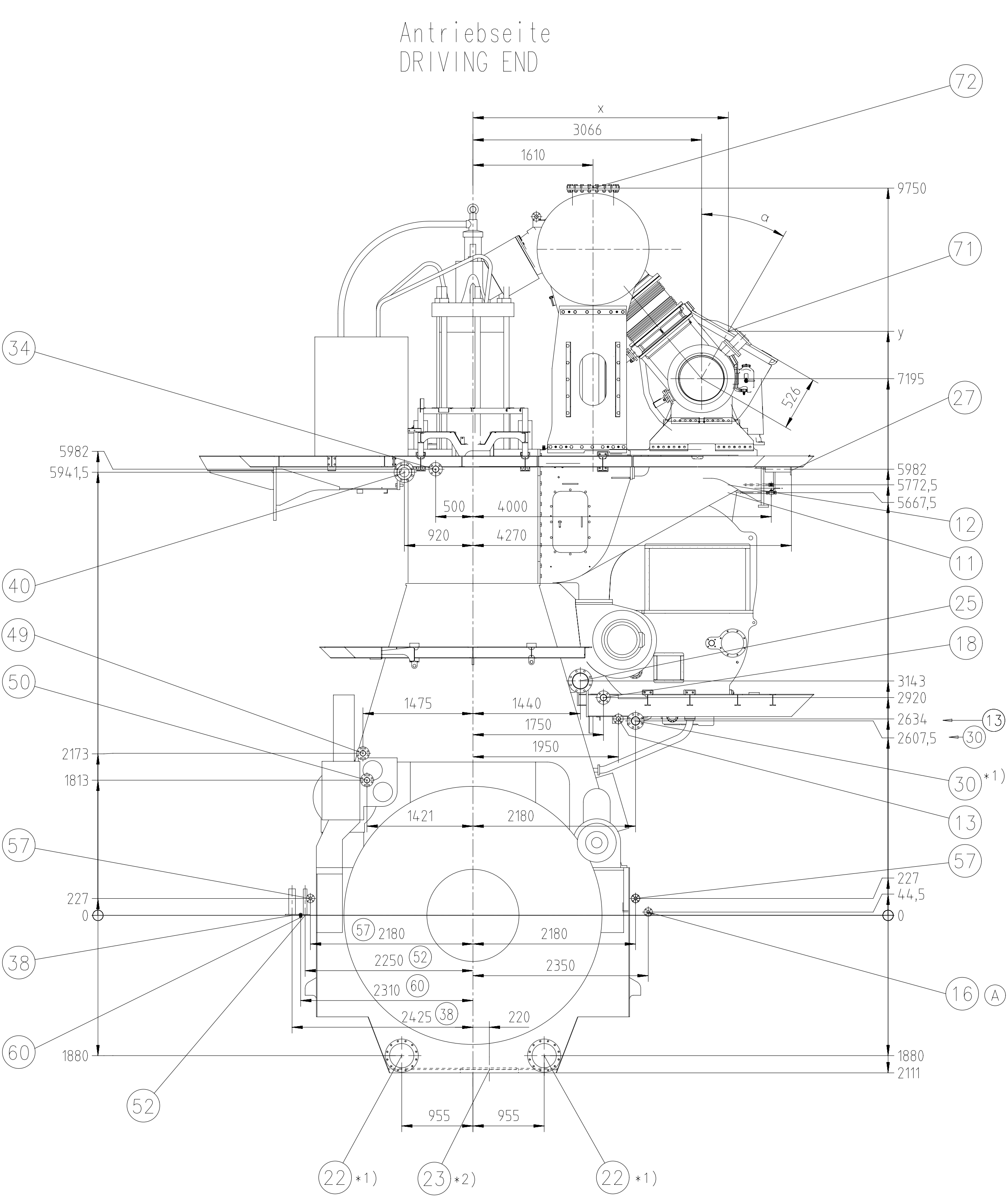
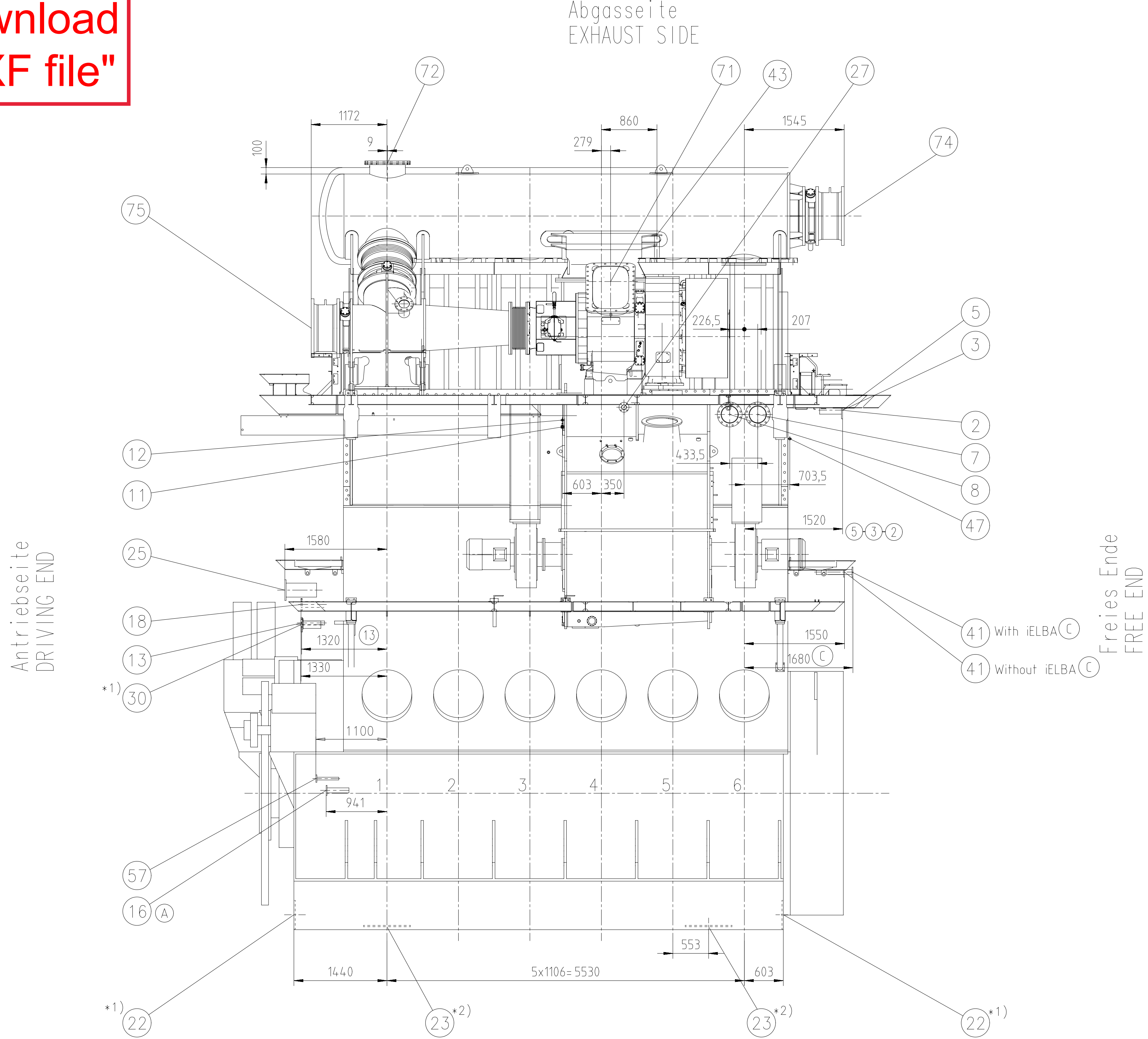


SEQ NO	QTY	Item ID		Item Name		Dimension	Standard-ID	Basic Material		Net Weight				
001	1	107.390.729.500		FLANGE DIMENSIONS						0.001				
Prod.	6 X62-B													
Change History	C	dsh101	rfl002	21.03.2022	CNAA000474	Yard connection dimension added for iELBA(DG-8608)			4	3				
	B	rth101	sth017	20.11.2020	EAAD093529	Legacy information. See corresponding ChangeNotice			4	3				
	A	mor101	mda006	15.02.2019	EAAD090316	Legacy information. See corresponding ChangeNotice			4	3				
	-	zwa101	mda006	11.10.2018		-			-	-				
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis		Activity Code	E	C				
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>				PIPE CONNECTION PLAN PAAD286085										
Bill Of Material				Dimension										
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				Main Design		Yes		Design Group		8020	Q-Code	XXXXX	Standard	ISO
				Qty per		Engine		A4	Item ID		PAAD307912		BOM Page/s	01/01

