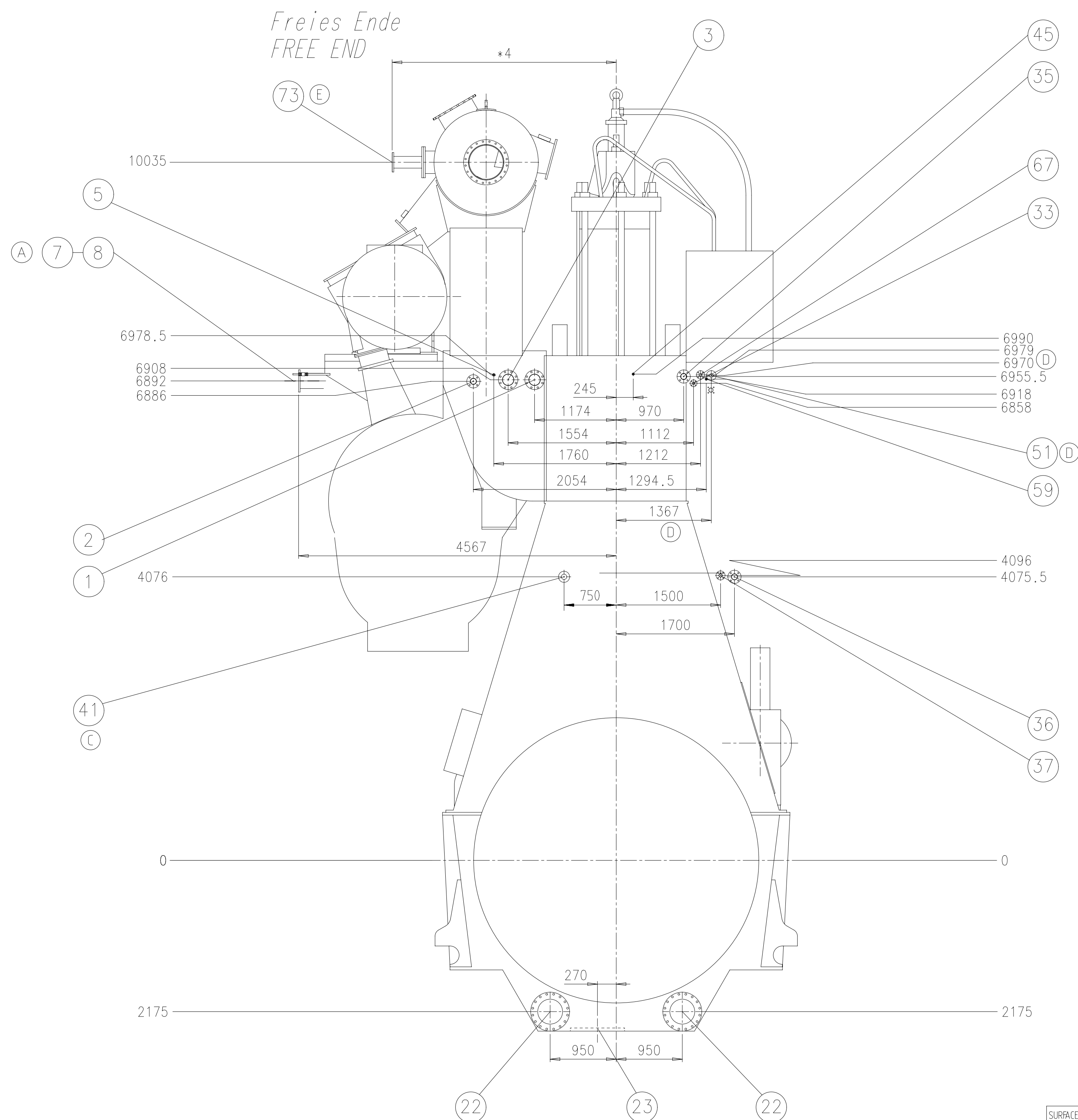
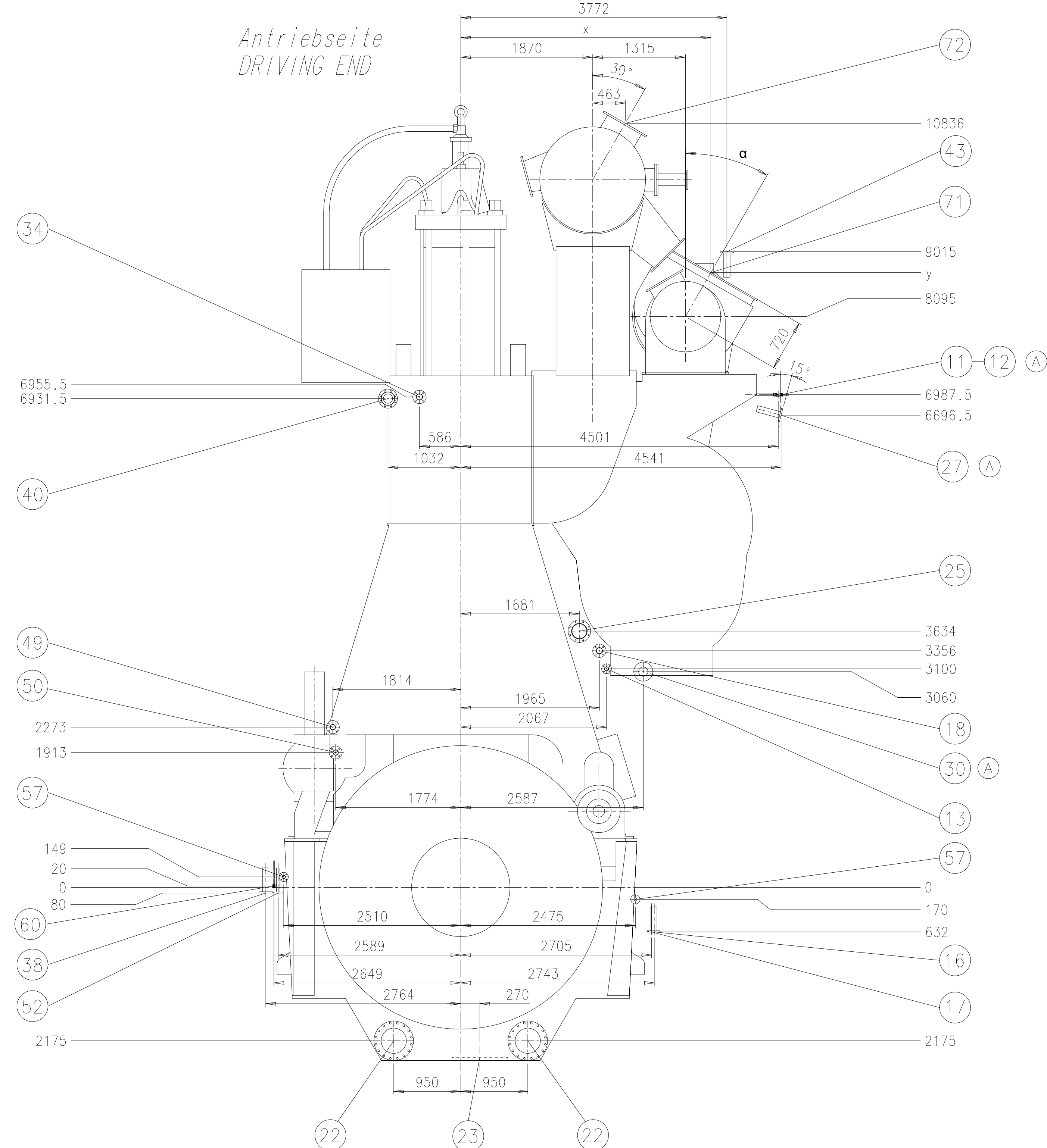
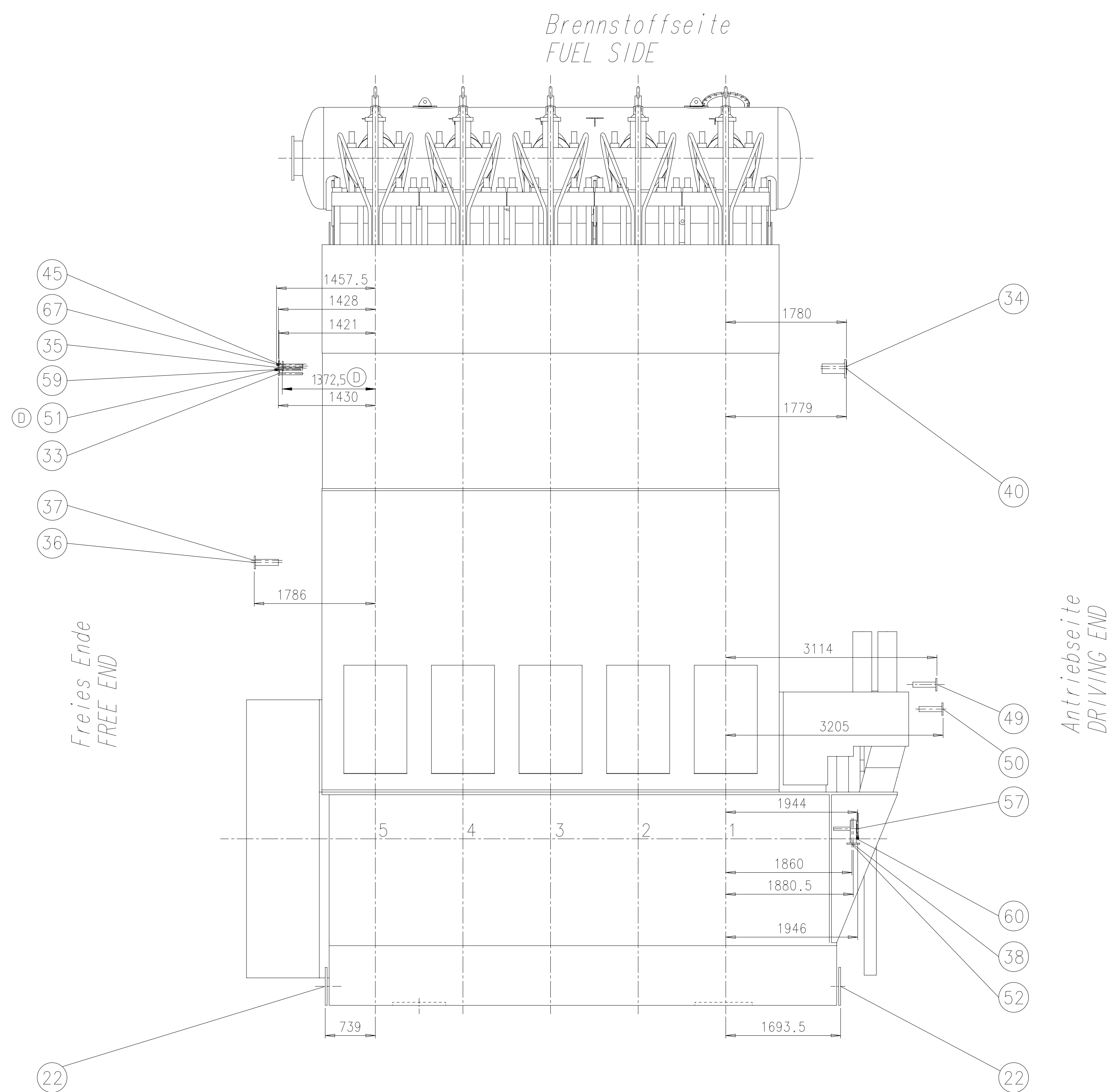
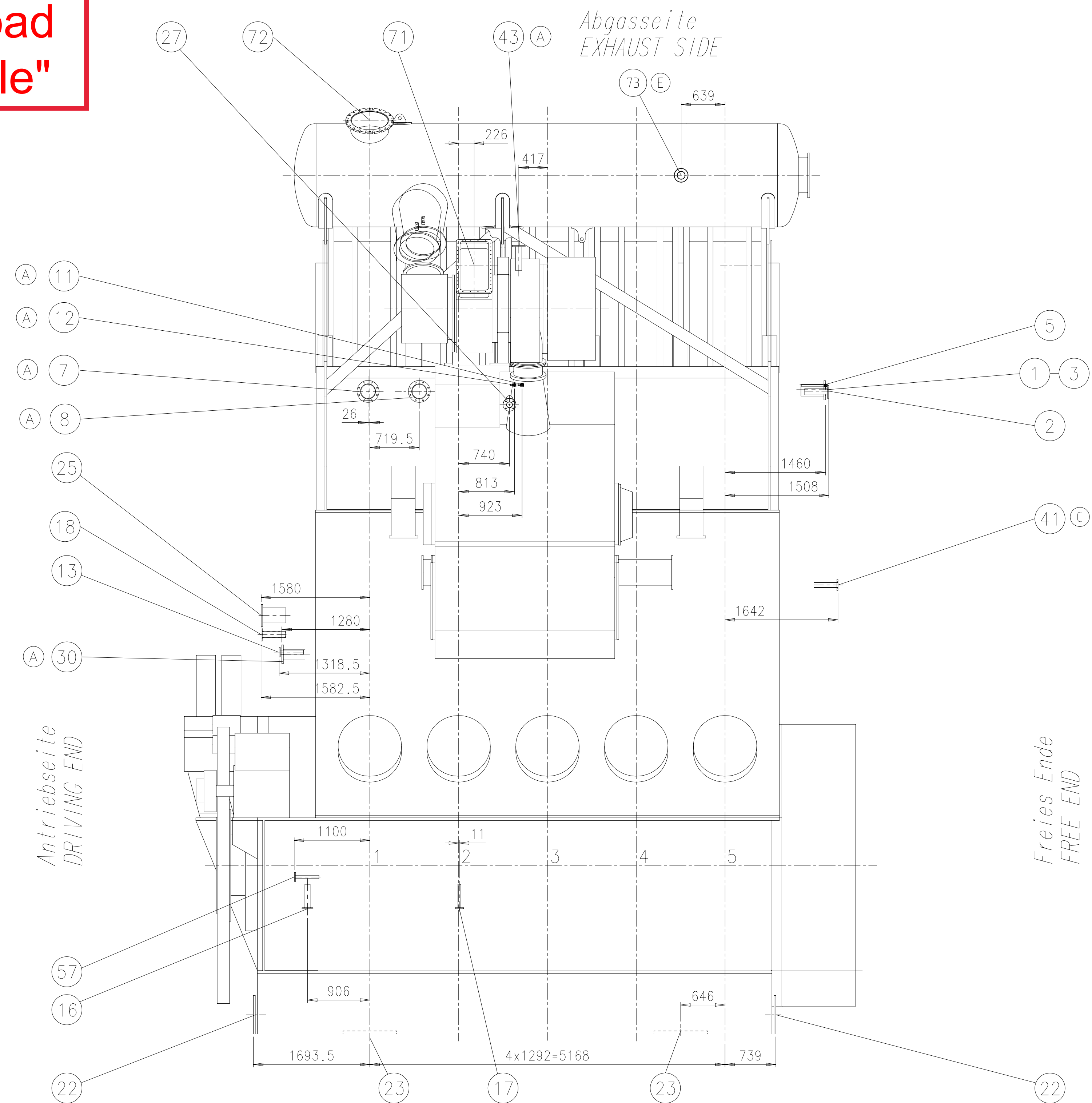



