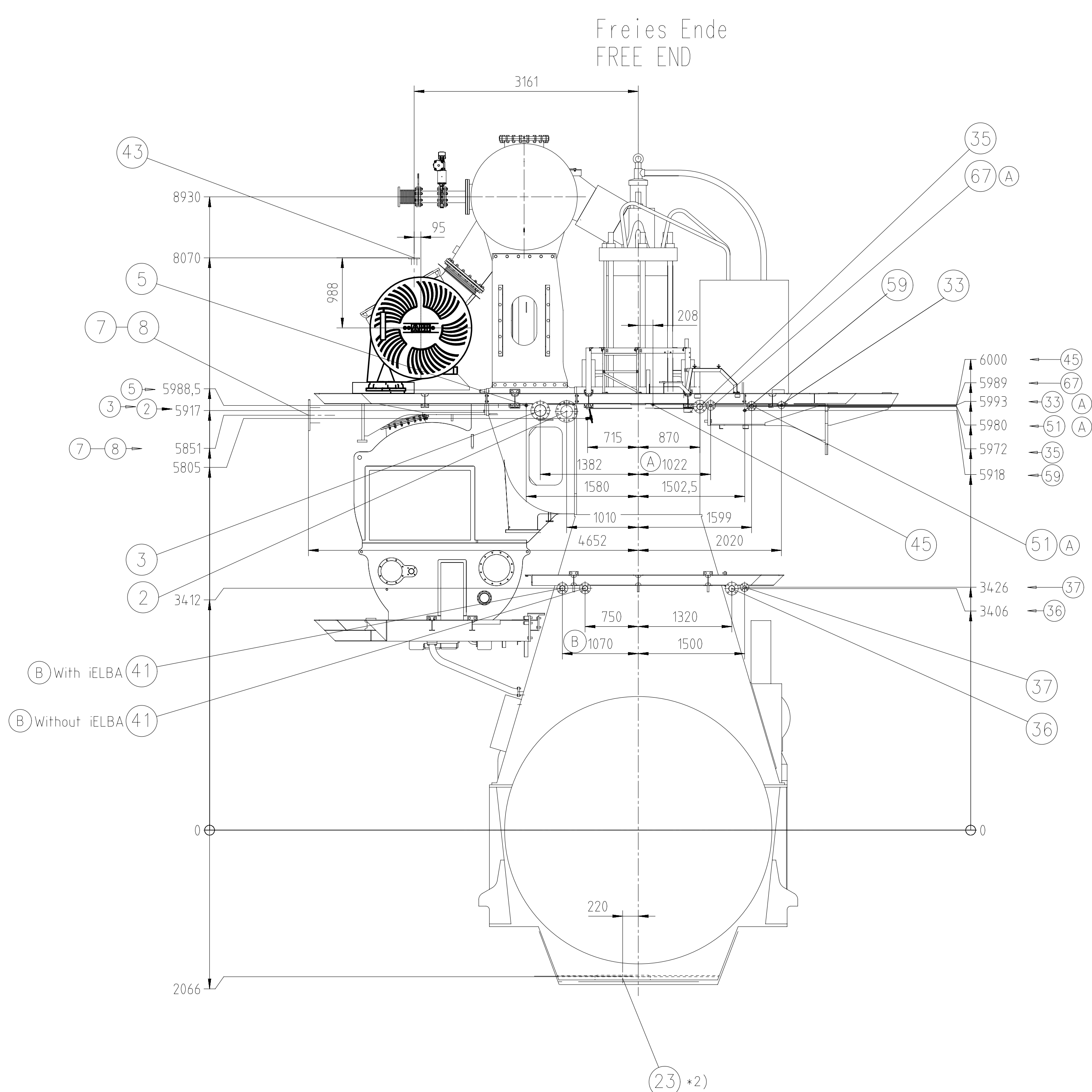