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Gasaustritt-Stellung GAS OUTLET POSITION	x	y
0°	3066	7721
15°	3202	7702
30°	3329	7650
45°	3438	7567

- *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) ONLY FOR INTEGRATED CYL. LUBRICATION
AUTOMATIC TRANSFER (icat)

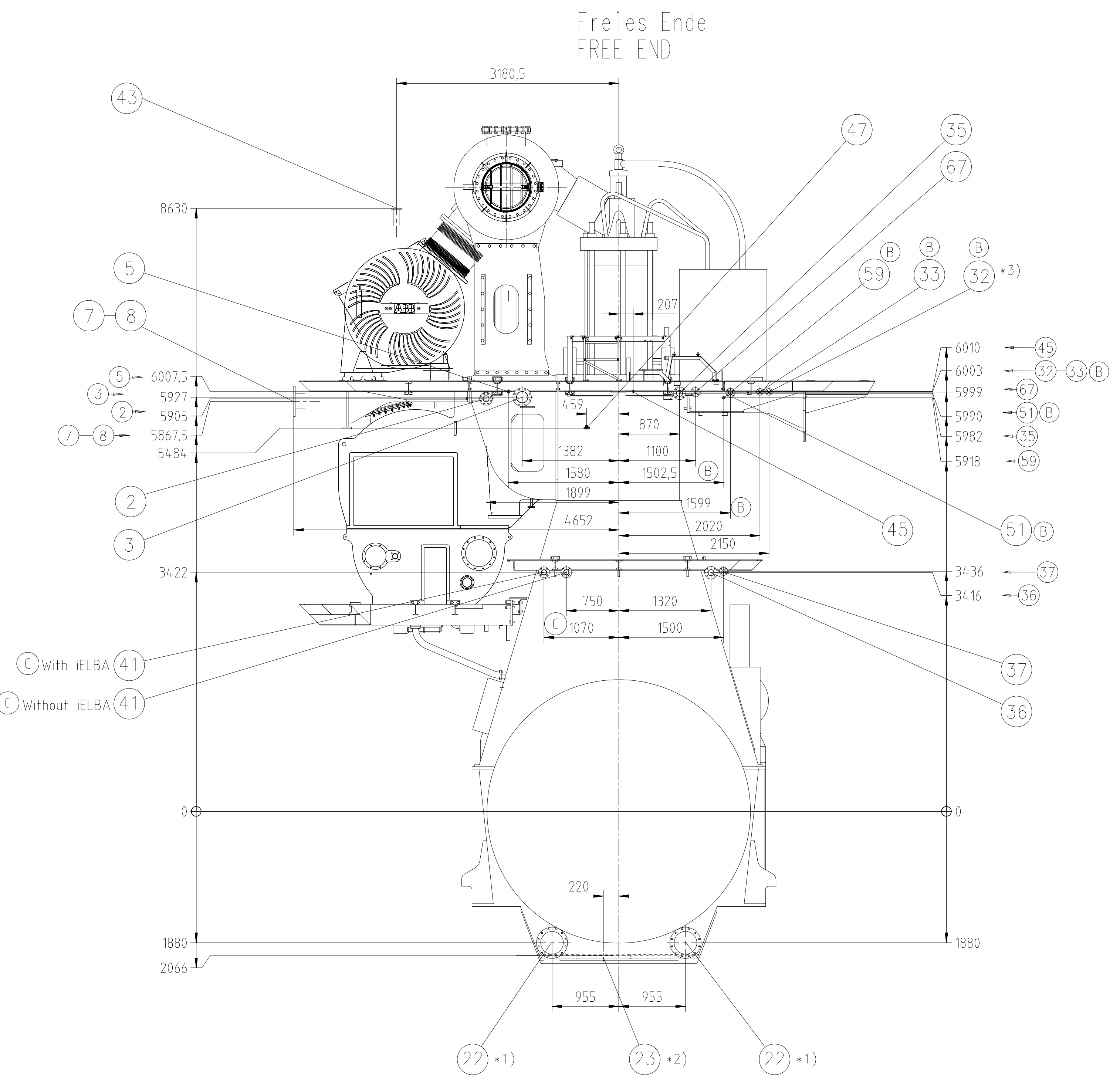
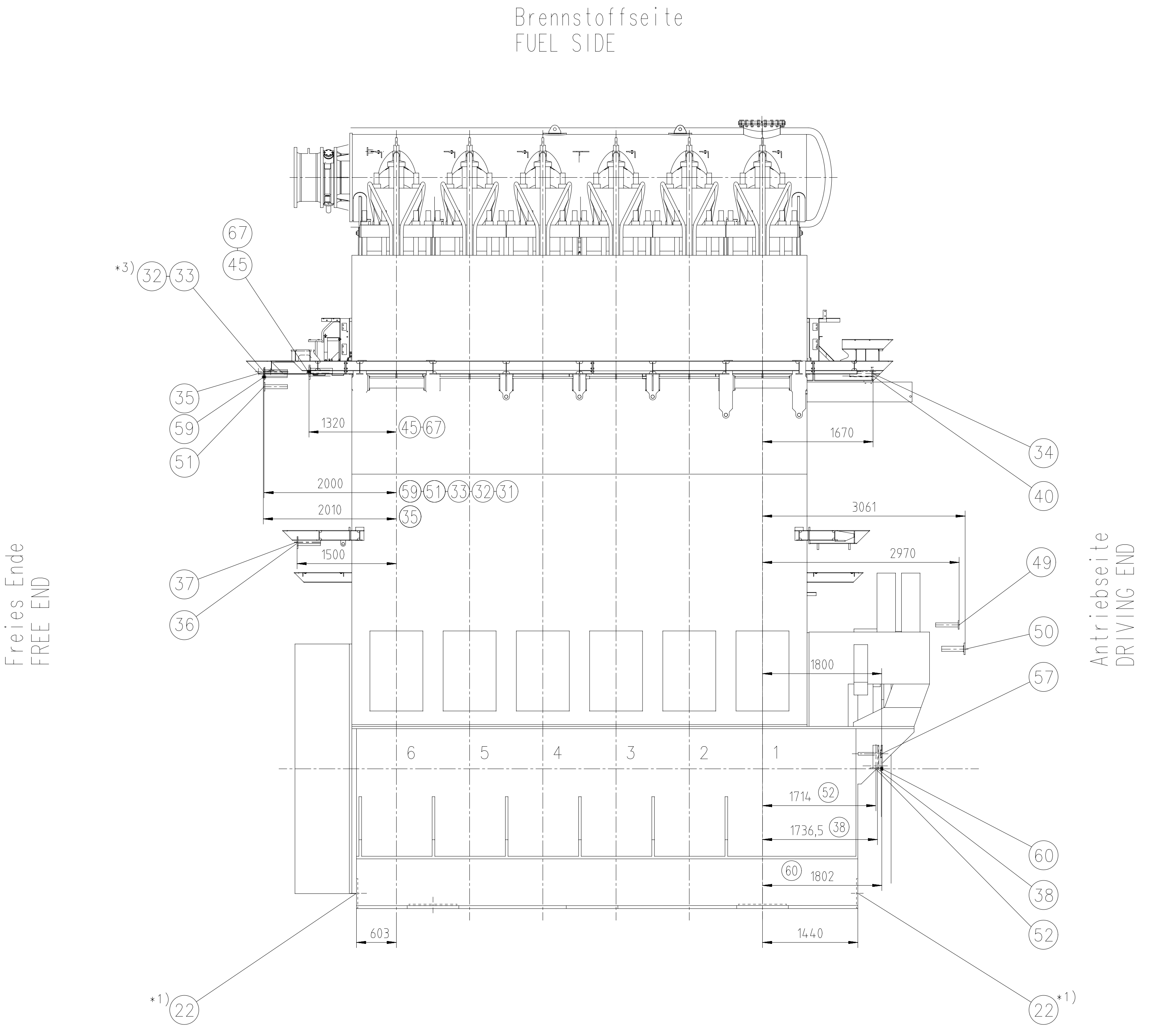
Alle Flanschanschlüsse am Motor sind mit Gegenflanschen versehen (Blindflansch), ausgenommen der Anschluss fuer den Gasaustritt am Turbolader. Die Blindflansche sind nach dem betreffenden Rohrdurchmesser des Werflanschlusses aufzubohren. THE PIPE CONNECTIONS ON THE ENGINE ARE SUPPLIED WITH MATING FLANGES (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