Download  
"DXF file"



Gasaustritt-Stellung GAS OUTLET POSITION 	x	y
0°	3185	8815
15°	3371	8790,5
30°	3545	8718,5
45°	3694	8604

\*1) Optionelle Ausführung ( wenn verlangt )  
OPTIONAL EXECUTION ( IF REQUIRED )

\*2) Standard Ausführung  
STANDARD EXECUTION

Vorschlag, endgueltige Position in Uebereinstimmung  
mit Werft zu bestimmen  
PROPOSAL TO DETERMINE FINAL POSITION  
IN ACCORDANCE WITH SHIPYARD

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



(E) \*4) SEE \*DAAD116127

Alle Flansanschlüsse am Motor sind mit Gegenflansen versehen (Blindflansch), ausgenommen der Anschluss fuer den Gasaustritt am Turbolader. Die Blindflansen sind nach dem betreffenden Rohrdurchmesser des Werflanschlusses 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

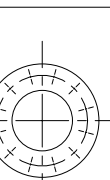
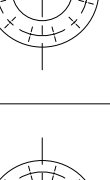
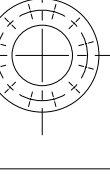
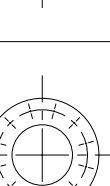
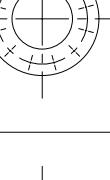
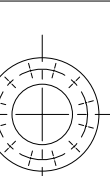
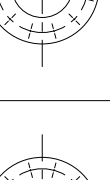
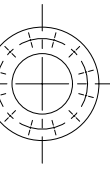
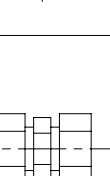
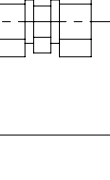

1 x MET 60MB

		Weight																							
		0,001																							
		1		001		107.390.729.500		FLANGE DIMENSIONS				107.390.729				0,00									
PER ENGINE	Quantity	SEQ NO	Material ID		Material Name		Standard or Drawing		Basic Material		Material Standard		Weight GR / NET												
	ENGINE						Dimensions, Dwg.																		
		107.390.729		Fine space LP-3C												H									
Material	Moat	B		EAD085785		11.12.2015		C		EAD08785		13.12.2017		D		EAD09415		26.11.2020		E		EAD096022		27.04.2021	
		Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date		Number		Drawn date					

				Product 5X72		PIPE CONNECTION PLAN  Rohranschlussplan									
Units: mm kg		NX				Basic Material				Net Weight					
Made in	24.04.2014 - mba025 Balderer					Scale	1:10		Size	A0	Paper	1/2	Material		
Drawn	29.04.2014 uba001 Balser					Design Group	8020		Drawing No	DAAD050248				Rev.	E
Check	29.04.2014 abt030 Brückl														

