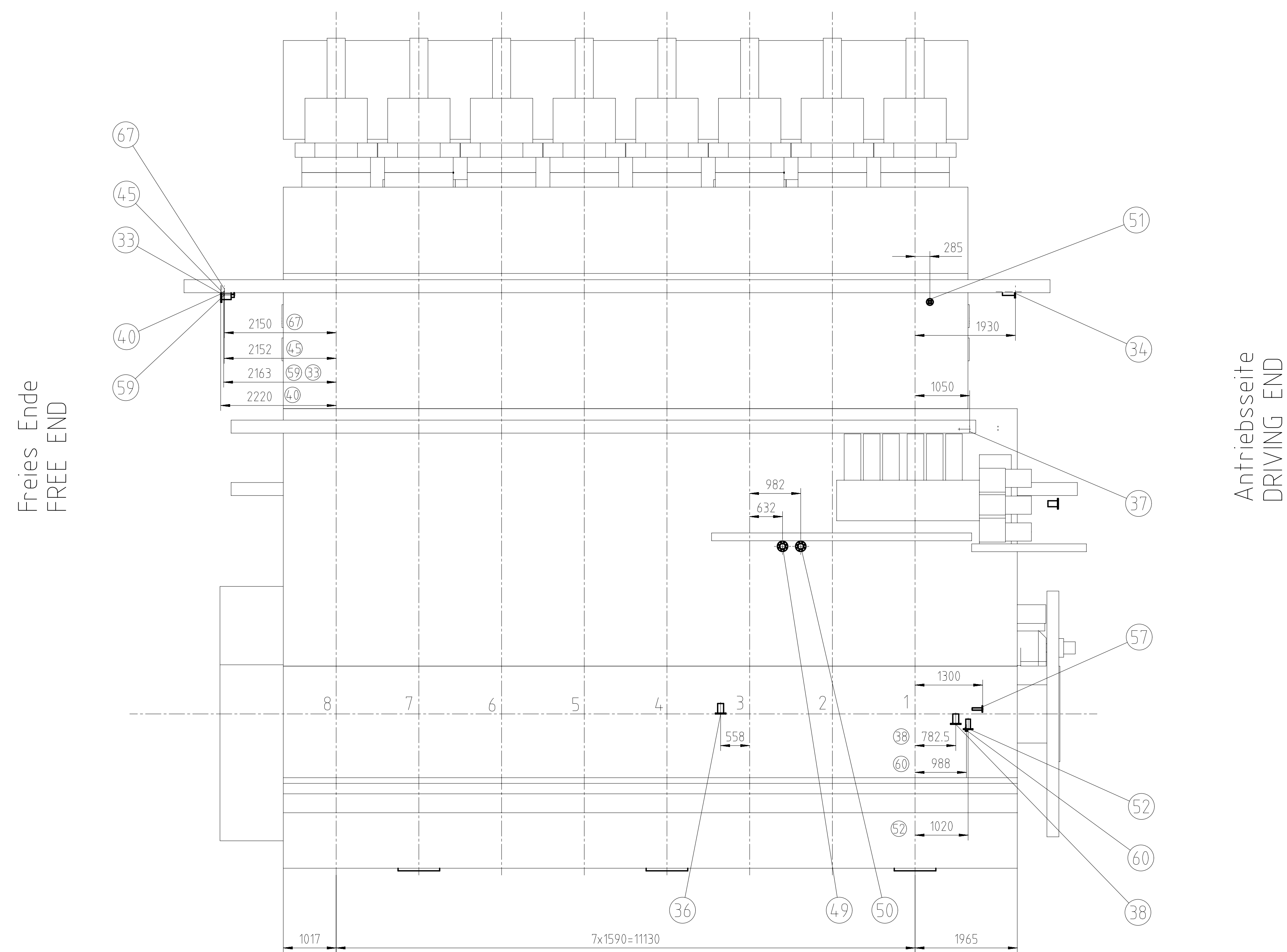
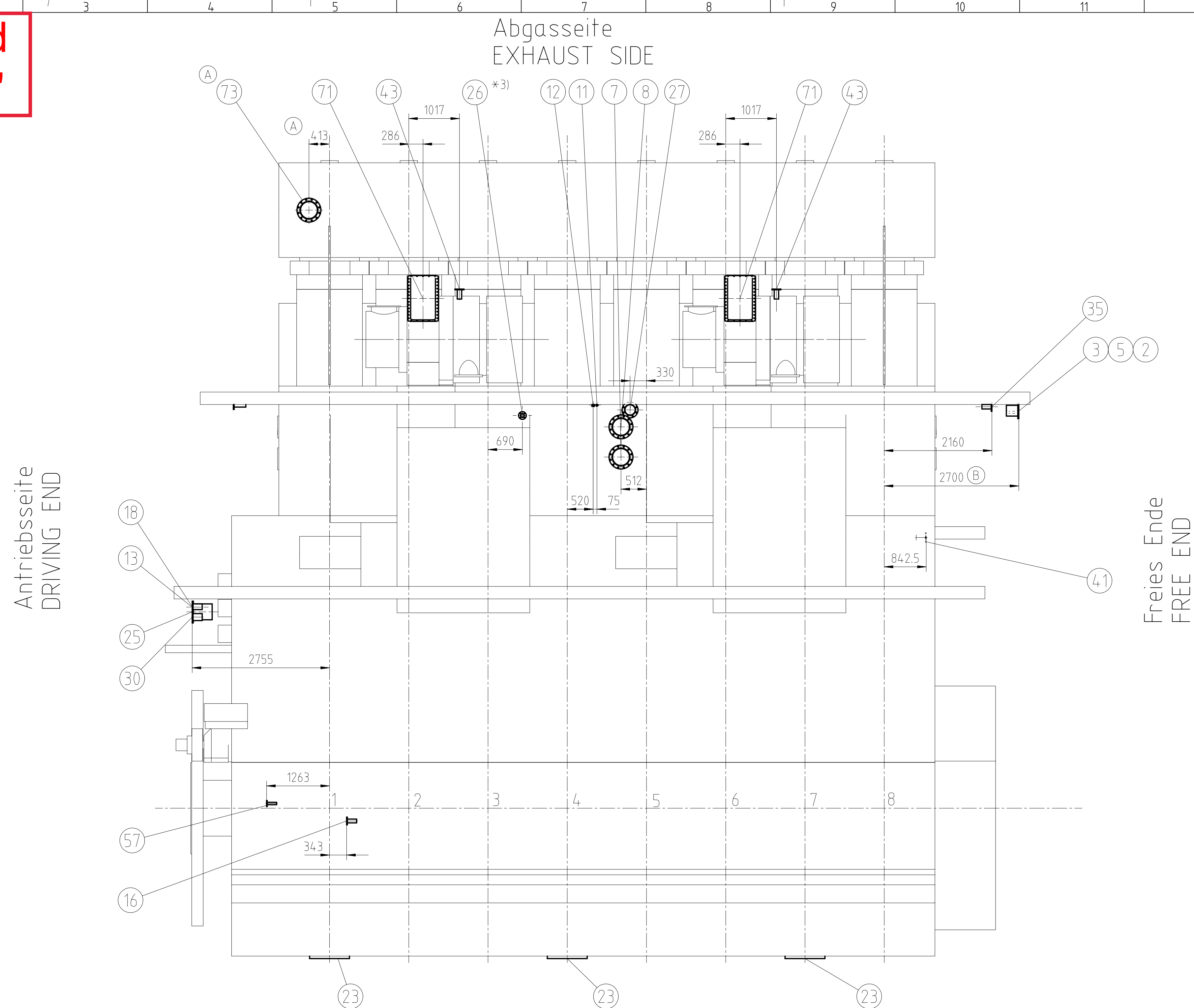
6X92-B											
Change History											
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	-	zta01	yzh02	30.06.2021	CNA000228	main drawing introduced			-	-	
Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis			Approved	Activity Code	E	C
<div>WIN GD Winterthur Gas &amp; Diesel</div>											
PIPE CONNECTION PLAN											
separate BOM available											
Scale 1:50		Units [mm] [kg]		Basic Material		Net Weight		0.001			
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Qty per		Engine		A0		Item ID		PTAA002470		Drawing Page/s	
										1/2	