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

1x A265-L

Internes TL Oelssystem
INTERNAL TC OIL SYSTEM



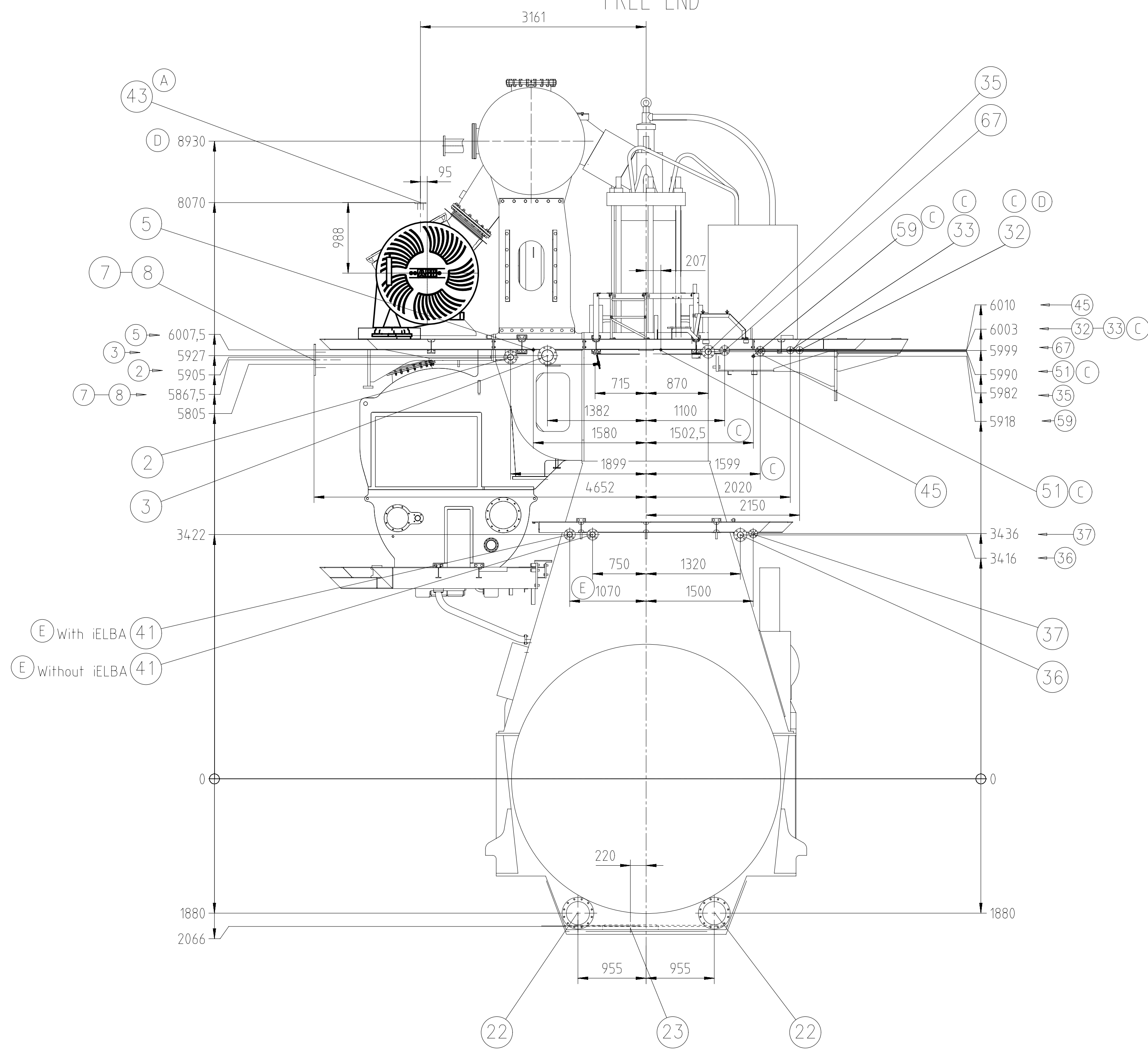
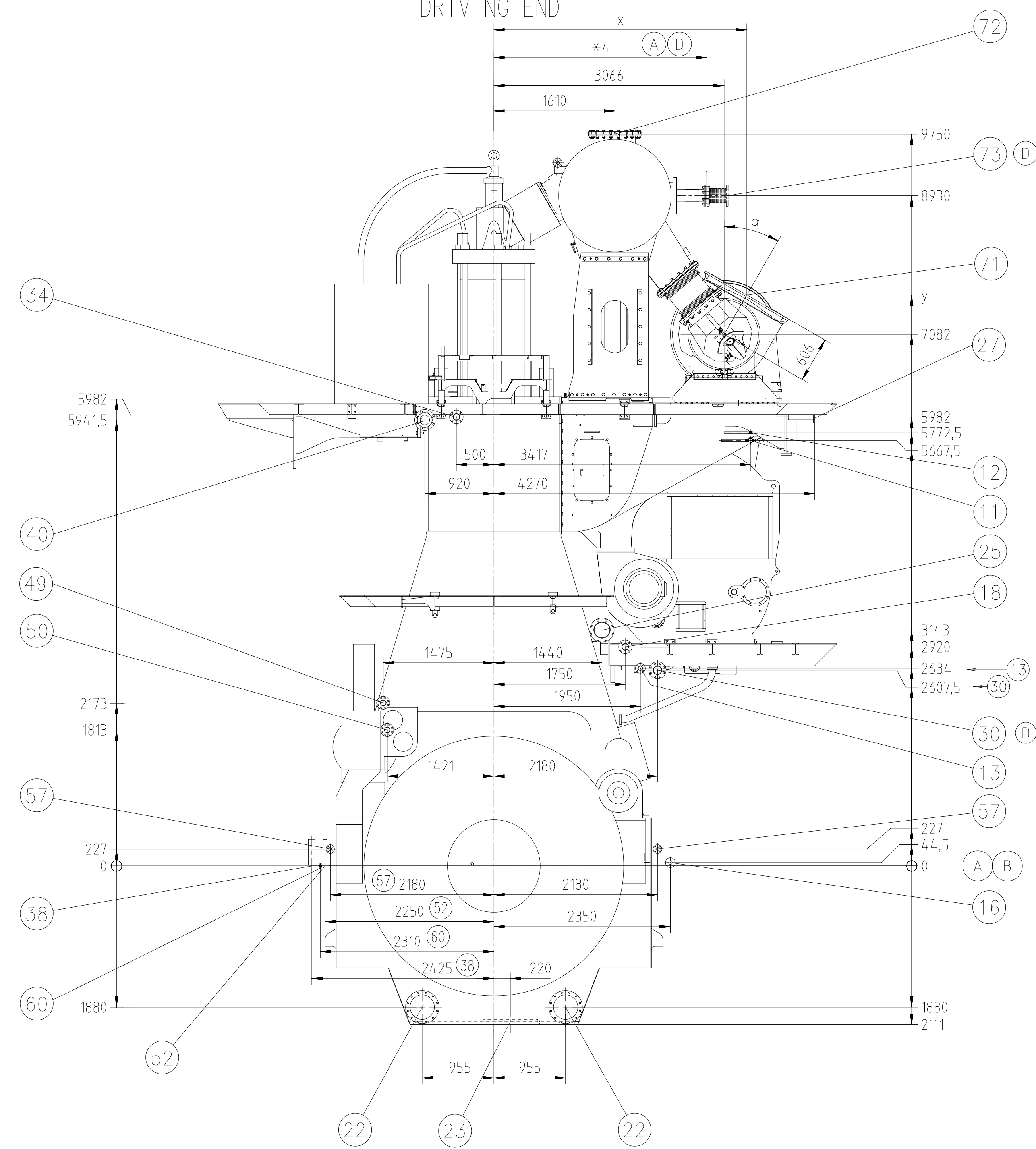
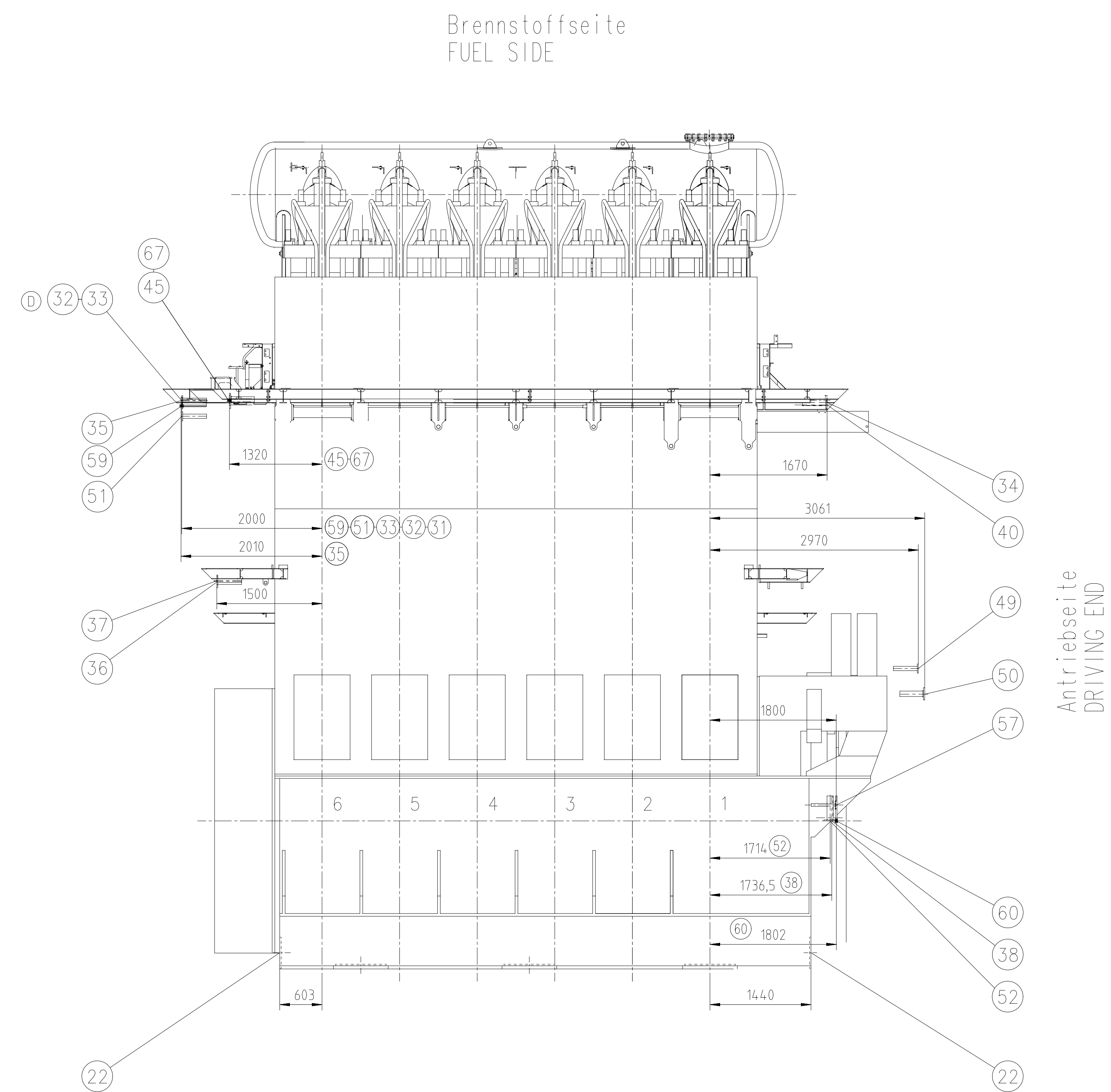
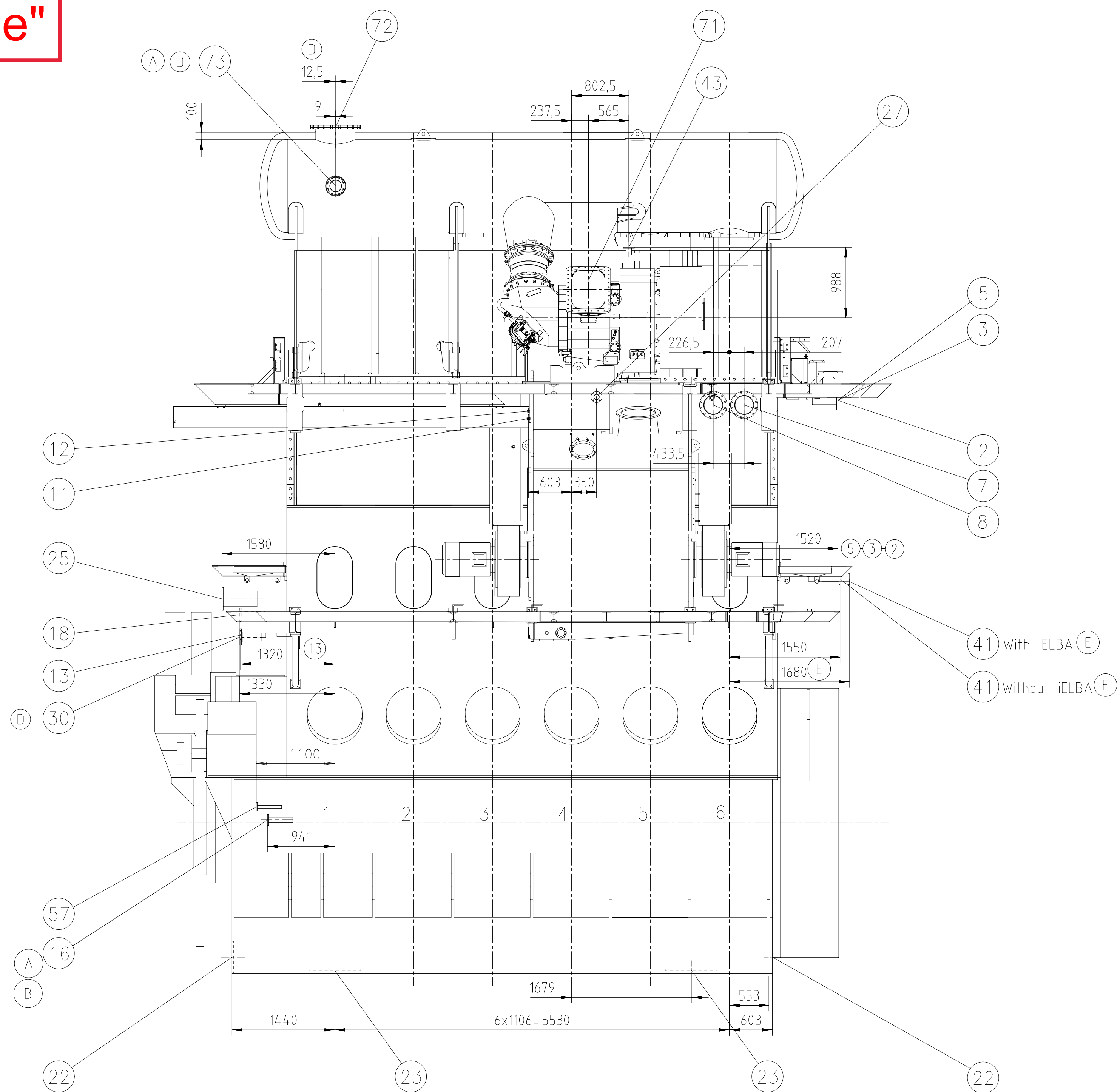
6X62-B									
Verf.	C	Idat101	r11002	21.03.2022	000000474	Yard connection dimension added for iELBA(DG-B608)			
Change History	B	rth101	sh1017	20.11.2020	EAD093529	Legacy information. See corresponding ChangeNotice			4 3
	A	mar101	nda006	15.02.2019	EAD09336	Legacy information. See corresponding ChangeNotice			4 3
	-	zwa101	nda006	11.10.2018	-	-			-
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E C
WIN GD Winterthur Gas & Diesel									
PIPE CONNECTION PLAN									
separate BOM available									
Scale		1:4.0		Units		[mm]		[kg]	
Basic Material		Main		Design		Yes		8020	
Q-Code		XXXXX		Standard		ISO		1/2	
Qty		per		Engine		A0		Item ID	
PAAD307912		Drawing		Page		1/2			