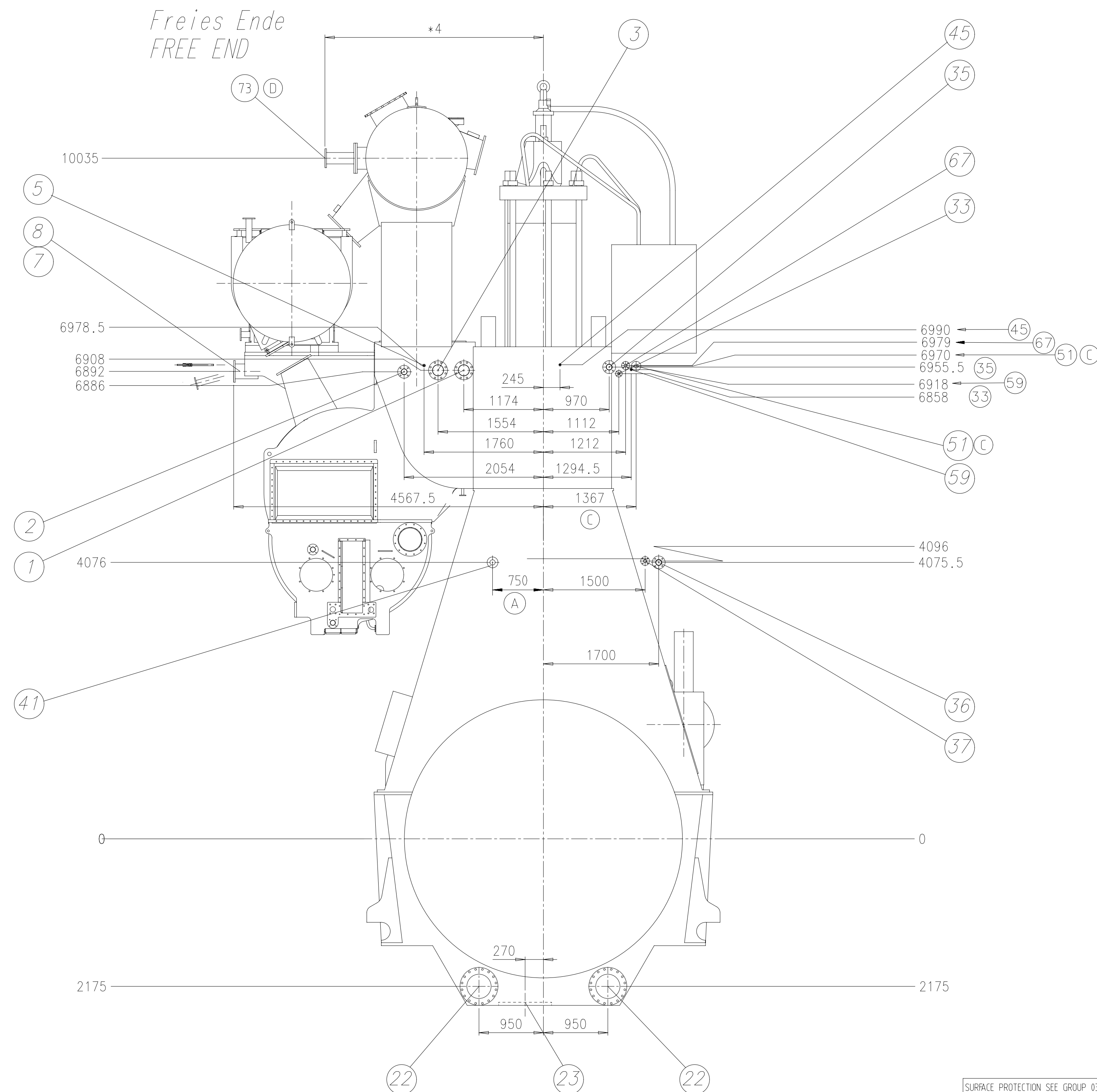
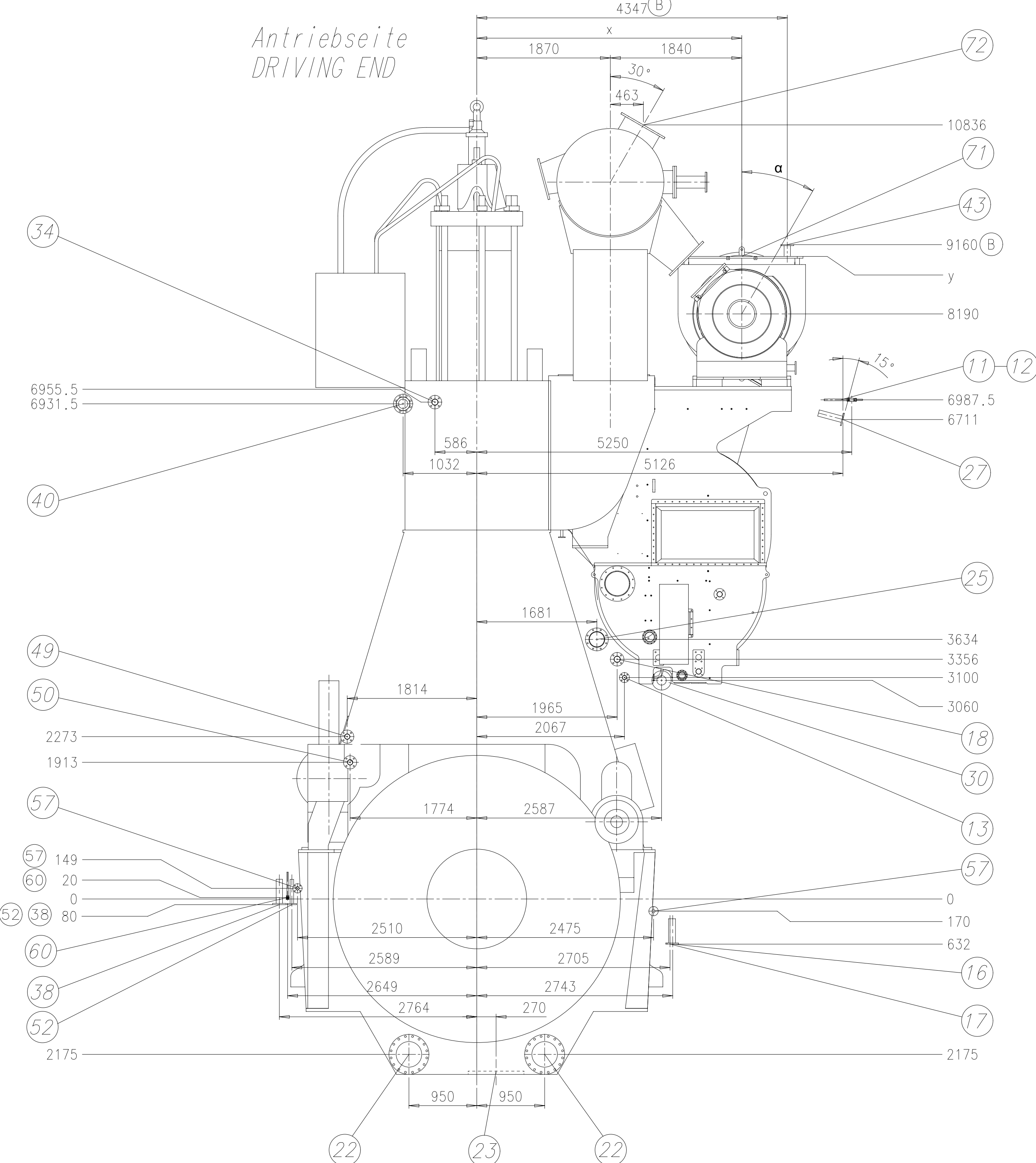
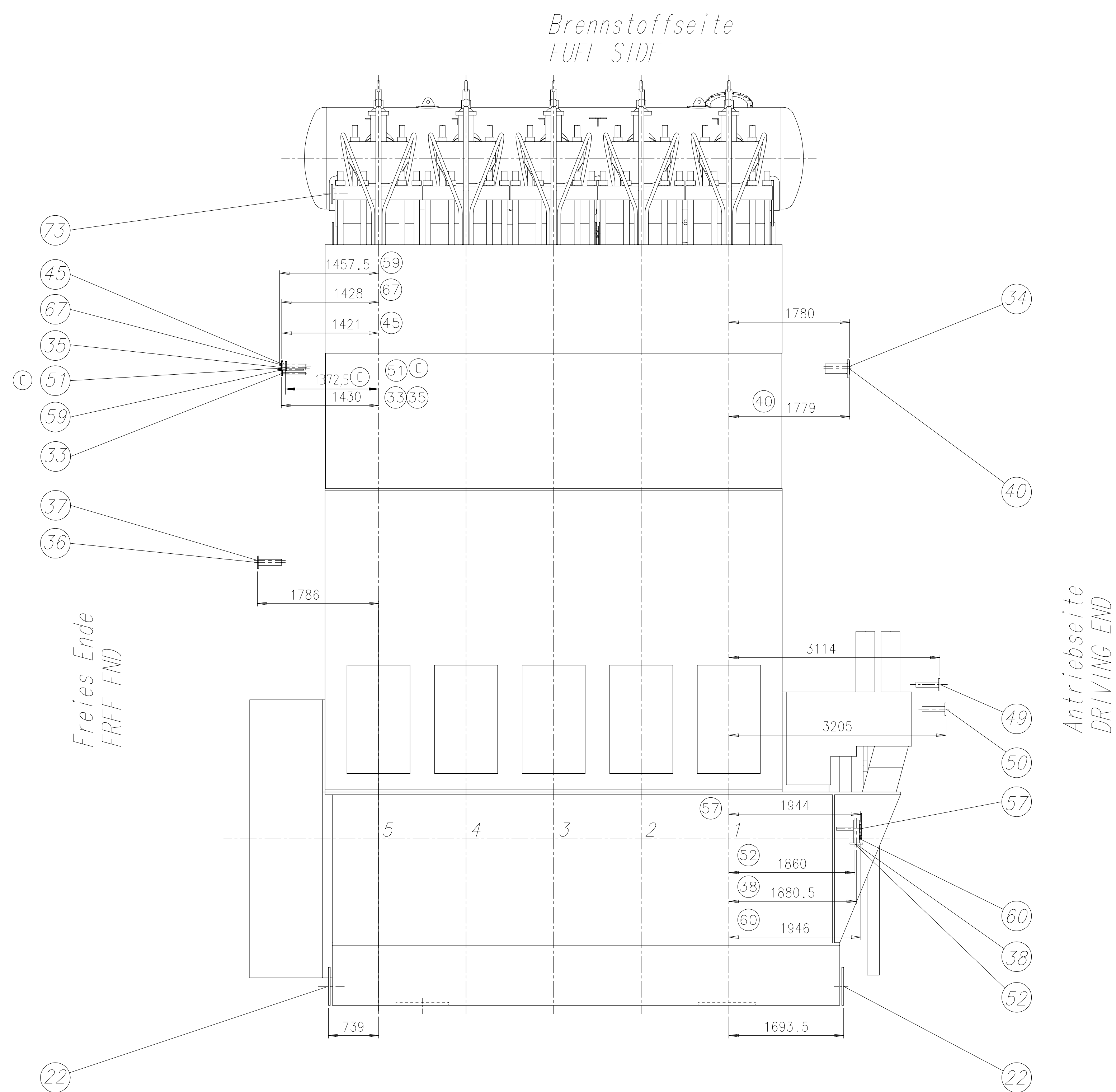
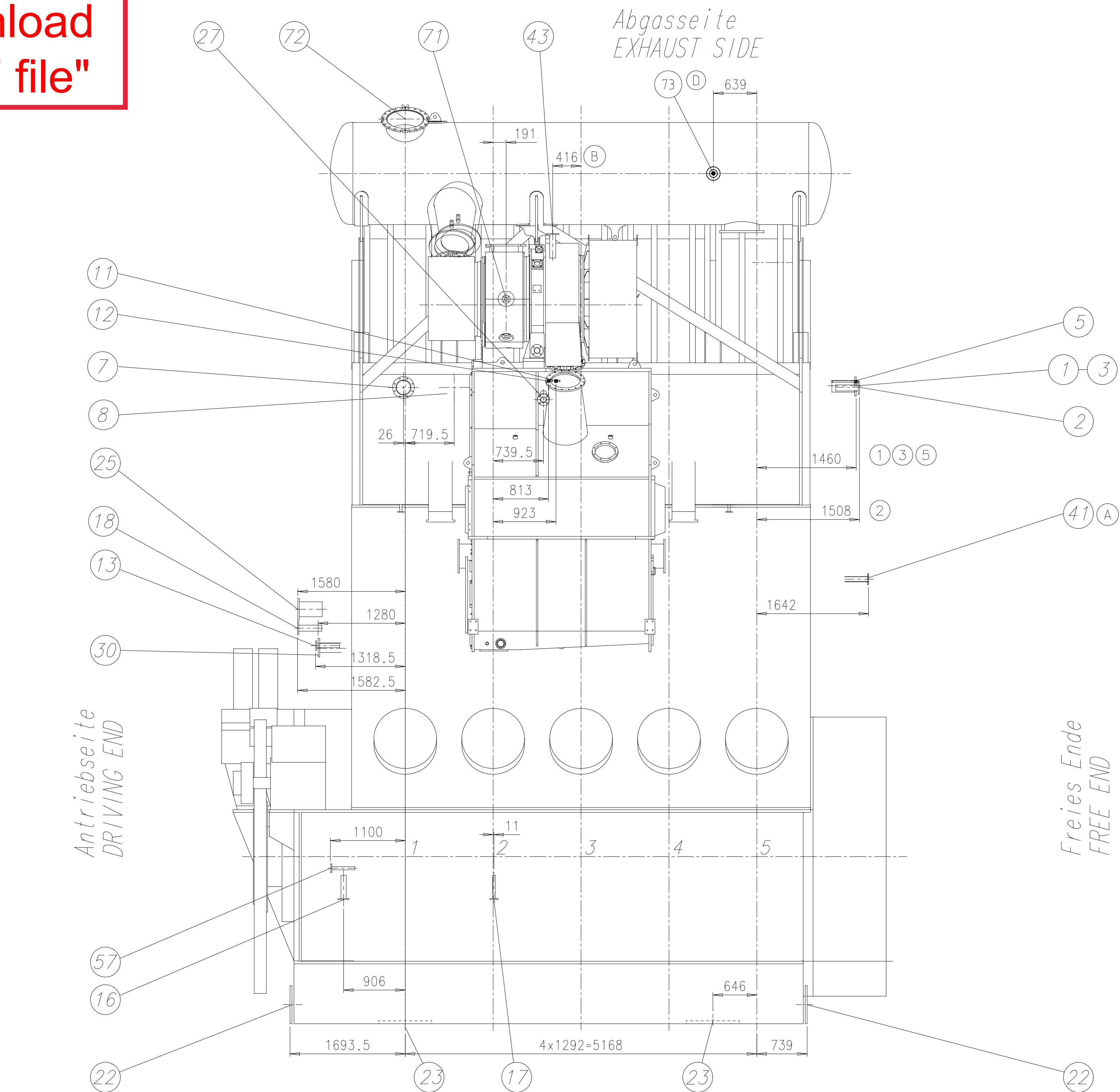



