

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	PAAD187129	DISMANTLING DIMENSIONS				0.001
Prod.	6 X72-B						
Change History							
	B	wta101	sth017	20.12.2022	CNAA002978	iELBA added	4 3
	A	ihe003	mda006	16.04.2019	EAAD090396	Legacy information. See corresponding ChangeNotice	3 2
	-	ada101	hdo002	16.03.2018		-	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>			ENGINE OUTLINE VIEW HP-SCR-INTERFACE				
Bill Of Material			Dimension				
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			Main Design Yes		Design Group 0812	Q-Code XXXXX	Standard WDS
			Qty per Engine	A4	Item ID PAAD288814	BOM Page/s	01/01

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Abgasseite
EXHAUST SIDE

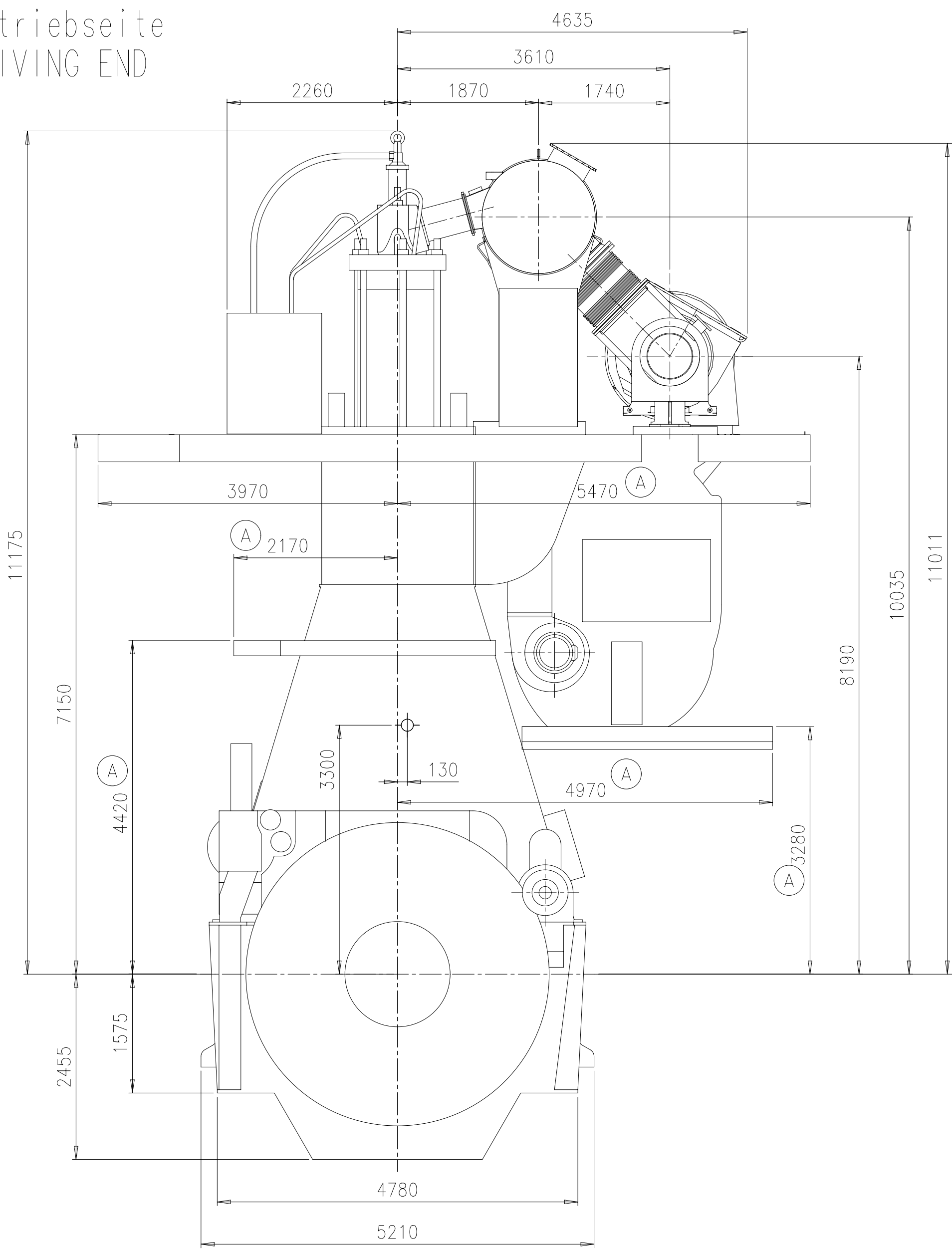
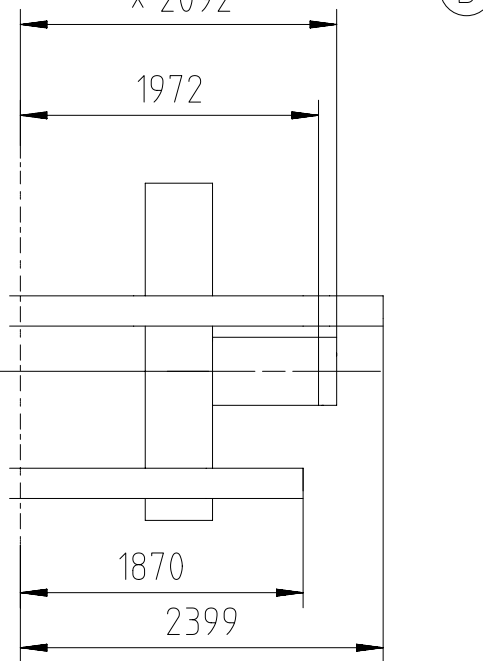
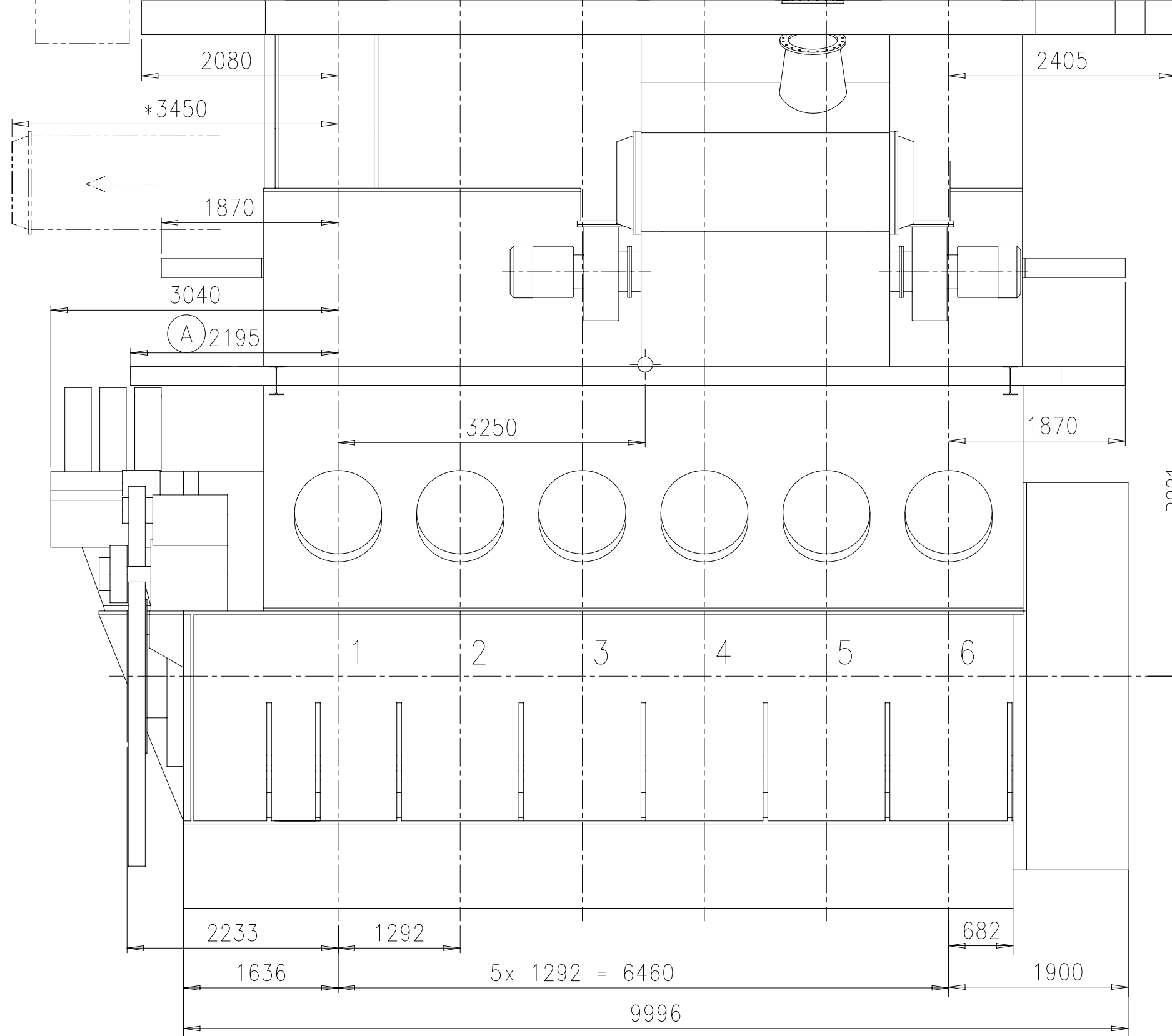
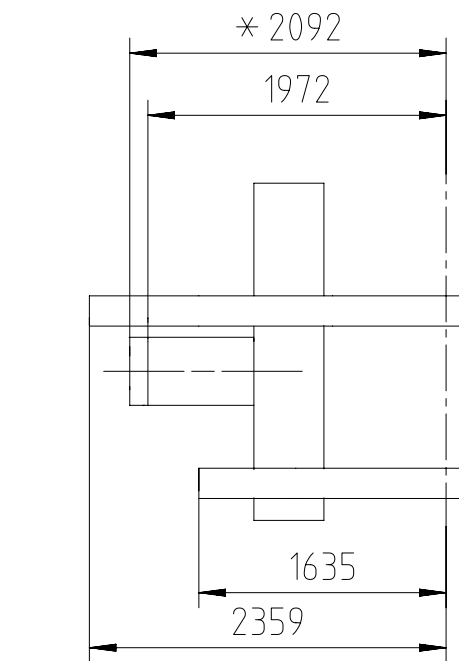
PIPE CONNECTION FROM SHIPYARD
FREE OF FORCES AND MOMENTS
COMPESATOR / BELLOW TO BE APPLIED
FOR POSITIONING & INSTALLATION
SEE DG 8020
THERMAL ELONGATION SEE REMARKS
ON H-DRAWING 8155