SURFACE PROTECTION SEE GROUP 0344
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mK

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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.	6 X62-B													
Change History	E	dsh101	rfl002	21.03.2022	CNAA000474	Yard connection dimension added for iELBA(DG-8608)				4	3			
	D	jxi101	sth017	28.04.2021	EAAD096022	Legacy information. See corresponding ChangeNotice				4	3			
	C	rth101	sth017	20.11.2020	EAAD093529	Legacy information. See corresponding ChangeNotice				4	3			
	-	sgr101	mda006	05.07.2018		-				-	-			
	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										
				PAAD286085										
Bill Of Material				Dimension										
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				Main Design		Yes		Design Group		8020	Q-Code	XXXXX	Standard	ISO
				Qty per		Engine		A4	Item ID		PAAD300330		BOM Page/s	01/01

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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 Wert 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 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 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

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

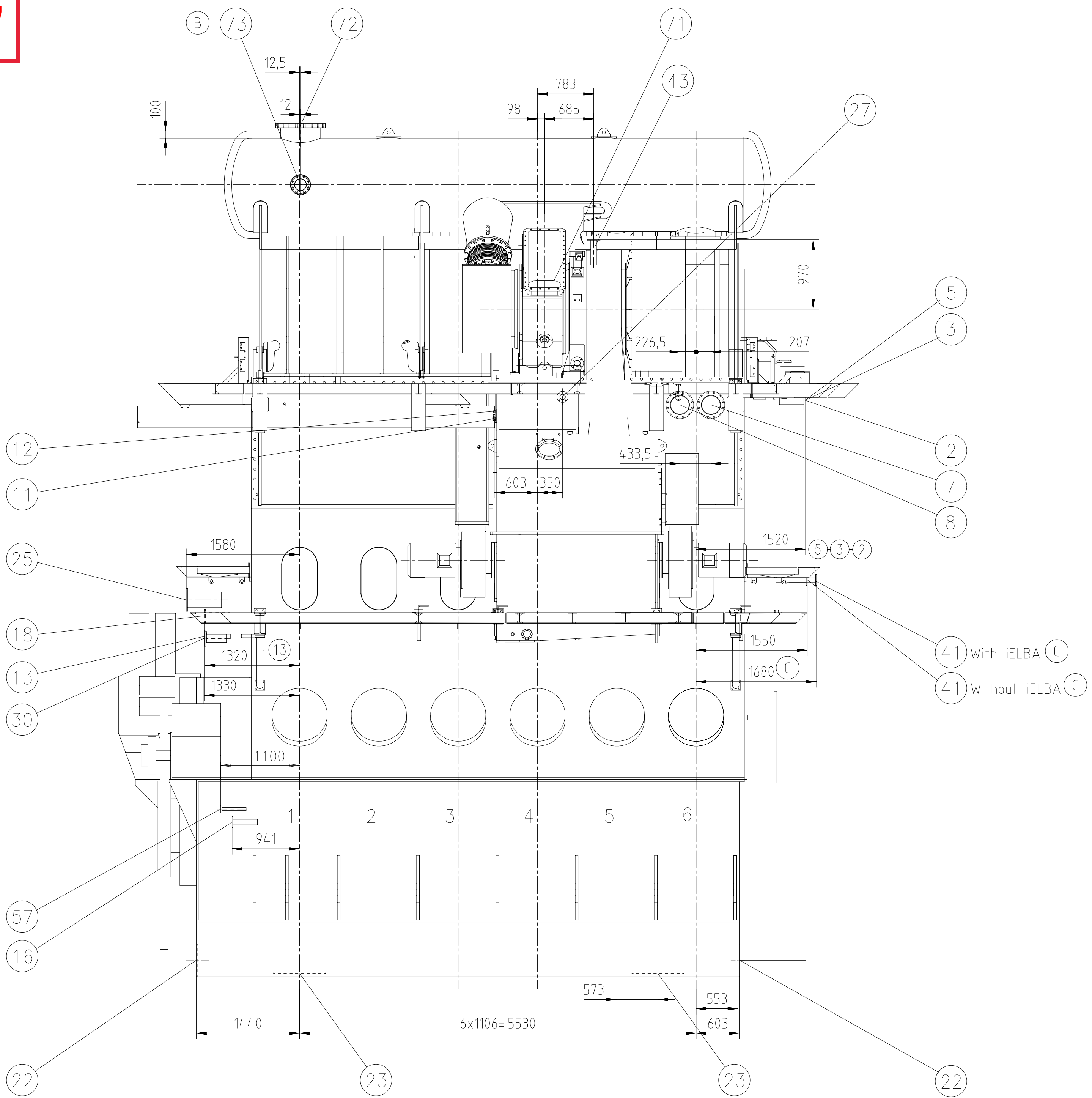
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06X2-B									
Change history	E	dshn01	rH002	21032022	Q8A000474	Yard connection dimension added for ELBA(DG-8608)	4	3	
	D	ixn01	stH07	28.04.2021	EA0096022	Legacy information. See corresponding ChangeNotice	4	3	
	C	rHn01	stH07	20.11.2020	EA0093529	Legacy information. See corresponding ChangeNotice	4	3	
	-	sgrJ01	msh06	05.07.2008	-	-	-	-	
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	
							6	G	
WIN GD		PIPE CONNECTION PLAN							
Winterturk Gas & Diesel									
separate BOM available				Dimension					
Scale: 1:40		 General tolerances class according to ISO 2768-MS		[mm] [kg]		Basic Material		Net Weight	0.00
By scaling proportions in the drawing the required quantities are calculated. The quantities are rounded up to the next whole number.		Main design	Yes	Design Group		8020	Q-Code XXXXXX	Standard	ISC
Note: Dimensions are given in mm unless otherwise specified. Marking in any other position may require a separate drawing. All dimensions are subject to change without notice. Winterturk Gas & Diesel Ltd.		Qty per	Engine	A0	Item ID	PAAD300330		Drawing Page(s)	1/2
		27	24	73					

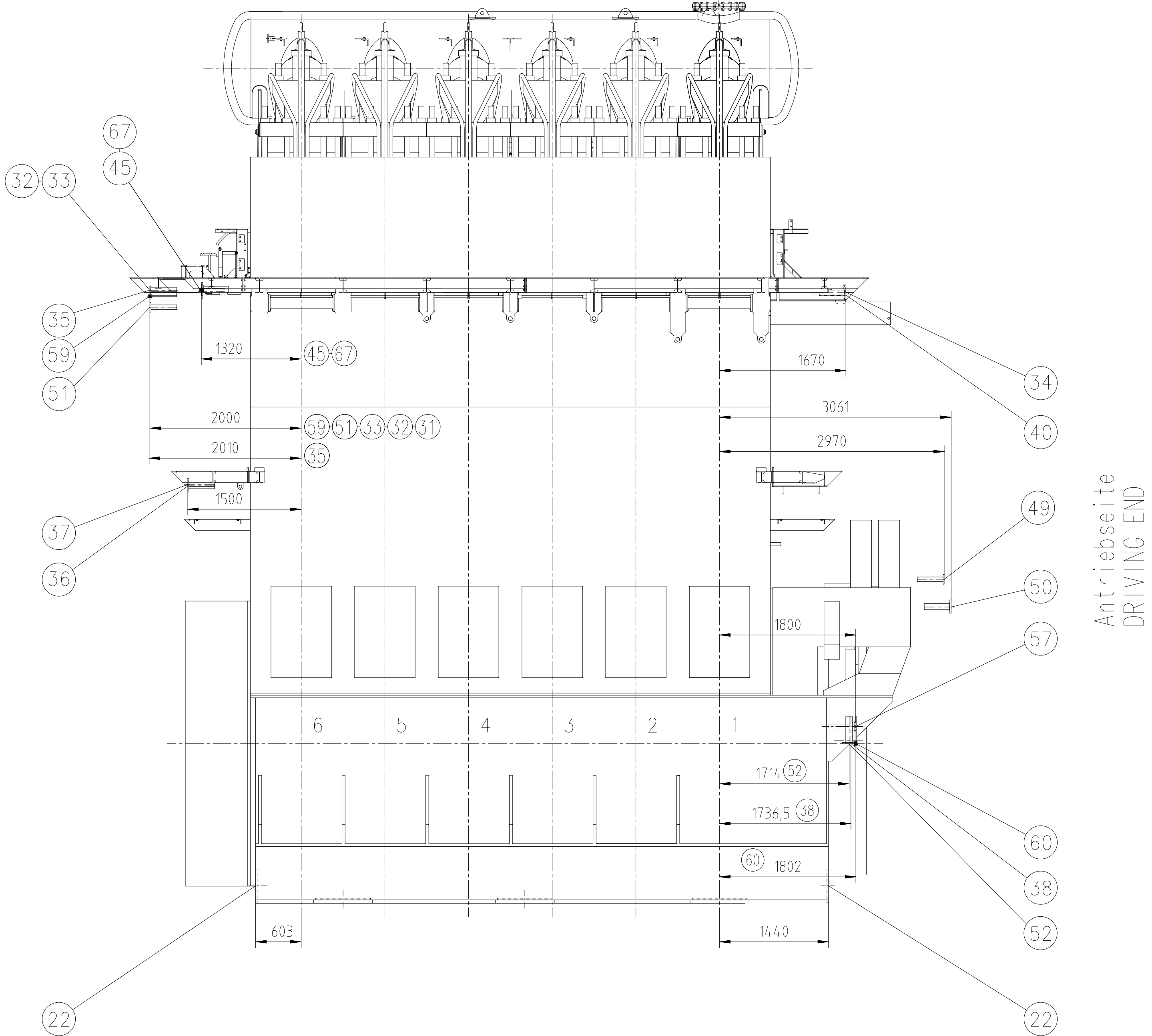
SEQ NO	QTY	Item ID		Item Name		Dimension	Standard-ID	Basic Material		Net Weight				
001	1	107.390.729.500		FLANGE DIMENSIONS						0.001				
Prod.	6 X62-B													
Change History	C	dsh101	rfl002	21.03.2022	CNAA000474	Yard connection dimension added for iELBA(DG-8608)			4	3				
	B	jxi101	sth017	28.04.2021	EAAD096022	Legacy information. See corresponding ChangeNotice			4	3				
	A	rth101	sth017	20.11.2020	EAAD093529	Legacy information. See corresponding ChangeNotice			4	3				
	-	ada101	rfl002	28.05.2019		-			-	-				
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis		Activity Code	E	C				
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>				PIPE CONNECTION PLAN PAAD286085										
Bill Of Material				Dimension										
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				Main Design		Yes		Design Group		8020	Q-Code	XXXXX	Standard	ISO
				Qty per		Engine		A4	Item ID		PAAD326847		BOM Page/s	01/01