		*1) Optionelle Ausführung ( wenn verlangt ) OPTIONAL EXECUTION ( IF REQUIRED )		Leitungs-Anschlüsse PIPE-CONNECTIONS			
		*2) Standard Ausführung STANDARD EXECUTION					
		Vorschlag, endgültige Position in Übereinstimmung mit Merkf zu bestimmen PROPOSAL TO DETERMINE FINAL POSITION IN ACCORDANCE WITH SHIPYARD					
		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 150 PN 10	8301	X		X
2		Kühlwasserltg. Zylindereinsatz Eintritt COOLING WATER PIPE CYL. LINER INLET	DN 80 PN 10	8305	X		X
3		Zylinderkühlwasser Austritt CYLINDER COOLING WATER OUTLET	DN 150 PN 5	8310	X		X
4		Zylinderkühlwasser Entlüftung Eintritt CYLINDER COOLING WATER VENTING VENTING	DN PN	8310	Nicht benoetigt NOT USED		
5		Zylinderkühlwasser Entleerung Austritt CYLINDER COOLING WATER DRAIN OUTLET	DN 20 PN 5	8313	X		X
6		SLK Entleerung Austritt SAC DRAIN OUTLET	DN PN	8314	Nicht benoetigt NOT USED		
7		SLK-NT-Kuehlwasser Eintritt SAC-LT-COOLING WATER INLET	DN 200 PN 5	8335		X	
8		SLK-NT-Kuehlwasser Austritt SAC-LT-COOLING WATER OUTLET	DN 200 PN 5	8335			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
12		Luft fuer Reinigungsanlage TL und SLK Eintritt AIR FOR CLEANING PLANT TC AND SAC INLET	DN 20 PN 10	8338			X
13		Deliges Wasser vom Receiver Austritt OILY WATER FROM RECEIVER OUTLET	DN 50 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 32 PN 5	8357		X	X
18		SLK Entlüftung Eintritt SAC VENTING VENTING	DN 80 PN 5	8357		X	X
19							
20							
21							
22	*1) Siehe Detail SEE DETAIL	Oelablauf Grundplatte Horizontal OIL DRAIN BEDPLATE HORIZONTAL		1110	X	X	X
23	*2) Siehe Detail SEE DETAIL	Oelablauf 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 200 PN 5	8406		X	X

				*3) Externale Ausführung (wenn verlangt) EXTERNAL EXECUTION (IF REQUIRED)											
						Ko.Gr. KO. GR.		Freies Ende FREE END		Antriebsseite DRIVING END		Abgasseite EXHAUST SIDE		Bremsstoffseite FUEL SIDE	
E	26		Schmieröl Turbolader Eintritt		DN PN	8430	Nicht benoetigt NOT USED								
			LUBRICATING OIL TURBOCHARGER INLET												
	27		Schmieröl Turbolader Austritt		DN 80 PN 5	8431					X		X		
			LUBRICATING OIL TURBOCHARGER OUTLET												
	28		Spuelöl Automatikfilter Austritt		DN PN	8445	Nicht benoetigt NOT USED								
			FLUSHING OIL AUTOMATIC FILTER OUTLET												
	29		Schmutzöl Ablauf Versorgungseinheit Austritt		DN PN	8452	Nicht benoetigt NOT USED								
			DIRTY OIL DRAIN SUPPLY UNIT OUTLET												
A	30		Schmieröl Kreuzkopf Eintritt		DN 125 PN 16	8455					X		X		
			LUBRICATING OIL CROSSHEAD INLET												
	31		Leckagen vom Motor Austritt		DN PN	8463	Nicht benoetigt NOT USED								
			DIRTY OIL LEAKAGE FROM ENGINE OUTLET												
E	32		Zylinder Schmieröl Eintritt		DN PN	8475	Nicht benoetigt NOT USED								
			CYLINDER LUB. OIL (HIGH BN) INLET												
E	33		Zylinder Schmieröl Eintritt		DN 25 PN 5	8475	X								X
			CYLINDER LUB. OIL (LOW BN) INLET												
	34		Lecköl Antriebsseite Austritt		DN 80 PN 5	8482			X						X
			LEAKAGE OIL DRIVING END OUTLET												
	35		Lecköl Freies Ende Austritt		DN 80 PN 5	8483	X								X
			LEAKAGE OIL FREE END OUTLET												
	36		Schmutzöl Kolbenunterseite Austritt		DN 80 PN 5	8487	X								X
			DIRTY OIL PISTON UNDERSIDE OUTLET												
	37		Lecköl Stopfbuechse Austritt		DN 40 PN 5	8488	X								X
			LEAKAGE OIL GLAND BOX OUTLET												
	38		Ölablauffg. Versorgungseinheit Austritt		DN 80 PN 5	8454			X						X
			OIL PIPE DRAIN SUPPLY UNIT OUTLET												
	39		Leckageablauf Zylinderblock Austritt		DN PN	8462	Nicht benoetigt NOT USED								
			LEAKAGE DRAIN CYLINDER BLOCK OUTLET												
	40		Anlassluft Eintritt		DN 125 PN 30	8605			X						X
			STARTING AIR PIPE INLET												
C	41		Entlueftung Kurbelgehoeuse Austritt		DN 65 PN 5	8608	X					X			
			VENTING CRANKCASE OUTLET												
	42		Entlueftung Waste Gate Austritt		DN PN	8609	Nicht benoetigt NOT USED								
			VENTING WASTE GATE OUTLET												
	43		Entlueftung Turbolader Austritt		DN 80 PN 5	8610			X		X				
			VENTING TURBOCHARGER OUTLET												
E	44		Entlueftung Zylinderkuehlwasser Austritt		DN PN		Nicht benoetigt NOT USED								
			VENTING CYLINDER COOLING WATER OUTLET												
	45		Steuerluftversorgung Eintritt		DN 15 PN 10	8630	X								X
			CONTROL AIR SUPPLY INLET												
	46		Steuerluftversorgung Eintritt		DN PN	4605	Nicht benoetigt NOT USED								
			CONTROL AIR SUPPLY INLET												
	47														
	48														
	49		Brennstoff Eintritt		DN 65 PN 16	8702			X						X
			FUEL INLET												
	50		Brennstoffruecklauf Austritt		DN 65 PN 16	8704			X						X
			FUEL RETURN OUTLET												



Download  
"DXF file"



Gasaustritt-Stellung GAS OUTLET POSITION 	x	y
0°	3710	8995
15°	3918	8968
30°	4112	8887
45°	4279	8759

\*1) Optionelle Ausführung ( wenn verlangt )  
OPTIONAL EXECUTION ( IF REQUIRED )

\*2) Standard Ausführung  
STANDARD EXECUTION

Vorschlag, endgueltige Position in Uebereinstimmung  
mit Werft zu bestimmen  
PROPOSAL TO DETERMINE FINAL POSITION  
IN ACCORDANCE WITH SHIPYARD

\*3) Externale Ausführung (wenn verlangt)  
EXTERNAL EXECUTION (IF REQUIRED)

\*4) SEE \*DAAD116127

Alle Flanschschnellverschlüsse am Motor sind mit Gegenflanschen versehen (Blindflanschen), ausgenommen der Anschluss für 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 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

1 x MET 66MB

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

Gueltig fuer Ausfuehrung ELBA und Ausfuehrung ohne ELBA VALID FOR EXECUTION WITH ELBA AND EXECUTION WITHOUT ELBA												
Teilnr./No.		0,001										
1		107.390.729.500				FLXATION DIMENSIONS				107.390.729		0,00
PER	Quantity	SED	Material ID		Material Name		Standard or Drawing		Basic Material		Weight	
	ENGINE	NO					Dimension, Dec		Material Standard		GR/NE	
	Free spot											
		G-Code		Main Use						H		
		XXXXXX										
		Standard		JIS								
Material	Part No.	A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		
		E		E		E		E		E		
		A		E		B		C		D		