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.	8 X92-B						
Change History							
	B	qyi101	yzh102	09.05.2022	CNAA001851	Yard Connection updated	4 3
	A	zta101	yzh102	05.08.2021	CNAA000402	drawing updated	3 2
	-	zta101	yzh102	30.06.2021	CNAA000228	main drawing introduced	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
<div>WIN GD</div> <div>Winterthur Gas &amp; Diesel</div>				PIPE CONNECTION PLAN			
Bill Of Material				Dimension			
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				Main Design	Yes	Design Group 8020 Q-Code XXXXX	Standard WDS
				Qty per	Engine	A4 Item ID PAAD379402	BOM Page/s 01/01

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Gasaustritt-Stellung GAS OUTLET POSITION 	Y	Z
0°	4170	10425
15°	4434	10390
30°	4680	10288
45°	4891	10126





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 AND RELATED DETAIL DESIGN.  
 THIS PIPE CONNECTION PLAN MAY NOT BE USED FOR FINAL DESIGN!

Alle Flanschschnellschüsse am Motor sind mit Gegenflanschen  
 versehen. Blindflansche müssen so beschaffen sein, dass der  
 Gasaustritt am Turbulador. Die Blindflansche sind nach dem be-  
 treffenden Rohrdurchmesser des Werfflanschs aufzubohren.  
 THE PIPE CONNECTIONS ON THE ENGINE ARE SUPPLIED  
 WITH MATCHING FLANGES. BLIND FLANGES FOR 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 Endauflage 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)
- \*4) SEE DAAD116127

2xMET71-MB

Print	XXXX-B							
Change History	B	qiy101	yqh102	09.05.2022	CMA0010851	Yard Connection updated	4	3
	A	zta101	yqh102	05.08.2021	CNA0000001	drawing updated	3	2
		- zta101	yqh102	30.06.2021	CNA0000228	main drawing introduced	3	1
Rev	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E
 Winterthur Gas & Diesel		PIPE CONNECTION PLAN						
separate BOM available						Dimension		
Scale: 1:50   						Unit: [mm] [kg]		
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Main Qty per Design Engine						Item ID PAAD3794.02		
Net Weight 0.00						Standard W01		
Drawing Page:						1/1		






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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					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 <b>W-2S</b>				Flange Dimensions										
Made	19.09.2007	N. Brand				Main Drw.	Page 1 / 1	Material ID <b>107.390.729.500</b>								
Chkd	27.09.2007	M. Frei				Design Group <b>8020</b>	Drawing ID <b>107.390.729</b>	Rev <b>A</b>								
Appd	27.09.2007	B. Haag														



## WinGD-8X92-B \_Pipe Connection Plan

### TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-05-23	DRAWING SET	First web upload.
2021-09-15	PAAD371242 PAAD379402 PTAA002470	Revised Pipe connection plan for Turbocharger Type 2xMET 83MB has been updated. New Pipe connection plan for Turbocharger Type 2xMET 71MB & 2xMET 83MB have been added.
2022-05-27	PAAD371242 PAAD379402 PTAA002470	Revised Pipe connection plan for Turbocharger Type 2xMET 71MB & 2xMET 83MB have been added.

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