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Antriebsseite
DRIVING END

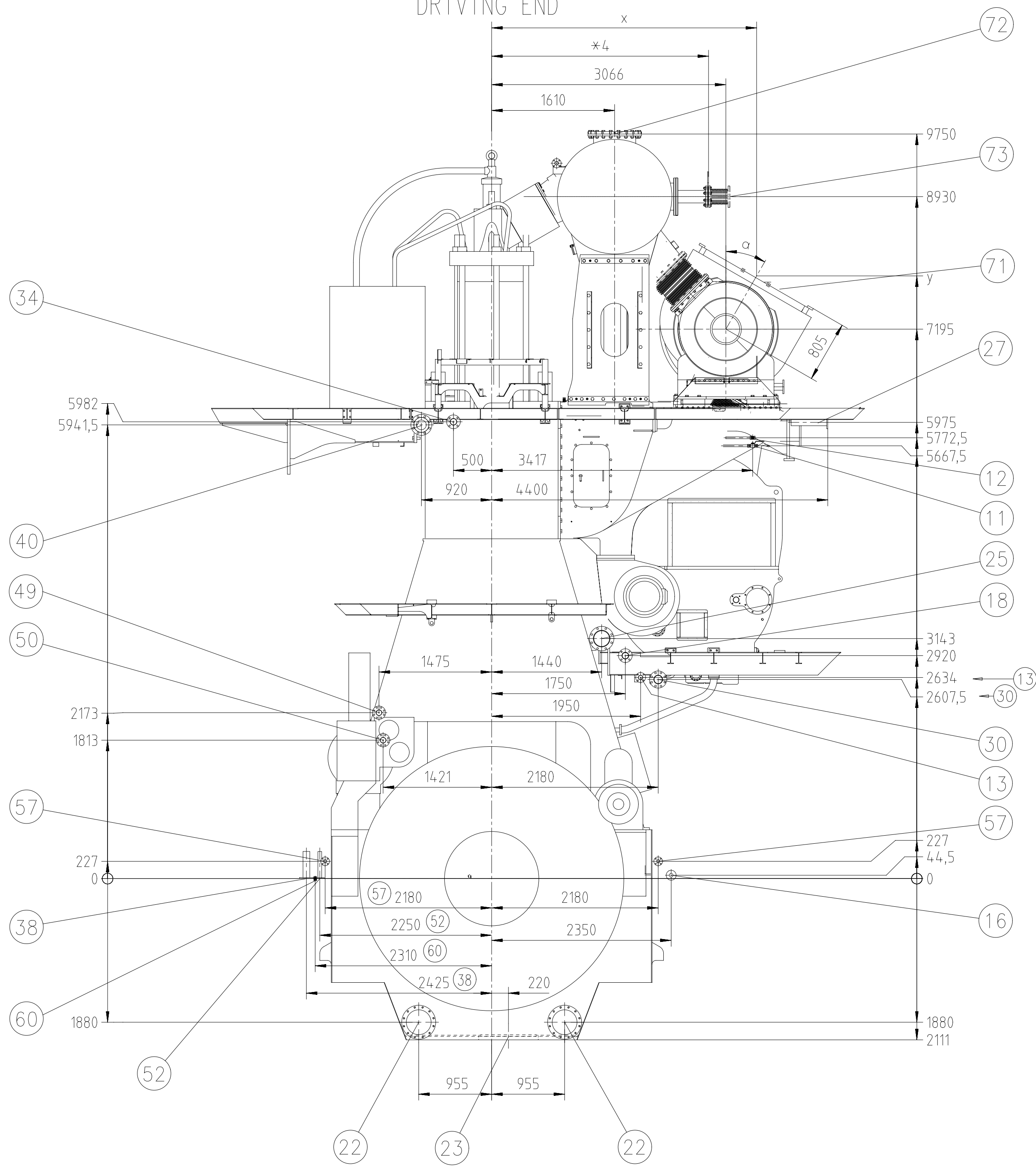


Brennstoffseite
FUEL SIDE

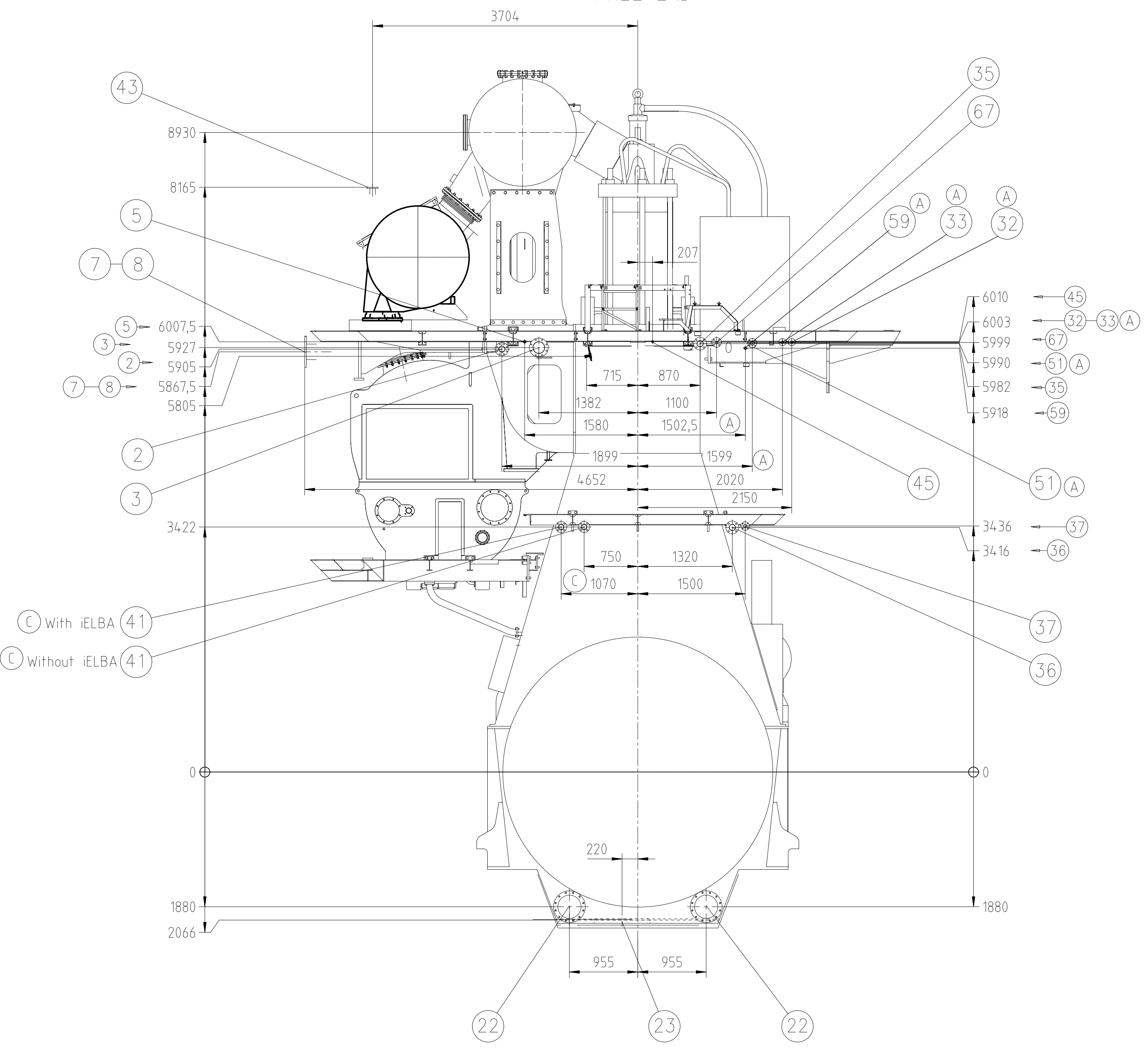


Antriebsseite
DRIVING END

Antriebsseite
DRIVING END



Freies Ende
FREE END



Gasaustritt-Stellung GAS OUTLET POSITION	x	y
0°	3066	8000
15°	3255	7973
30°	3431	7892
45°	3582	7764