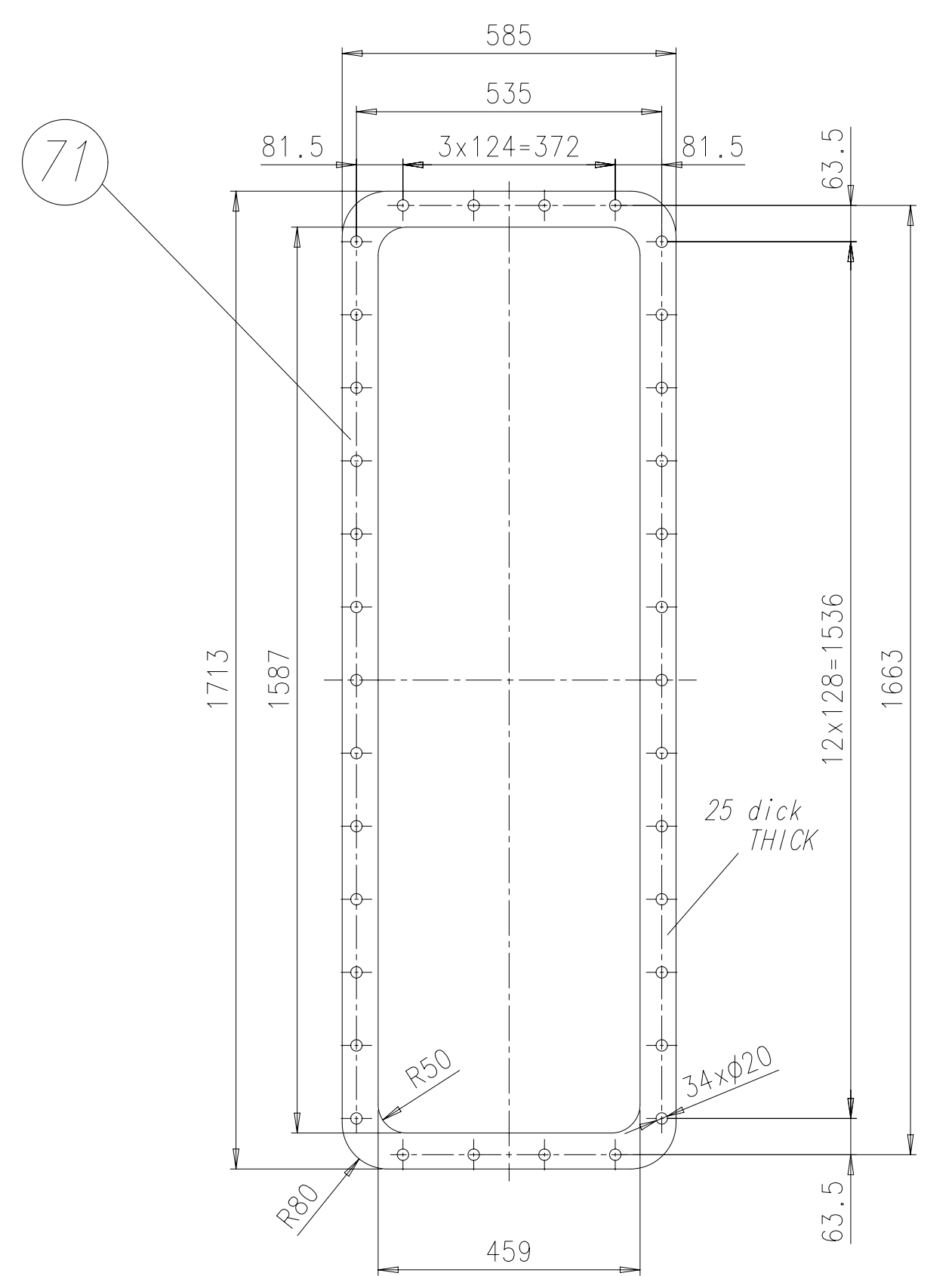
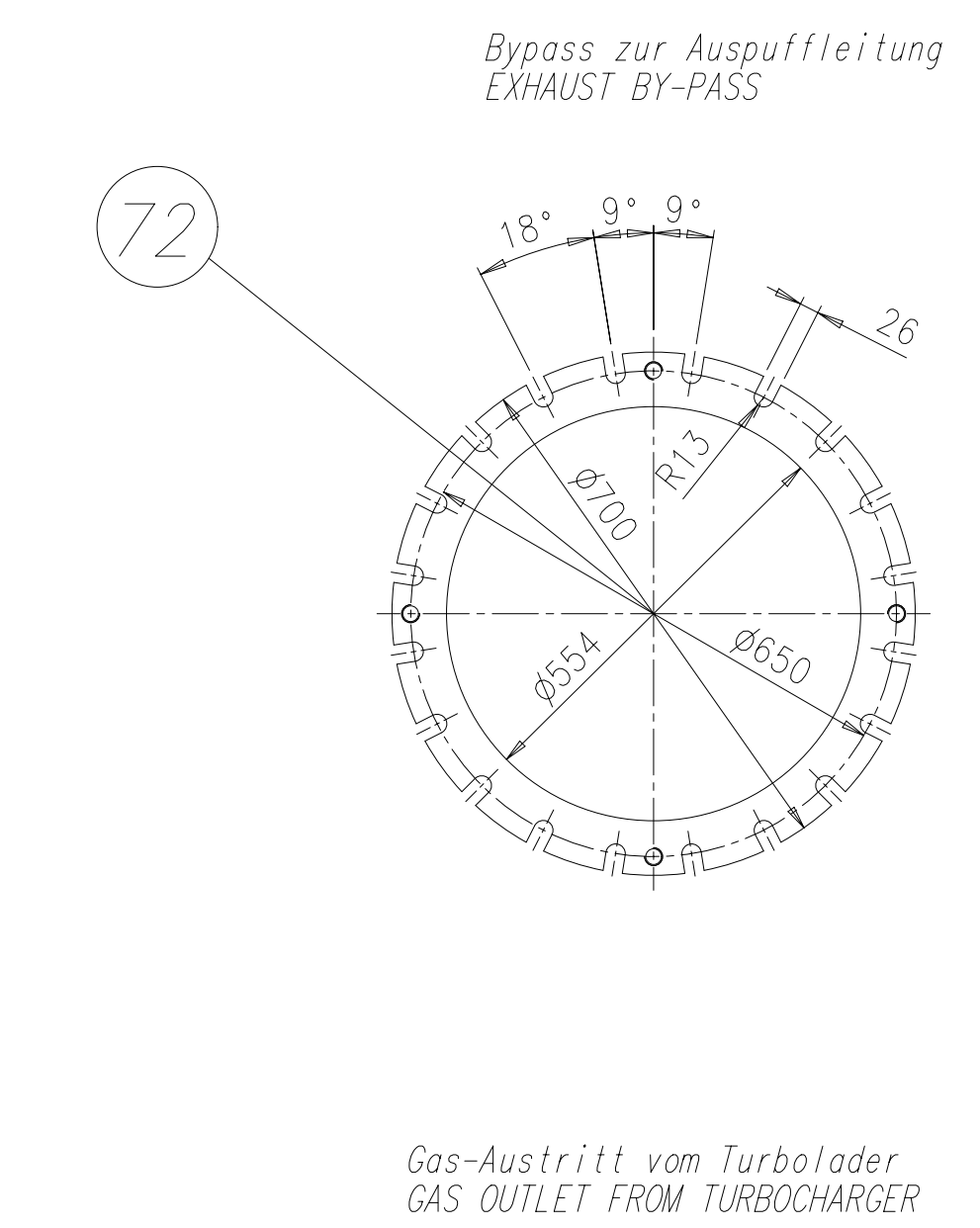
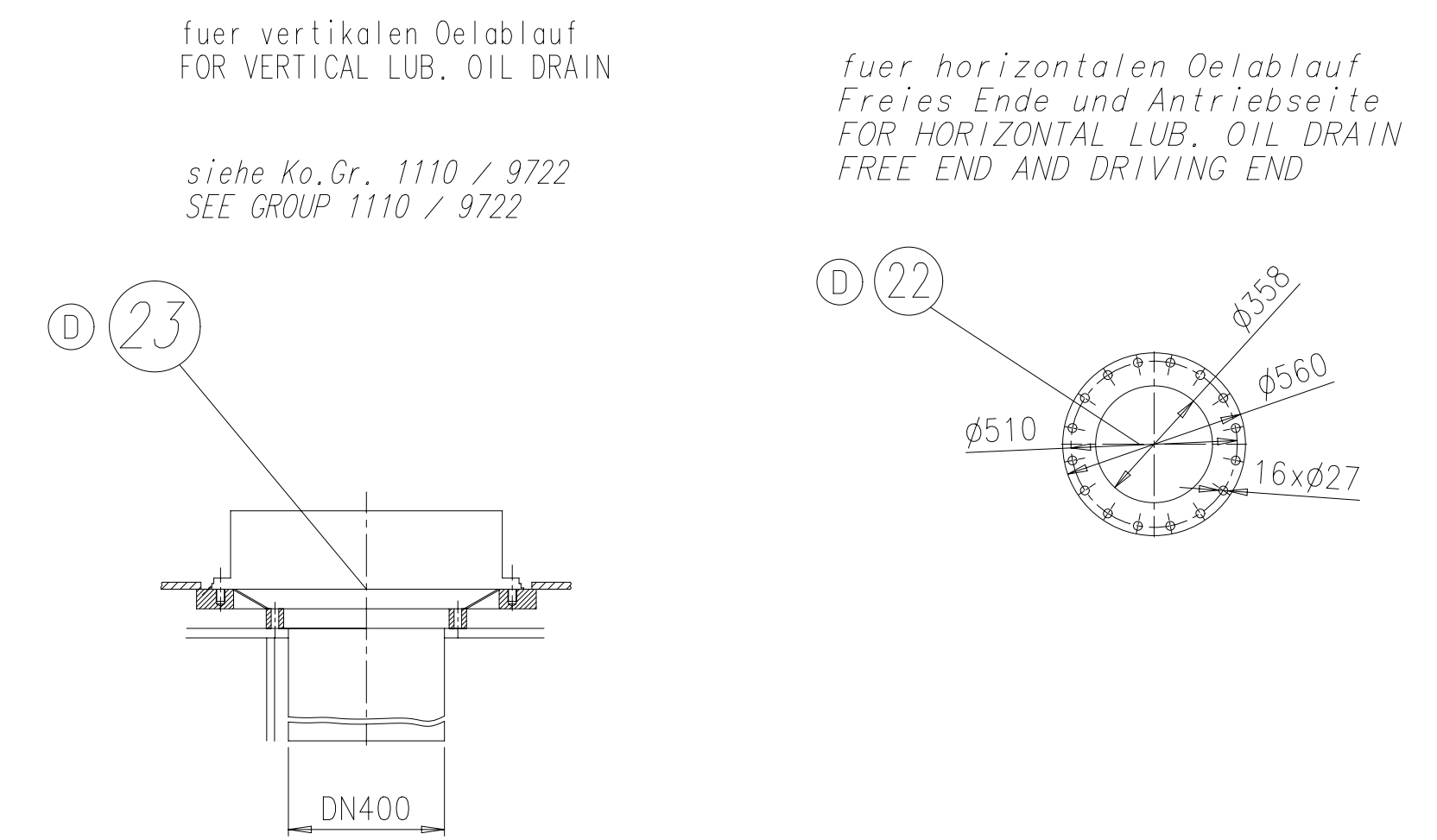
		Product 5X72		PIPE CONNECTION PLAN  Rohranschlussplan					
Units: mm kg		NX				Basic Material:		Net Weight:	
Made 29.07.2016		Utkarsh Bhaogi		Scale 1:40		Size A0		Paper 1/2	
13.04.2016		iha003 Herges		Design Group		Material			
13.04.2016		bha009 Haag		8020		Drawing ID		DAA076023	
Cited								Rev. D	