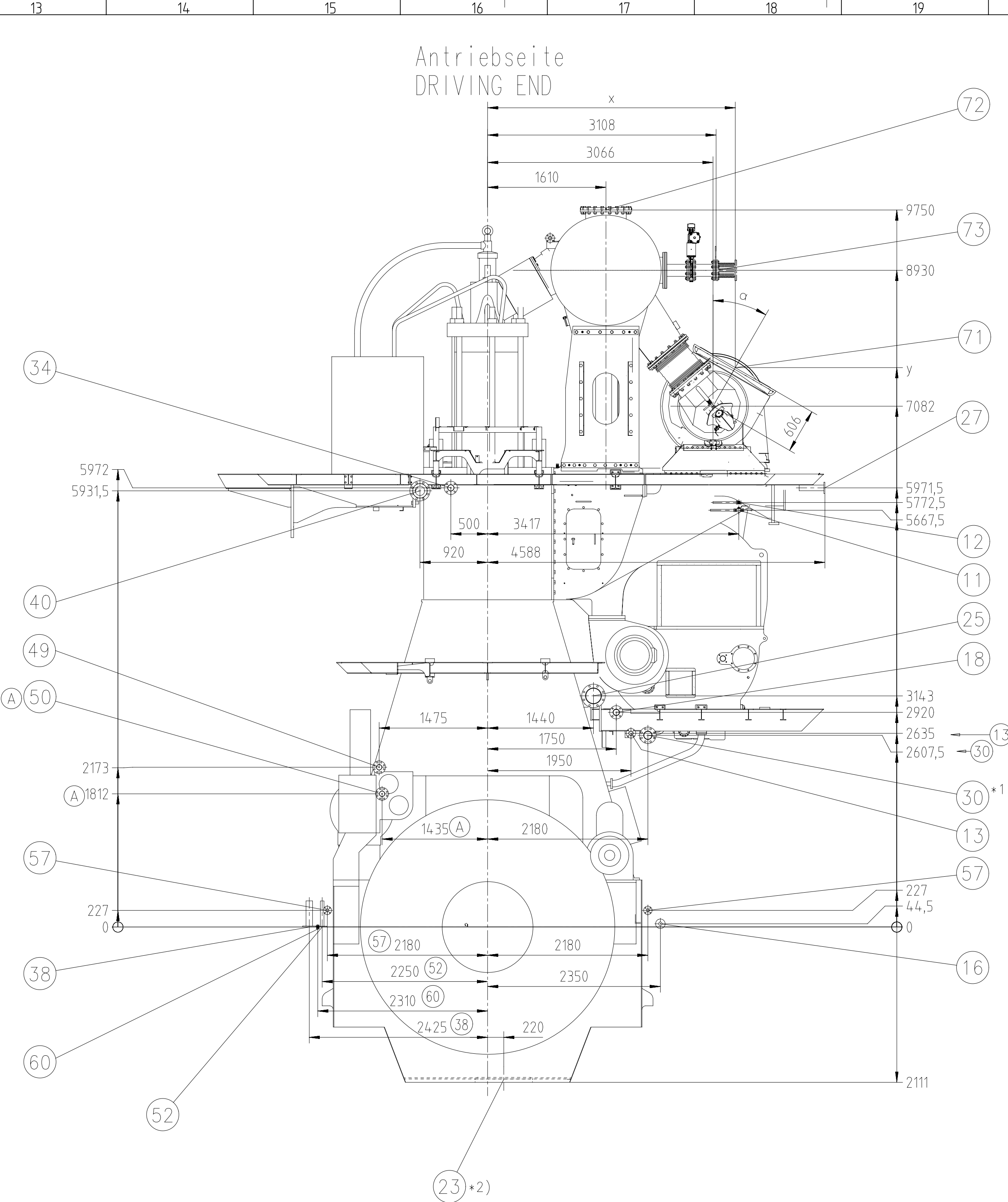
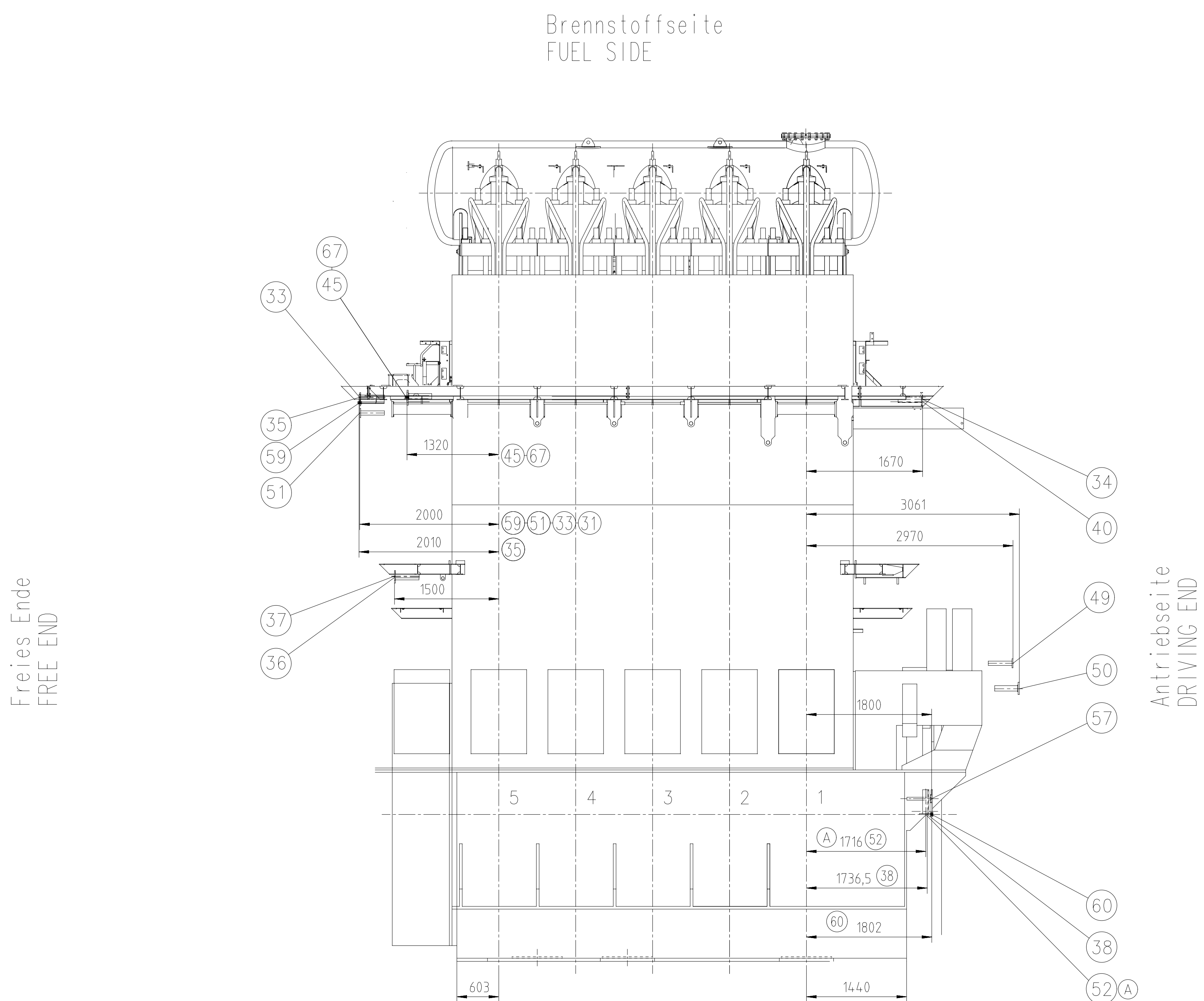