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

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

1x MET66MB

6X62-B									
Yrd	Idh101	r11002	21.03.2022	CHN0000474	Yard connection dimension added for iELBA(DG-B608)	4	3		
Change history	B	jw101	st1017	28.04.2021	EAAD094022	Legacy information. See corresponding ChangeNotice	4	3	
	A	r1101	st1017	20.11.2020	EAAD093529	Legacy information. See corresponding ChangeNotice	4	3	
	-	ada101	r11002	28.05.2019	-	-	-	-	
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E C
WIN GD Winterthur Gas & Diesel									
PIPE CONNECTION PLAN									
separate BOM available									
Scale	1:4.0								
Units	[mm]	[kg]							
Basic Material									
Net Weight	0.001								
SURFACE PROTECTION SEE GROUP 0344									
TOLERANCING PRINCIPLE ISO8015									
GENERAL TOLERANCES ACCORDING TO ISO2768-mK									
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Main Design	Yes								
Design Group	8020								
Q-Code	XXXXX								
Standard	ISO								
Qty per	Engine	A0	Item ID	PAAD326847					
Drawing Page	1/2								

*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

Leitungs-Anschlusse
PIPE-CONNECTIONS

Ko.Gr. KO. GR.	Freies Ende FREE END	Antriebsseite DRIVING END	Abgasseite EXHAUST SIDE	Brennstoffseite FUEL SIDE
-------------------	-------------------------	------------------------------	----------------------------	------------------------------

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

Leitungs-Anschlusse
PIPE-CONNECTIONS

Ko.Gr. KO. GR.	Freies Ende FREE END	Antriebsseite DRIVING END	Abgasseite EXHAUST SIDE	Brennstoffseite FUEL SIDE
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Leitungs-Anschlusse
PIPE-CONNECTIONS

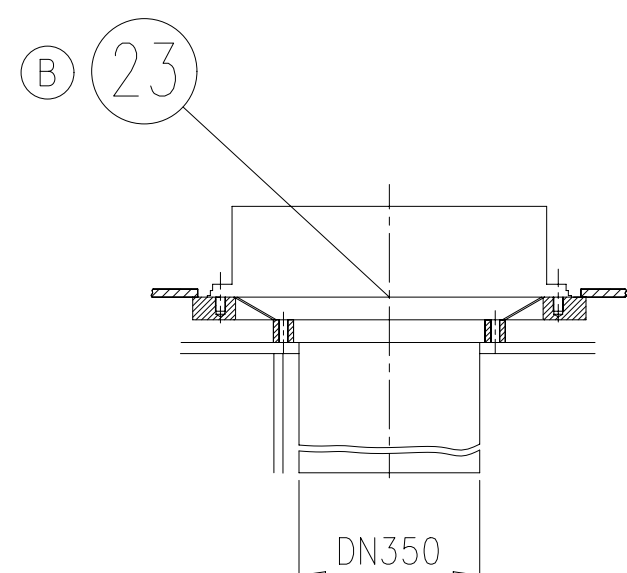
Ko.Gr. KO. GR.	Freies Ende FREE END	Antriebsseite DRIVING END	Abgasseite EXHAUST SIDE	Brennstoffseite FUEL SIDE
-------------------	-------------------------	------------------------------	----------------------------	------------------------------

1		Zylinderkühlwasser Eintritt CYLINDER COOLING WATER INLET	DN PN	8301	Nicht benoetigt NOT USED				
2		Zylinderkühlwasser Eintritt CYLINDER COOLING WATER INLET	DN 150 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-Kühlwasser Eintritt SAC-LT-COOLING WATER INLET	DN 250 PN 6	8335	X			X	
8		SLK-NT-Kühlwasser Austritt SAC-LT-COOLING WATER OUTLET	DN 250 PN 6	8335	X			X	
9		SLK-HT-Kühlwasser Eintritt SAC-HT-COOLING WATER INLET	DN PN	8335	Nicht benoetigt NOT USED				
10		SLK-HT-Kühlwasser 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		Deliges 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 Waschwasser Austritt SAC WASHING WATER OUTLET	DN 40 PN 6	8357		X		X	
17		SLK Kondenswasser Austritt SAC CONDENSATE WATER OUTLET	DN PN	8357	Nicht benoetigt NOT USED				
18		SLK Entlüftung SAC VENTING	DN 80 PN 6	8357		X		X	
19									
20									
21									
22	*1) siehe Detail SEE DETAIL	Ölablauf Grundplatte Horizontal OIL DRAIN BEDPLATE HORIZONTAL		1110	X	X	X	X	
23	*2) siehe Detail SEE DETAIL	Ölablauf 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	