PIPE CONNECTION FROM SHIPYARD
FREE OF FORCES AND MOMENTS
COMPESATOR / BELLOW TO BE APPLIED
FOR POSITIONING & INSTALLATION
SEE DG 8020
THERMAL ELONGATION SEE REMARKS
ON H-DRAWING 8155

ONLY FOR DESIGN WITH iELBA

ONLY FOR DESIGN WITH iELBA

Antriebsseite
DRIVING END



TOOLS FOR PISTON
AND CYL. COVER
DISMANTLING

RECOMMENDED AREA TO
BE COVERED BY THE
ENGINE ROOM CRANE

PLATFORM
OUTLINE

MINIMUM AREA TO
BE COVERED BY THE
ENGINE ROOM CRANE

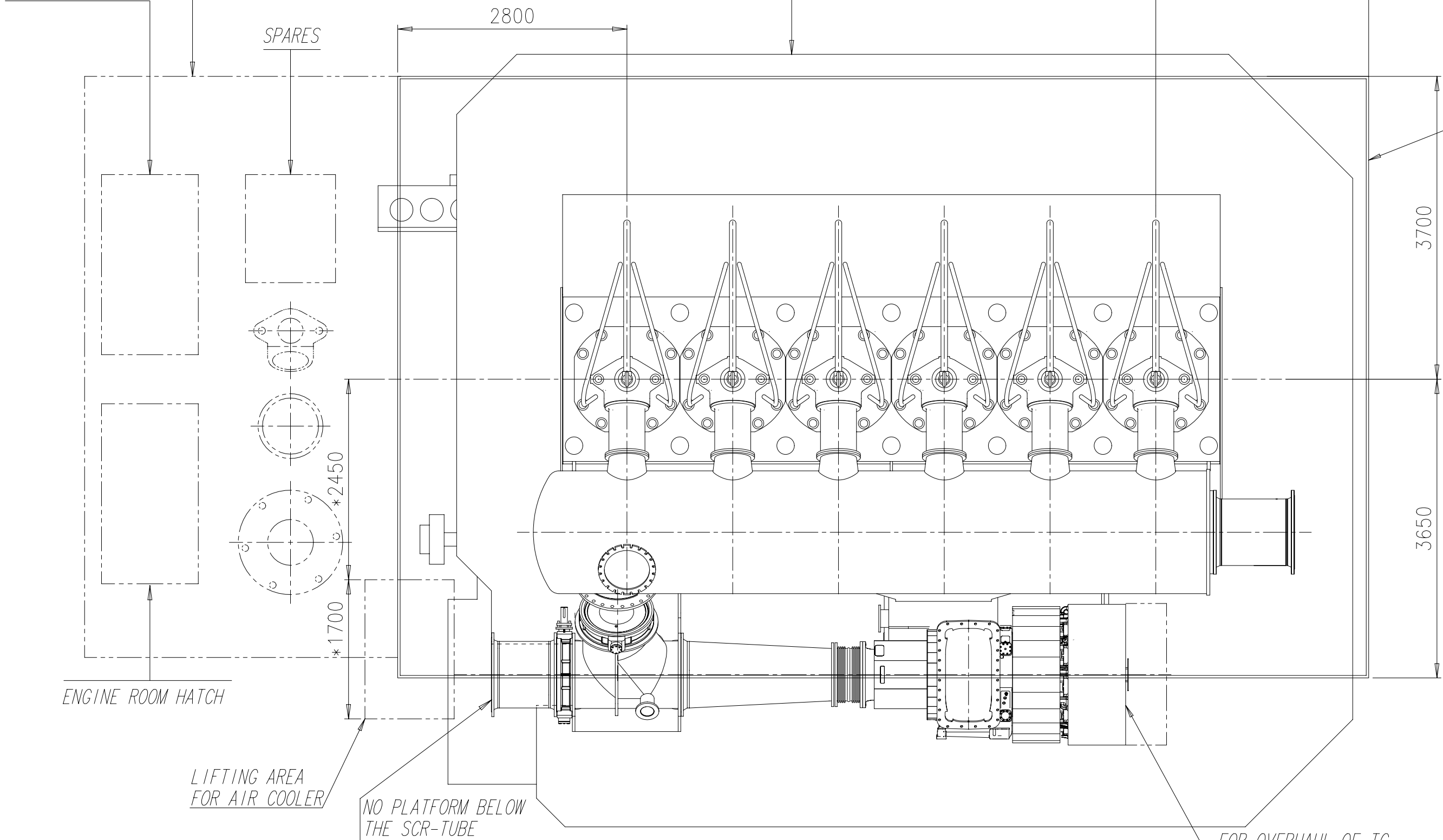
Drawn for TC A275-L

Gewicht ohne Wasser und Öl= 561 t
WEIGHT WITHOUT WATER AND OIL

* Platz fuer Demontage
SPACE FOR REMOVAL

ca. Schwerpunkt
APPROX. CENTRE OF GRAVITY

TURBOCHARGER 1x A175-L axial
1x A275-L



DIMENSIONS ONLY FOR REFERENCE
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PLEASE TAKE CORRESPONDING DESIGN GROUP