*1) Optionale Ausführung ( wenn verlangt ) OPTIONAL EXECUTION ( IF REQUIRED )				Leitungs-Anschlüsse PIPE-CONNECTIONS				
①	*2) Standard Ausführung STANDARD EXECUTION			Ko.Gr. KO, GR.	Freies Ende FREE END	Antriebsseite DRIVING END	Abgasseite EXHAUST SIDE	Bremsablassseite BRAKE FLUID SIDE
	Vorschlag, endgültige Position in Übereinstimmung mit Werft zu bestimmen PROPOSAL TO DETERMINE FINAL POSITION IN ACCORDANCE WITH SHIPYARD							
1		Zylinderkühlwasser Eintritt CYLINDER COOLING WATER INLET	DN 150 PN 10	8301	X		X	
2		Kühlwasserltg. Zylindereinsatz Eintritt COOLING WATER PIPE CYL. LINER INLET	DN 80 PN 10	8305	X		X	
3		Zylinderkühlwasser Austritt CYLINDER COOLING WATER OUTLET	DN 150 PN 5	8310	X		X	
4		Zylinderkühlwasser Entlüftung Eintritt CYLINDER COOLING WATER VENTING	DN PN	8310	Nicht benötigt NOT USED			
5		Zylinderkühlwasser Entleerung Austritt CYLINDER COOLING WATER DRAIN OUTLET	DN 20 PN 5	8313	X		X	
6		SLK Entleerung Austritt SAC DRAIN OUTLET	DN PN	8314	Nicht benötigt NOT USED			
7		SLK-NT-Kühlwasser Eintritt SAC-LT-COOLING WATER INLET	DN 200 PN 5	8335	X		X	
8		SLK-NT-Kühlwasser Austritt SAC-LT-COOLING WATER OUTLET	DN 200 PN 5	8335	X		X	
9		SLK-HT-Kühlwasser Eintritt SAC-HT-COOLING WATER INLET	DN PN	8335	Nicht benötigt NOT USED			
10		SLK-HT-Kühlwasser Austritt SAC-HT-COOLING WATER OUTLET	DN PN	8335	Nicht benötigt 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		Öliges Wasser vom Receiver Austritt OILY WATER FROM RECEIVER OUTLET	DN 50 PN 5	8352		X	X	
14		Turbolader Schmutzwasser Austritt TURBOCHARGER DIRTY WATER OUTLET	DN PN	8355	Nicht benötigt NOT USED			
15		Ablauf vom Wasserabscheider Austritt WATER DRAIN FROM WATERSEPARATOR OUTLET	DN PN	8356	Nicht benötigt 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 32 PN 5	8357		X	X	
18		SLK Entlüftung Entlüftung SAC VENTING VENTING	DN 80 PN 5	8357		X	X	
19								
20								
21								
*1)	 Siehe Detail SEE DETAIL	Ölablauf Grundplatte Horizontal OIL DRAIN BEDPLATE HORIZONTAL		1110	X	X	X	X
*2)		Ölablauf Grundplatte Vertikal OIL DRAIN BEDPLATE VERTICAL		1110 9722	X	X	X	
24		Zylinder Schmieröl Austritt CYLINDER LUB. OIL OUTLET	DN PN	8472	Nicht benötigt NOT USED			
25		Hauptschmieröl Eintritt MAIN LUBRICATING OIL INLET	DN 200 PN 5	8406		X	X	

						Leitungs-Anschlüsse PIPE-CONNECTIONS				
*)3) Externale Ausführung (wenn verlangt) EXTERNAL EXECUTION (IF REQUIRED)						Ko.Gr. KO. GR.	Freies Ende FREE END	Antriebsseite DRIVING END	Abgasseite EXHAUST SIDE	Brennstoffseite FUEL SIDE
D	*3)		Schmieröl Turbolader Eintritt LUBRICATING OIL TURBOCHARGER INLET	DN PN	8430	Nicht benötigt NOT USED				
			Schmieröl Turbolader Austritt LUBRICATING OIL TURBOCHARGER OUTLET	DN 80 PN 5	8431		X	X		
			Spuelöl Automatikfilter Austritt FLUSHING OIL AUTOMATIC FILTER OUTLET	DN PN	8445	Nicht benötigt NOT USED				
			Schmutzöl Ablauf Versorgungseinheit Austritt DIRTY OIL DRAIN SUPPLY UNIT OUTLET	DN PN	8452	Nicht benötigt NOT USED				
			Schmieröl Kreuzkopf Eintritt LUBRICATING OIL CROSSHEAD INLET	DN 125 PN 16	8455		X	X		
			Leckagen vom Motor Austritt DIRTY OIL LEAKAGE FROM ENGINE OUTLET	DN PN	8463	Nicht benötigt NOT USED				
D	*1)		Zylinder Schmieröl Eintritt CYLINDER LUB. OIL (HIGH BN) INLET	DN PN	8475	Nicht benötigt NOT USED				
D			Zylinder Schmieröl Eintritt CYLINDER LUB. OIL (LOW BN) INLET	DN 25 PN 5	8475	X			X	
			Lecköl Antriebsseite Austritt LEAKAGE OIL DRIVING END OUTLET	DN 80 PN 5	8482		X		X	
			Lecköl Freies Ende Austritt LEAKAGE OIL FREE END OUTLET	DN 80 PN 5	8483	X			X	
			Schmutzöl Kolbenunterseite Austritt DIRTY OIL PISTON UNDERSIDE OUTLET	DN 80 PN 5	8487	X			X	
			Lecköl Stopfbuechse Austritt LEAKAGE OIL GLAND BOX OUTLET	DN 40 PN 5	8488	X			X	
			Ölablauf/ltg. Versorgungseinheit Austritt OIL PIPE DRAIN SUPPLY UNIT OUTLET	DN 80 PN 5	8454		X		X	
			Leckageablauf Zylinderblock Austritt LEAKAGE DRAIN CYLINDER BLOCK OUTLET	DN PN	8462	Nicht benötigt NOT USED				
			Anlassluft Eintritt STARTING AIR PIPE INLET	DN 125 PN 30 (A)	8605		X		X	
A			Entlüftung Kurbelgehäuse Austritt VENTING CRANKCASE OUTLET	DN 65 PN 5	8608	X		X		
			Entlüftung Waste Gate Austritt VENTING WASTE GATE OUTLET	DN PN	8609	Nicht benötigt NOT USED				
			Entlüftung Turbolader Austritt VENTING TURBOCHARGER OUTLET	DN 80 PN 5	8610		X	X		
D			Entlüftung Zylinderkühlwasser Austritt VENTING CYLINDER COOLING WATER OUTLET	DN PN		Nicht benötigt NOT USED				
			Steuerluftversorgung Eintritt CONTROL AIR SUPPLY INLET	DN 15 PN 10	8630	X			X	
			Steuerluftversorgung Eintritt CONTROL AIR SUPPLY INLET	DN PN	4605	Nicht benötigt NOT USED				
			Brennstoff Eintritt FUEL INLET	DN 65 PN 16	8702		X		X	
			Brennstoffruecklauf Austritt FUEL RETURN OUTLET	DN 65 PN 16	8704		X		X	

					Leitungs-Anschlüsse PIPE-CONNECTIONS				
					Ko.Gr. KO. GR.	Freies Ende FREE END	Antriebsseite DRIVING END	Abgasseite EXHAUST SIDE	Brennstoffseite FUEL SIDE
C	51		Leckbrennstoff Rail Unit Austritt FUEL LEAKAGE RAIL UNIT OUTLET	DN 50 PN 5	8740	X			X
	52		Leckbrennstoff Austritt FUEL LEAKAGE OUTLET	DN 40 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		Diverse Leckagen Austritt VARIOUS LEAKAGE OUTLET	DN 40 PN 5	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	DN PN	8103 8108		X	X	
	*1)*2)		Abgas Abblaseventil Austritt EXHAUST WASTE GATE OUTLET	DN PN	8135	IF USED, SEE DAAD116127			
	74								
	75								