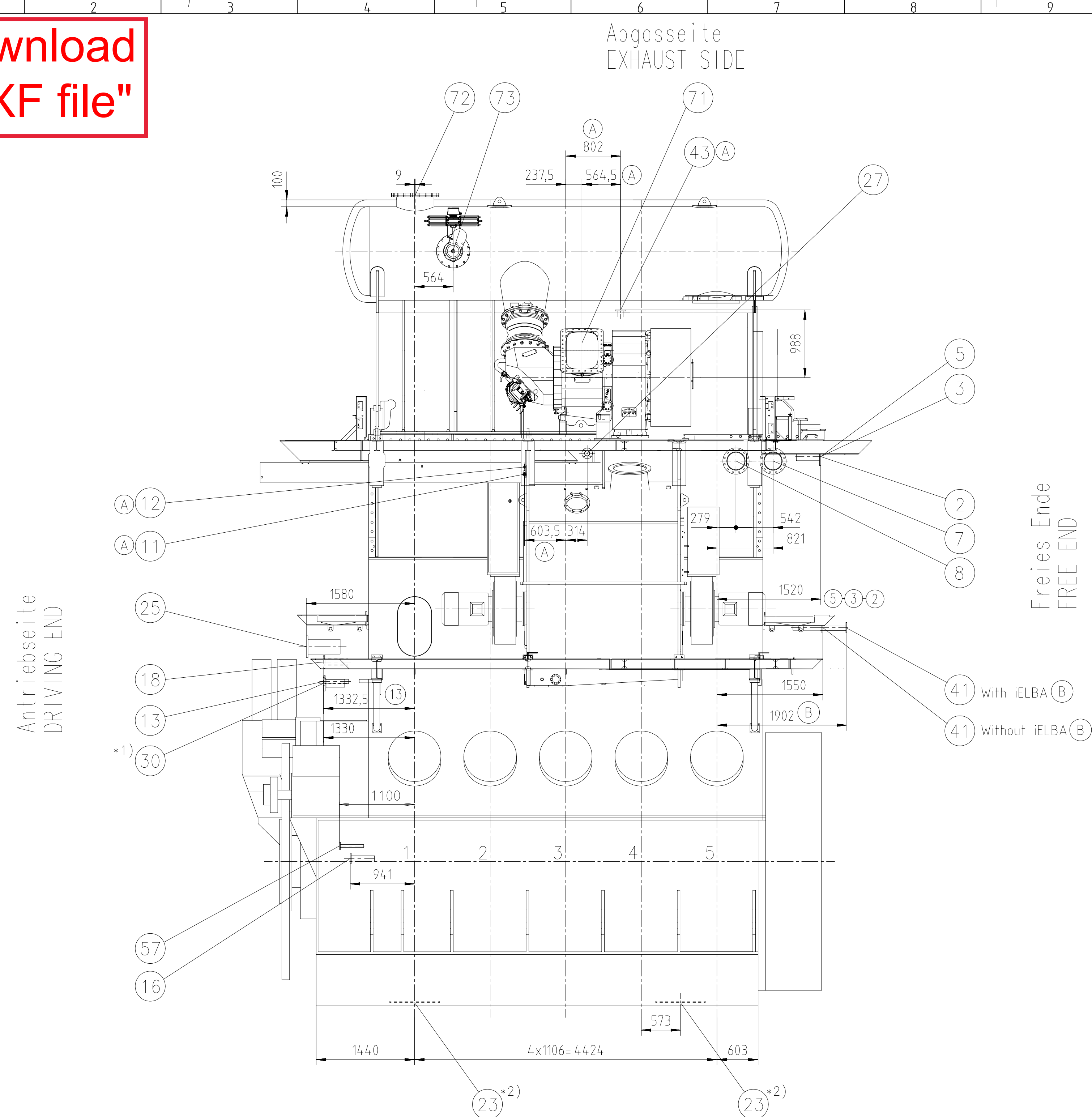


SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	1	107.390.729.500	FLANGE DIMENSIONS				0.001
Prod.	5 X62-B						
Change History							
	B	dsh101	rfl002	21.03.2022	CNAA000474	Yard connection dimension added for iELBA(DG-8608)	4 3
	A	ssh102	sth017	30.04.2021	EAAD096528	Legacy information. See corresponding ChangeNotice	4 3
	-	jpr101	sth017	02.03.2021		-	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
WIN GD Winterthur Gas & Diesel				PIPE CONNECTION PLAN PAAD286085			
Bill Of Material				Dimension			
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				Main Design	Yes	Design Group 8020 Q-Code XXXXX	Standard JIS
				Qty per	Engine	A4 Item ID PAAD361136	BOM Page/s 01/01

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"DXF file"



Gasaustritt-Stellung GAS OUTLET POSITION 	x	y
0°	3066	7688
15°	3223	7667,5
30°	3369	7607
45°	3494,5	7510,5

- *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) Externale Ausführung (wenn verlangt)
EXTERNAL EXECUTION (IF REQUIRED)

Alle Flanschanschlüsse am Motor sind mit Gegenflanschen versehen (Blindflansche), ausgenommen der Anschluss fuer den Gasaustritt am Turbolader. Die Blindflansche sind nach dem betreffenden Rohrdurchmesser des Werftflansches 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

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

1 x A170/A270

Internes TL Oelssystem
INTERNAL TC OIL SYSTEM

Print		5X62-B									
Change History	B	dsb101	rf1002	21.03.2022	0H40000474	Yard connection dimension added for iELBA-IDG=6(8)0				4	3
	A	ssh102	ssh102	30.04.2021	EAA0YH6528	Legacy information. See corresponding ChangeNotice				4	3
	-	gr101	ssh107	02.03.2021						-	-
	-									-	-
	Rev	Creator	Approver	ApprovalDate	Change ID	Change Synopsis		Approved		Activity Code	E
WIN GD		PIPE CONNECTION PLAN									
Winterthur Gas & Diesel											
Dimension											
Scale	1:4.0		NX	Units	[mm]	[mm]	Yk	Basic Material	Net Weight		0.001
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Main Design	Design Group	8020	Q-Code	XXXXX	Standard	JIS					
Qty per Unit	Engine	AO	Item ID	PAA4361136		Drawing Papers		1/2			

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

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

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 8020	Drawing ID 107.390.729	Rev A								
Appd	27.09.2007	B. Haag														

WinGD-5X62-B_Pipe Connection Plan

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-05-22	DRAWING SET	First web upload
2022-04-08	PAAD361136	Revised Pipe Connection Plan for Turbocharger type 1 x ABB A170-L/A270-L_JIS has been updated.

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