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

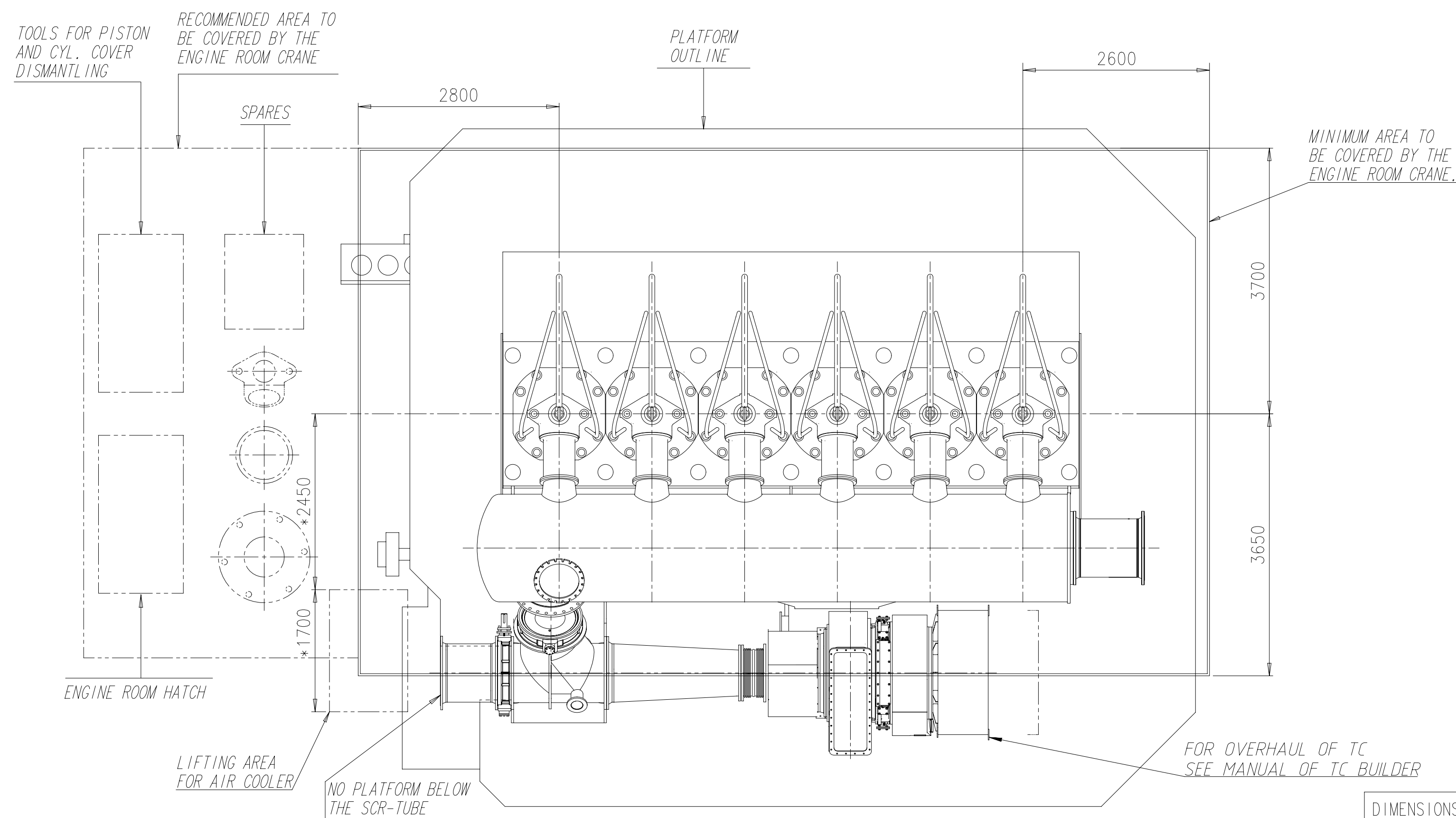
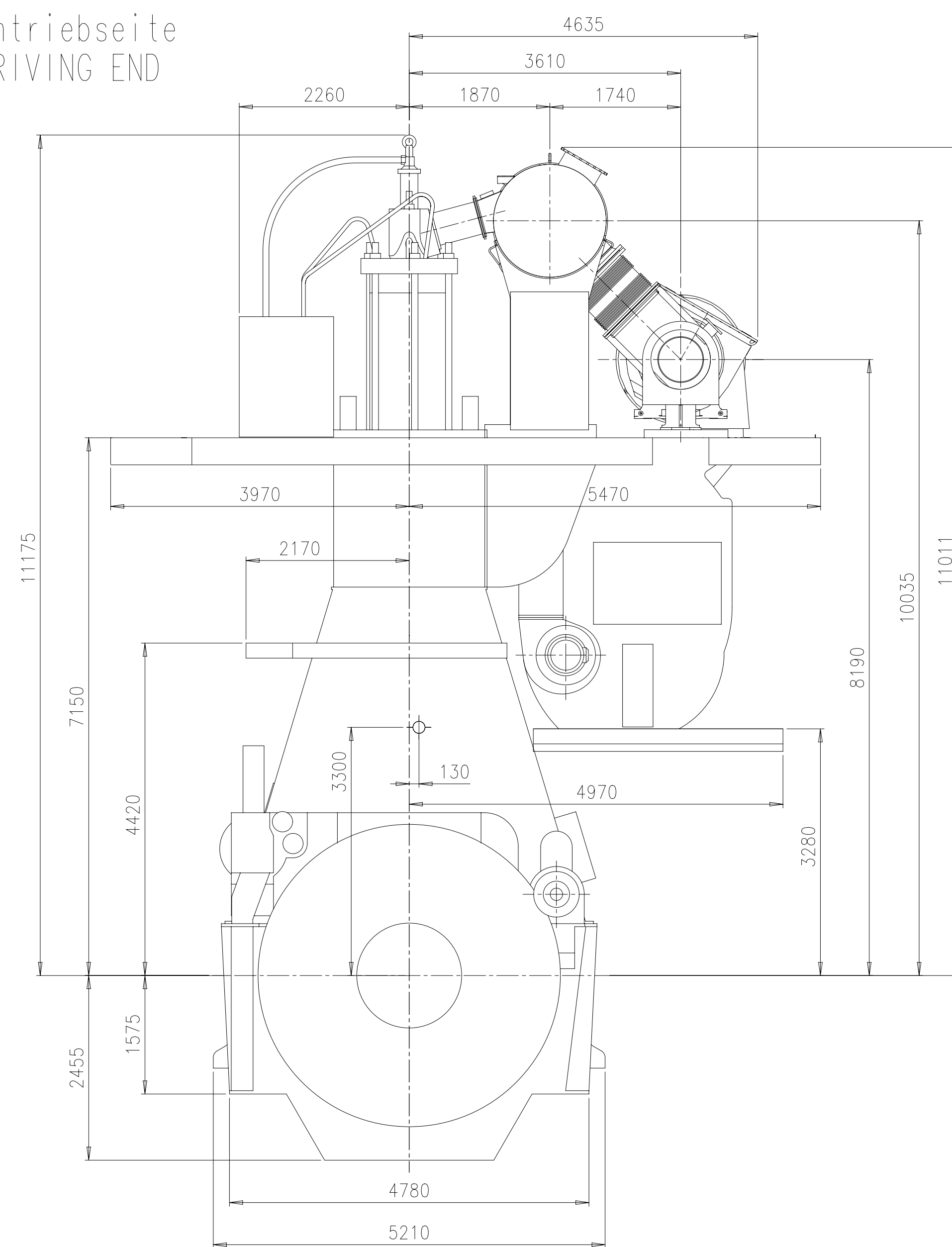
Prod.	6X72-B							
Change History	B	wla101	sth017	20.12.2022	CNA002978	iELBA added	4	3
	A	ihe003	mda006	16.04.2019	EAAD090396	Legacy information. See corresponding ChangeNotice	3	2
	-	ada101	hda002	16.03.2018	-	-	-	-
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code
WINGD		ENGINE OUTLINE VIEW HP-SCR-INTERFACE						
separate BOM available		Dimension						
Scale	1:50	Units	[mm]	[kg]	Basic Material		Net Weight	
Main Design	Yes	Design Group	0812		Q-Code	XXXXX	Standard	WDS
Qty per	Engine	Item ID	PAAD288814		Drawing Page/s		1/1	