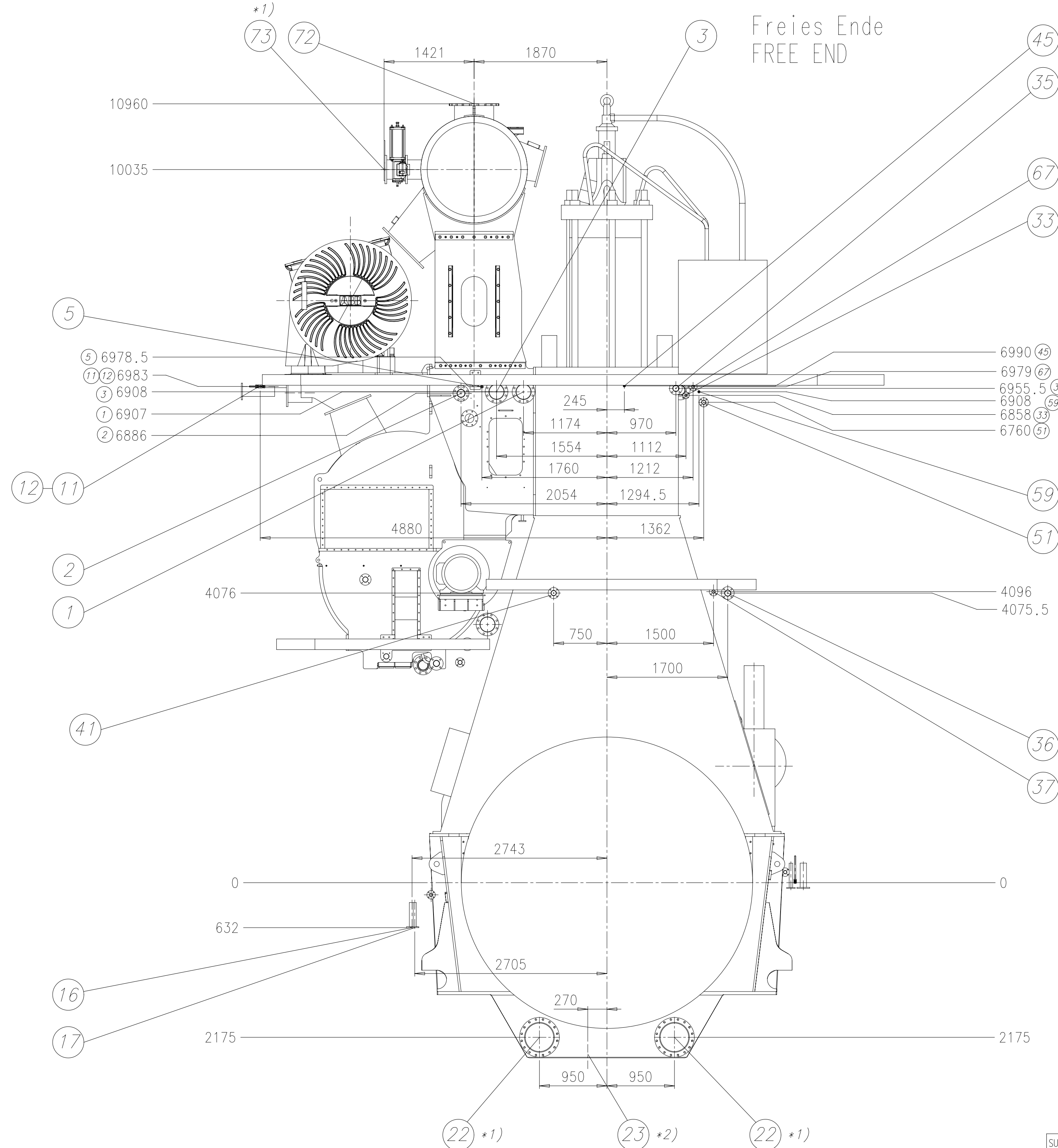
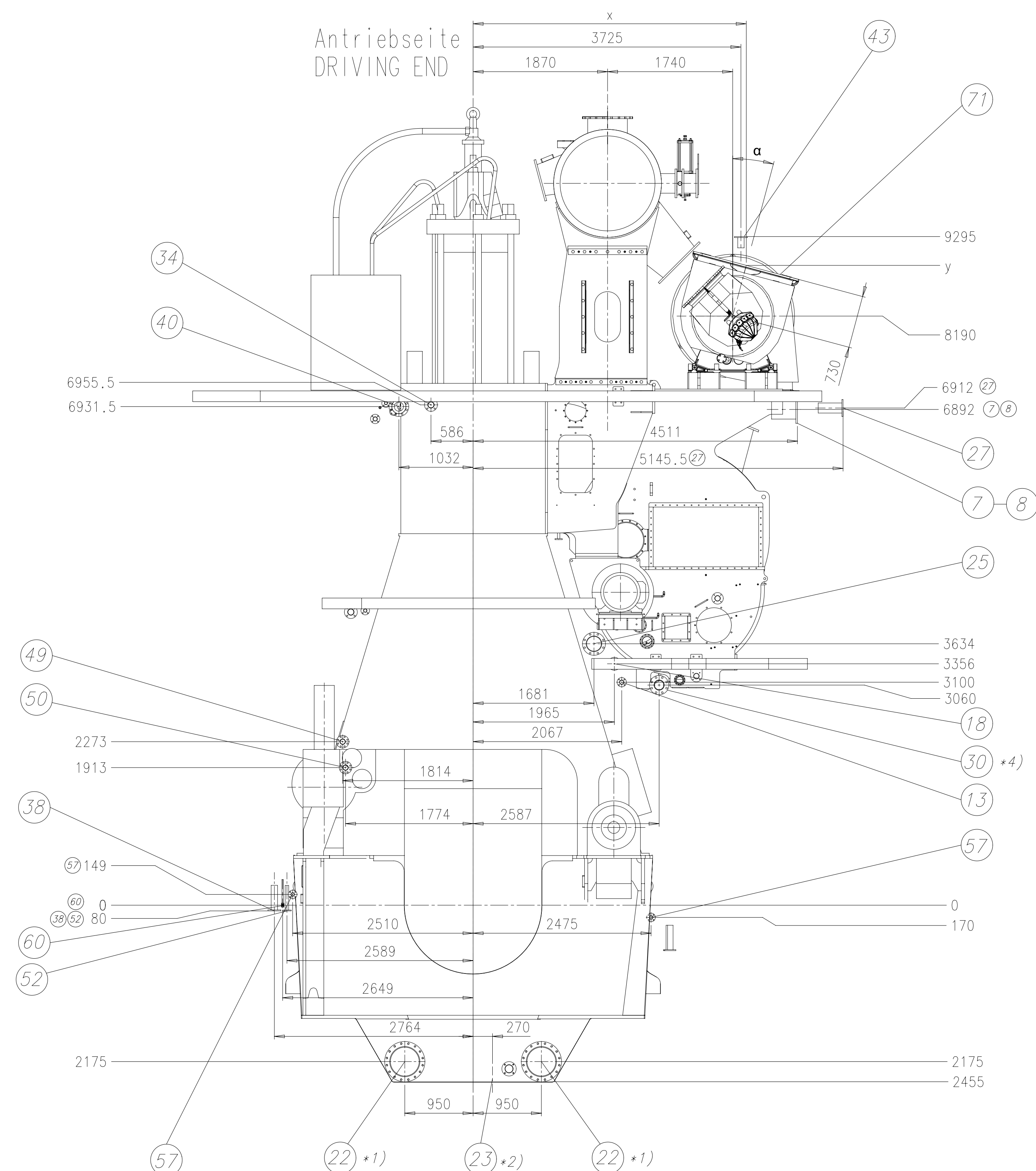
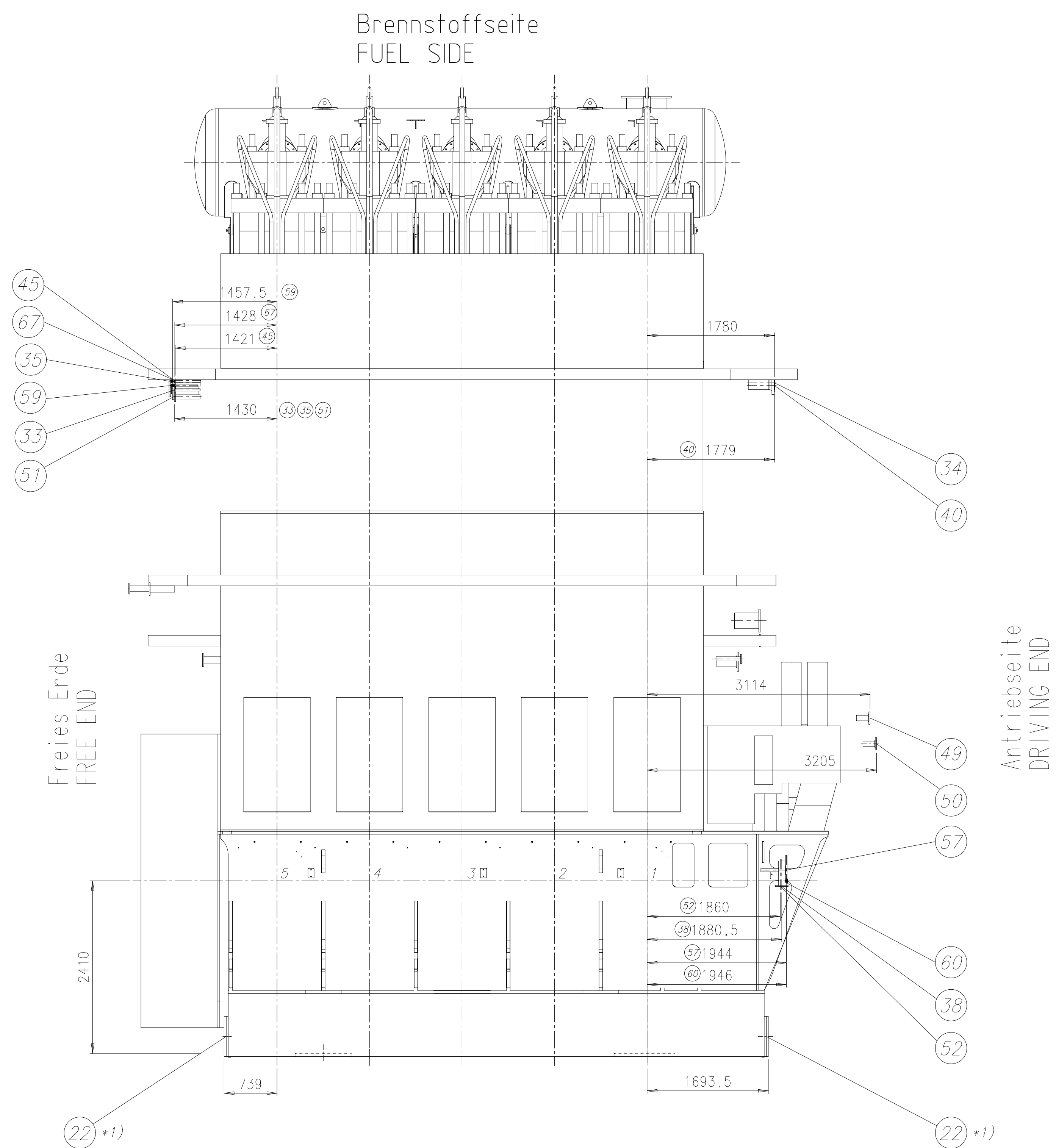
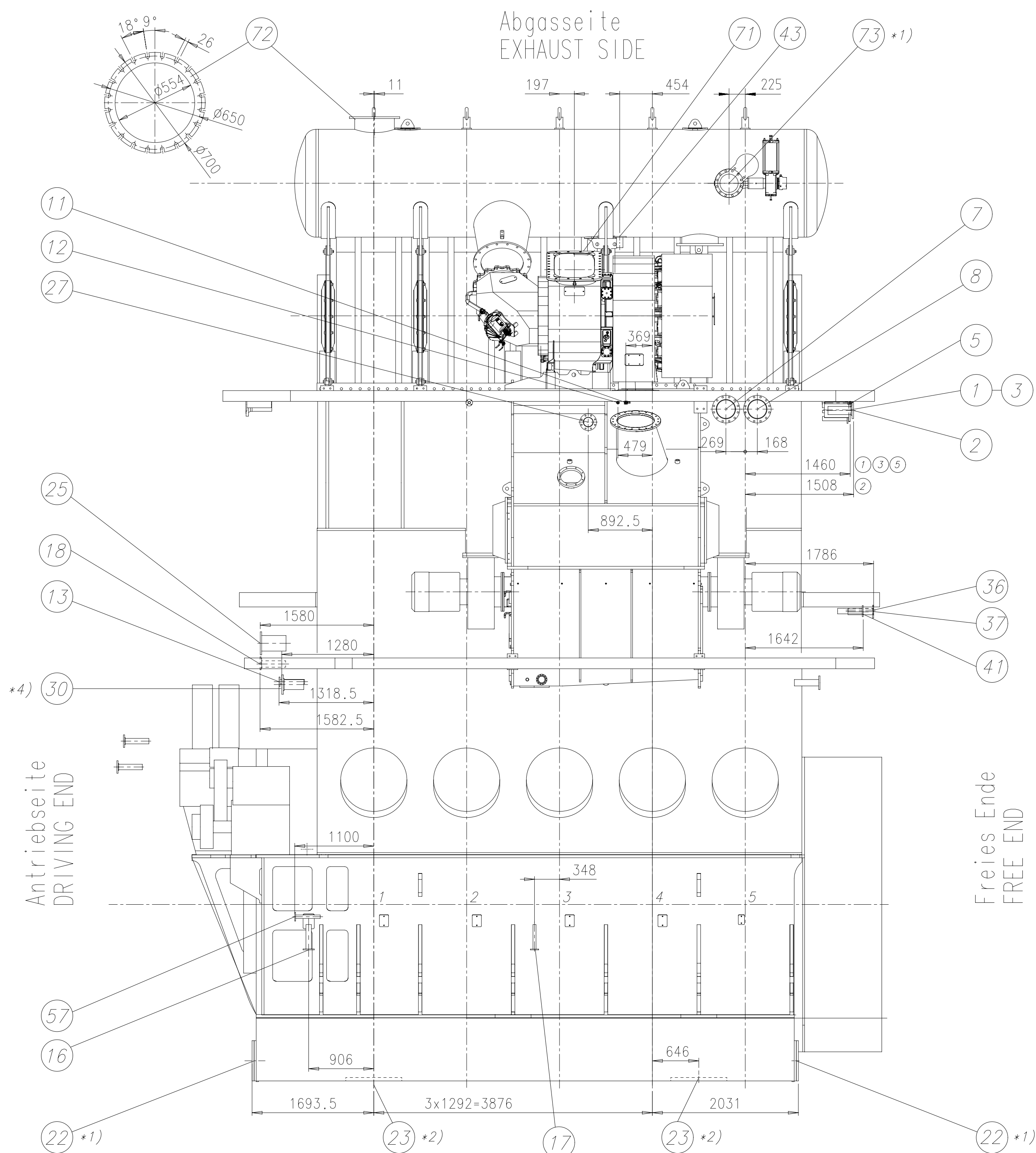