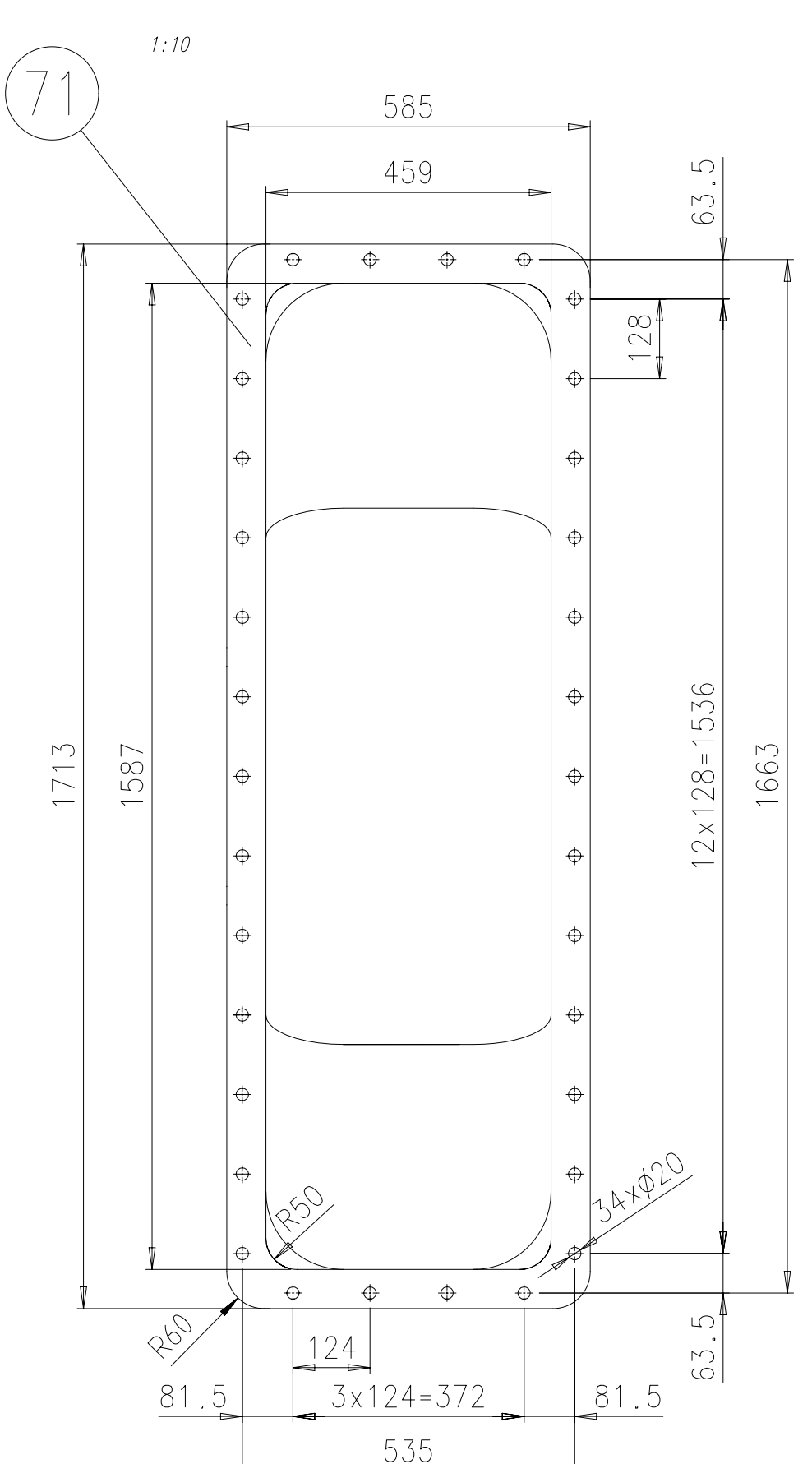
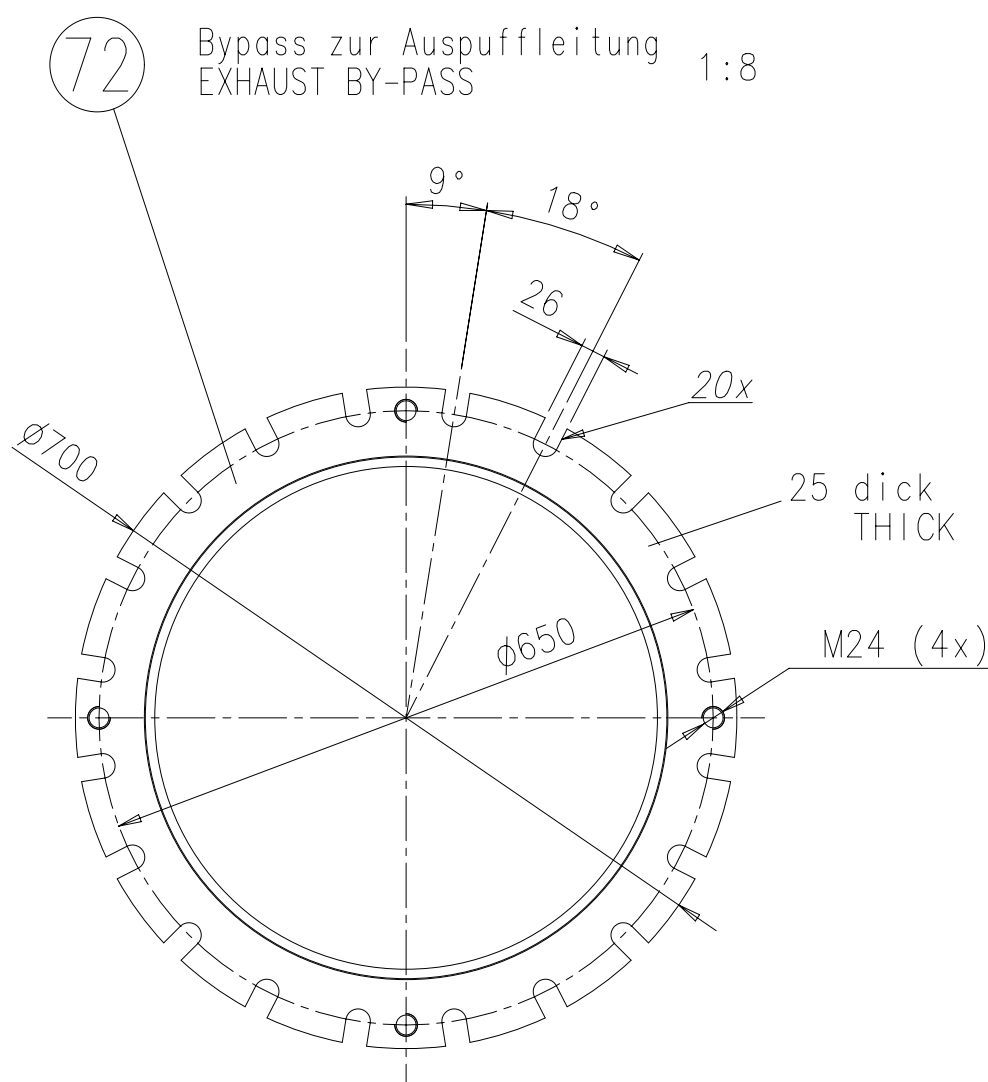
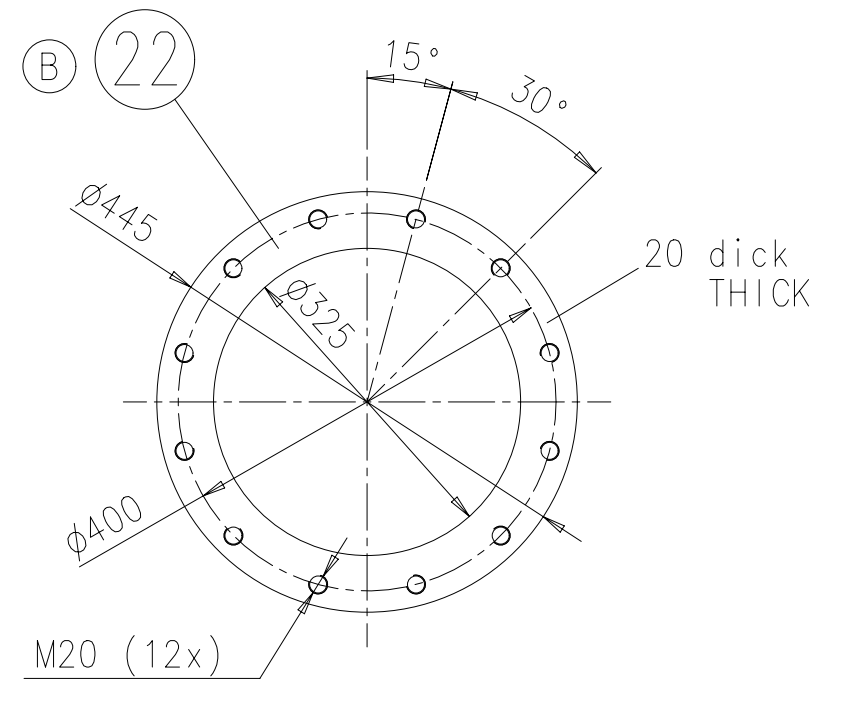
26	*3) 	Schmieröl Turbolader Eintritt LUBRICATING OIL TURBOCHARGER INLET	DN PN	8430	Nicht benoetigt NOT USED				
27		Schmieröl Turbolader Austritt LUBRICATING OIL TURBOCHARGER OUTLET	DN 80 PN 6	8431		X		X	
28		Spuelöl Automatikfilter Austritt FLUSHING OIL AUTOMATIC FILTER OUTLET	DN PN	8445	Nicht benoetigt 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 OUTLET	DN PN	8463	Nicht benoetigt NOT USED				
32		Zylinder Schmieröl Eintritt CYLINDER LUB. OIL (HIGH BN) INLET	DN 25 PN 6	8475	X			X	
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 65 PN 6	8482		X		X	
35		Lecköl Freies Ende Austritt LEAKAGE OIL FREE END OUTLET	DN 65 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		Ölablauf Ölg. 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 80 PN 6	8610	X			X	
44	*1) 	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 Eintritt FUEL RETURN OUTLET	DN 65 PN 16	8704		X		X	

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									
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	
73	*1)*2) 	Abgase Abblaseventil Austritt EXHAUST WASTE GATE OUTLET	DN PN	8135	IF USED, SEE DAAD116127				
74									
75									

1:15
fuer vertikalen Ölablauf
FOR VERTICAL LUB. OIL DRAIN
siehe Ko.Gr. 1110 / 9722
SEE GROUP



1:8
fuer horizontalen Ölablauf
freies Ende und Antriebsseite
FOR HORIZONTAL LUB. OIL DRAIN
FREE END AND DRIVING END



1x MET66MB


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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					
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-6X62-B _Pipe-Connection-Plan

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2018-02-26	DRAWING SET	First web upload
2018-12-24	DAAD106257 DAAD103123	Revised Pipe Connection Plan for Turbocharger type 1 x ABB A270-ISO has been Updated and Pipe connection plan for Turbocharger type 1 x ABB A265-ISO has been added.
2019-05-15	DAAD106257 DAAD103123	Revised Pipe Connection Plan for Turbocharger type 1 x ABB A270-ISO and 1 x ABB A265-ISO has been updated.
2019-05-29	DAAD115882	Pipe Connection Plan for Turbocharger type 1 x MET66MB has been added.
2021-03-1	DAAD106257 DAAD103123 DAAD115882	Revised Pipe Connection Plans for Turbocharger type 1xA170/270, 1xA265-L & 1xMET 66MB have been updated.
2021-05-20	PAAD307912 PAAD300330 PAAD326847	Revised Pipe Connection Plans for Turbocharger type 1xA170/270, 1xA265-L & 1xMET 66MB have been updated.
2022-04-08	PAAD307912 PAAD300330 PAAD326847	Revised Pipe Connection Plans for Turbocharger type 1xA170/270, 1xA265-L & 1xMET 66MB have been updated.

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