Abgasseite
EXHAUST SIDE

PIPE CONNECTION FROM SHIPYARD
FREE OF FORCES AND MOMENTS
COMPESATOR / BELLOW TO BE APPLIED
FOR POSITIONING & INSTALLATION
SEE DG 8020
THERMAL ELONGATION SEE REMARKS
ON H-DRAWING 8155

PIPE CONNECTION FROM SHIPYARD
FREE OF FORCES AND MOMENTS
COMPESATOR / BELLOW TO BE APPLIED
FOR POSITIONING & INSTALLATION
SEE DG 8020
THERMAL ELONGATION SEE REMARKS
ON H-DRAWING 8155

Antriebseite
DRIVING END



Gewicht ohne Wasser und Oel= 561 t
WEIGHT WITHOUT WATER AND OIL

* Platz fuer Demontage
SPACE FOR REMOVAL

ca. Schwerpunkt
APPROX. CENTRE OF GRAVITY

TURBOCHARGER MET66 MB axial

Net Weight		TURBOCHARGER MET166 MB ax1d1									
0,001											
1	001	PAAD187129	DISMANTLING DIMENSIONS				DAAD064846				0,001
Quantity ENGINE	SEQ No	Material ID	Material Name		Dimension, Occ		Standard or Drawing	Basic Material Material Standard		Weight GR/NET	
PAAD324858	Free spare for lic								A-Code XXXXXX Standard ISO; JIS		Main Drw. H
Material ID	Modif.	EAAD090617	24.04.2019								
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	
Product W6X72-B			ENGINE OUTLINE VIEW HP-SCR-INTERFACE Motoransichten HP-SCR-Interface								
WIN GD Winterthur Gas & Diesel											
Units	mm kg	NX			Basic Material					Net Weight	
Made	17.04.2019	gli101 Licuria			Scale 1:50		Size A1	Page 1/1	Material ID		
Chkd	25.04.2019	the003 Hercog			Design Group		0812		Drawing ID	DAAD114478	Rev. -
Appd	25.04.2019	mda006 Dacic									
502768-mk											

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PLEASE TAKE CORRESPONDING DESIGN GROUP

SURFACE PROTECTION SEE GROUP 0344	Made	17.04.2019	gli101 Licuria	Scale	1:50	Size	A1	Page	1/1	Material	ID	DAAD114478	Rev.	-
TOLERANCING PRINCIPLE ISO8015	Chkd	25.04.2019	ihe003 Herceg	Design Group	0812	Brawing	ID							
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Apprd	25.04.2019	mda006 Dacic											