1 x MET 66MB

First Space Last Name										J-Code XXXXXXXX Standard JIS										Main Draw H																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Mod.	A		E		B		C		D		E		F		G		H		I		J		K		L		M		N		O		P		Q		R		S		T		U		V		W		X		Y		Z		AA		AB		AC		AD		AE		AF		AG		AH		AI		AJ		AK		AL		AM		AN		AO		AP		AQ		AR		AS		AT		AU		AV		AW		AX		AY		AZ		BA		BB		BC		BD		BE		BF		BG		BH		BI		BJ		BK		BL		BM		BN		BO		BP		BQ		BR		BS		BT		BU		BV		BW		BX		BY		BZ		CA		CB		CC		CD		CE		CF		CG		CH		CI		CJ		CK		CL		CM		CN		CO		CP		CQ		CR		CS		CT		CU		CV		CW		CX		CY		CZ		DA		DB		DC		DD		DE		DF		DG		DH		DI		DJ		DK		DL		DM		DN		DO		DP		DQ		DR		DS		DT		DU		DV		DW		DX		DY		DZ		EA		EB		EC		ED		EE		EF		EG		EH		EI		EJ		EK		EL		EM		EN		EO		EP		EQ		ER		ES		ET		EU		EV		EW		EX		EY		EZ		FA		FB		FC		FD		FE		FF		FG		FH		FI		FJ		FK		FL		FM		FN		FO		FP		FQ		FR		FS		FT		FU		FV		FW		FX		FY		FZ		GA		GB		GC		GD		GE		GF		GG		GH		GI		GJ		GK		GL		GM		GN		GO		GP		GQ		GR		GS		GT		GU		GV		GW		GX		GY		GZ		HA		HB		HC		HD		HE		HF		HG		HH		HI		HJ		HK		HL		HM		HN		HO		HP		HQ		HR		HS		HT		HU		HV		HW		HX		HY		HZ		IA		IB		IC		ID		IE		IF		IG		IH		II		IJ		IK		IL		IM		IN		IO		IP		IQ		IR		IS		IT		IU		IV		IW		IX		IY		IZ		JA		JB		JC		JD		JE		JF		JG		JH		JI		JJ		JK		JL		JM		JN		JO		JP		JQ		JR		JS		JT		JU		JV		JW		JX		JY		JZ		KA		KB		KC		KD		KE		KF		KG		KH		KI		KJ		KL		KM		KN		KO		KP		KQ		KR		KS		KT		KU		KV		KW		KX		KY		KZ		LA		LB		LC		LD		LE		LF		LG		LH		LI		LJ		LK		LM		LN		LO		LP		LQ		LR		LS		LT		LU		LV		LW		LX		LY		LZ		MA		MB		MC		MD		ME		MF		MG		MH		MI		MJ		MK		ML		MN		MO		MP		MQ		MR		MS		MT		MU		MV		MW		MX		MY		MZ		NA		NB		NC		ND		NE		NF		NG		NH		NI		NJ		NK		NL		NM		NN		NO		NP		NQ		NR		NS		NT		NU		NV		NW		NX		NY		NZ		OA		OB		OC		OD		OE		OF		OG		OH		OI		OJ		OK		OL		OM		ON		OO		OP		OQ		OR		OS		OT		OU		OV		OW		OX		OY		OZ		PA		PB		PC		PD		PE		PF		PG		PH		PI		PJ		PK		PL		PM		PN		PO		PP		PQ		PR		PS		PT		PU		PV		PW		PX		PY		PZ		QA		QB		QC		QD		QE		QF		QG		QH		QI		QJ		QK		QL		QM		QN		QO		QP		QQ		QR		QS		QT		QU		QV		QW		QX		QY		QZ		RA		RB		RC		RD		RE		RF		RG		RH		RI		RJ		RK		RL		RM		RN		RO		RP		RQ		RR		RS		RT		RU		RV		RW		RX		RY		RZ		SA		SB		SC		SD		SE		SF		SG		SH		SI		SJ		SK		SL		SM		SN		SO		SP		SQ		SR		SS		ST		SU		SV		SW		SX		SY		SZ		TA		TB		TC		TD		TE		TF		TG		TH		TI		TJ		TK		TL		TM		TN		TO		TP		TQ		TR		TS		TU		TV		TW		TX		TY		TZ		UA		UB		UC		UD		UE		UF		UG		UH		UI		UJ		UK		UL		UM		UN		UO		UP		UQ		UR		US		UT		UU		UV		UW		UX		UY		UZ		VA		VB		VC		VD		VE		VF		VG		VH		VI		VJ		VK		VL		VM		VN		VO		VP		VQ		VR		VS		VT		VU		VV		VW		VX		VY		VZ		WA		WB		WC		WD		WE		WF		WG		WH		WI		WJ		WK		WL		WM		WN		WO		WP		WQ		WR		WS		WT		WU		WV		WW		WX		WY		WZ		XA		XB		XC		XD		XE		XF		XG		XH		XI		XJ		XK		XL		XM		XN		XO		XP		XQ		XR		XS		XT		XU		XV		XW		XX		XY		XZ		YA		YB		YC		YD		YE		YF		YG		YH		YI		YJ		YK		YL		YM		YN		YO		YP		YQ		YR		YS		YT		YU		YV		YW		YX		YY		YZ		ZA		ZB		ZC		ZD		ZE		ZF		ZG		ZH		ZI		ZJ		ZK		ZL		ZM		ZN		ZO		ZP		ZQ		ZR		ZS		ZT		ZU		ZV		ZW		ZX		ZY		ZZ	
	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date	Number	Draw	date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																



Download  
"DXF file"



Gasaustritt-Stellung GAS OUTLET POSITION 	$x$	$y$
0°	3610	8920
15°	3799	8895
30°	3975	8822
45°	4126	8706

\*1) Optionelle 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 DETERMINATED  
IN ACCORDANCE WITH SHIPYARD

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

\*4) ONLY FOR ENGINE EQUIPPED WITH HIGH PRESSURE CROSSHEAD BEARING LUBRICATION

Alle Flanschschniesse 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 x A275

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

	0,001																		
PER ENGINE	Identify SERIAL NO.	1	001	107.390.729.500	FLANGE DIMENSIONS								107.390.729					0,0	
	Material ID				Material Name								Standard or Drawing		Basic Material Material Standard				Weight GRAM
	Free Space												Drawing		I-Code XXXXXX				Part Name
	Model														Standard JIS				Part No.
	Number				Number		Number		Number		Number		Number		Number		Drawn date		
	Drawn date																		
	Release																		
<div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><p>Winning Gear &amp; Diesel</p></div><div style="width: 50%; text-align: center;"><p>w5x72</p><h2>PIPE CONNECTION PLAN</h2><h3>Rohranschlussplan</h3></div></div>																			
0364	Units mm kg		NX			Basic Material		Scale 1:4.0		Size A0	Page 1/2	Material ID	Net Weight						
	Made In	19 10 ZÜRICH		Suisse SHI				Design Group								Rev.			
	Cred	30.01.2019		zsw107.390															
	Dated	31.01.2019		hdw102.1 Darme				8020				DAAD107433							
to ISO2768-mK																			



[illegible]

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			
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 <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	Drawing ID <b>107.390.729</b>										Rev <b>A</b>
Appd	27.09.2007	B. Haag				<b>8020</b>											

## WinGD-6X72 \_Pipe-Connection-Plan

### TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2018-02-26	DRAWING SET	First web upload
2018-12-24	DAAD076023 DAAD107433	Revised pipe connection plan for Turbocharger type 1 x MET66MB has been updated and Turbocharger type 1 x A275 has been added.
2021-05-20	PAAD161229 PAAD220292 PAAD309950	Revised pipe connection plan for Turbocharger type 1 x MET60MB, 1 x MET66MB and 1 x A275 has 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.