Abgasseite
EXHAUST SIDE

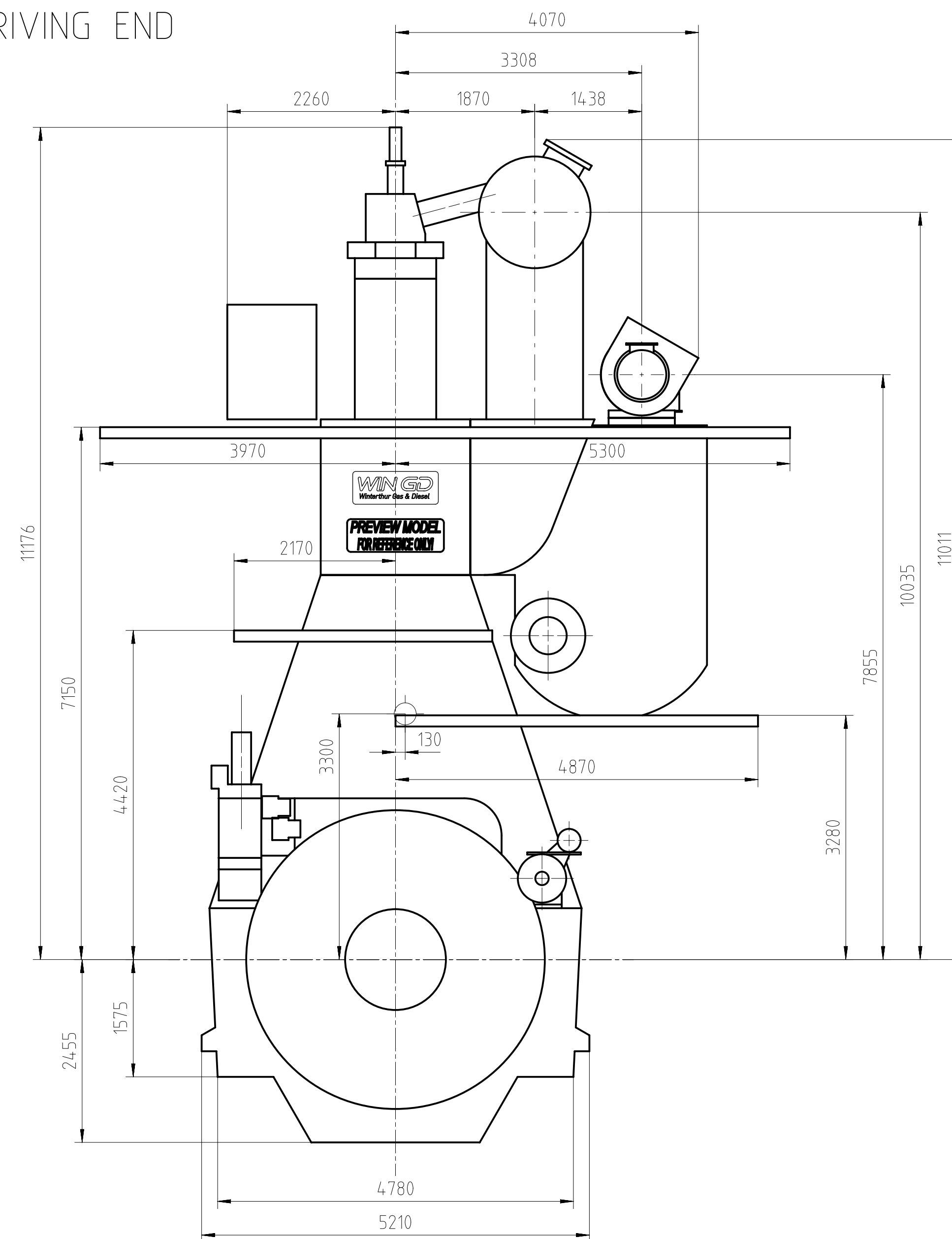
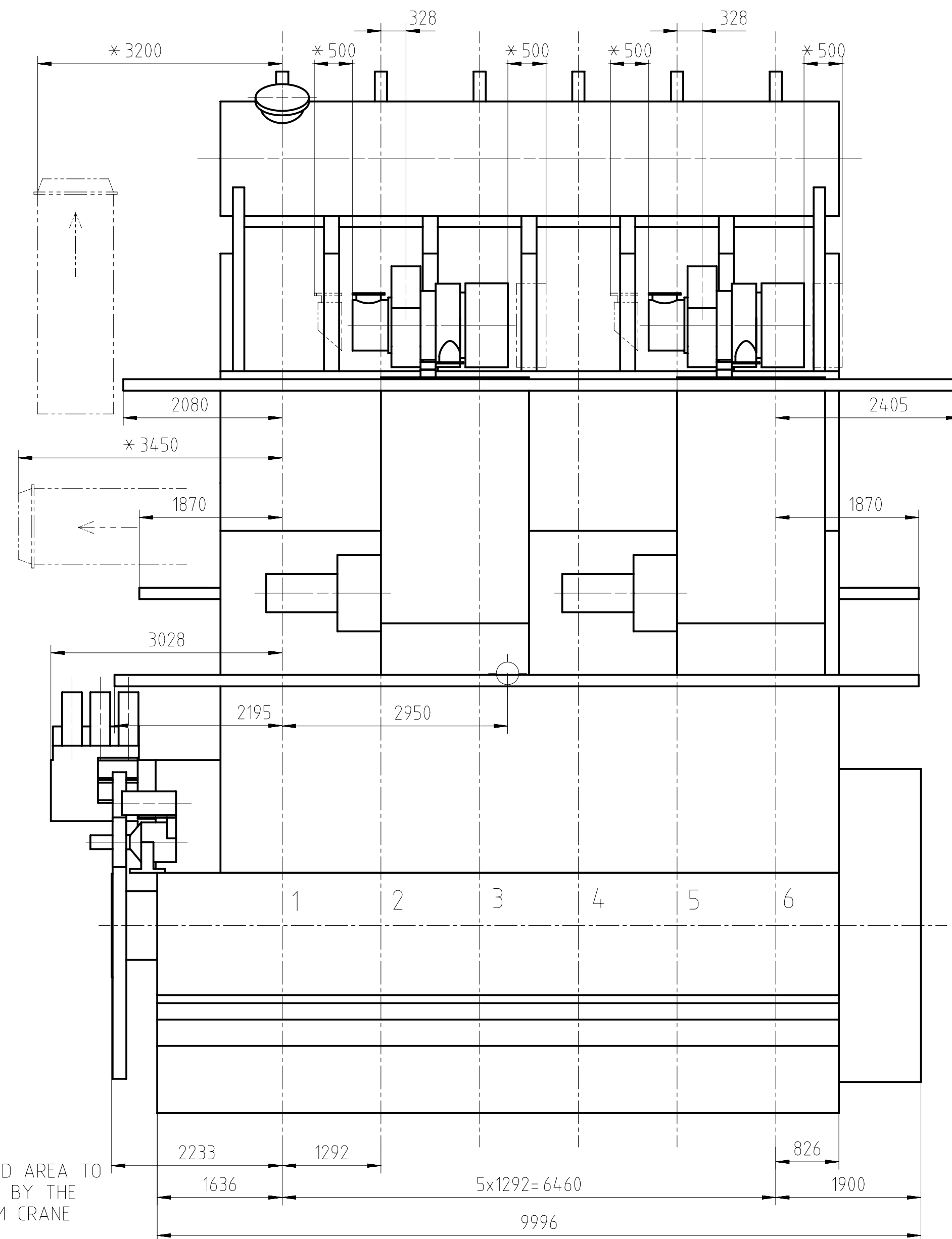


SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	1	PAAD187129	DISMANTLING DIMENSIONS				0.001
Prod.	6 X72-B						
Change History							
	-	zli101	sth017	30.10.2023	CNAA004745	Main Design/Drawing Introduced	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>			ENGINE OUTLINE VIEW				
Bill Of Material			Dimension				
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			Main Design	Yes	Design Group	0812 Q-Code X X O	Standard WDS
			Qty per	Engine	A4	Item ID PTAA081347	BOM Page/s 01/01

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EXHAUST SIDE

DRIVING END



TOOLS FOR PISTON
AND CYL. COVER
DISMANTLING

RECOMMENDED AREA TO
BE COVERED BY THE
ENGINE ROOM CRANE

SPARES

PLATFORM OUTLINE

MINIMUM AREA TO
BE COVERED BY THE
ENGINE ROOM CRANE.

WEIGHT WITHOUT WATER AND OIL = 561 t

* SPACE FOR REMOVAL

 APPROX. CENTRE OF GRAVITY

TURBOCHARGER 2xMET42

[illegible]

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SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mL

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zoo	Main Design	Yes	Design Group	0812	Q-Code	X	X	0	Standard	WDS
	Qty per	Engine	A1	Item ID	PTAA081347				Drawing Page/s	1/1

ENGINE ROOM HATCH-

LIFTING AREA
FOR AIR COOLER

FOR OVERHAUL OF TC
SEE MANUAL OF TC BUILDER

Kolben mit Stange komplett
und Stopfbuechse
PISTON WITH ROD COMPLETE
AND GLAND BOX

Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

X72DF = 2800 kg
X72-B = 2880 kg (B)

Zylindereinsatz und Wasserleitmantel
CYLINDER LINER AND WATER
GUIDE JACKET

Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

X72DF = 6400 kg
X72-B = 6250 kg (B)

Zylinderdeckel mit Auslassventil
komplett und Wasserleitmantel
CYLINDER COVER WITH EXHAUST
VALVE COMPLETE AND WATER
GUIDE JACKET

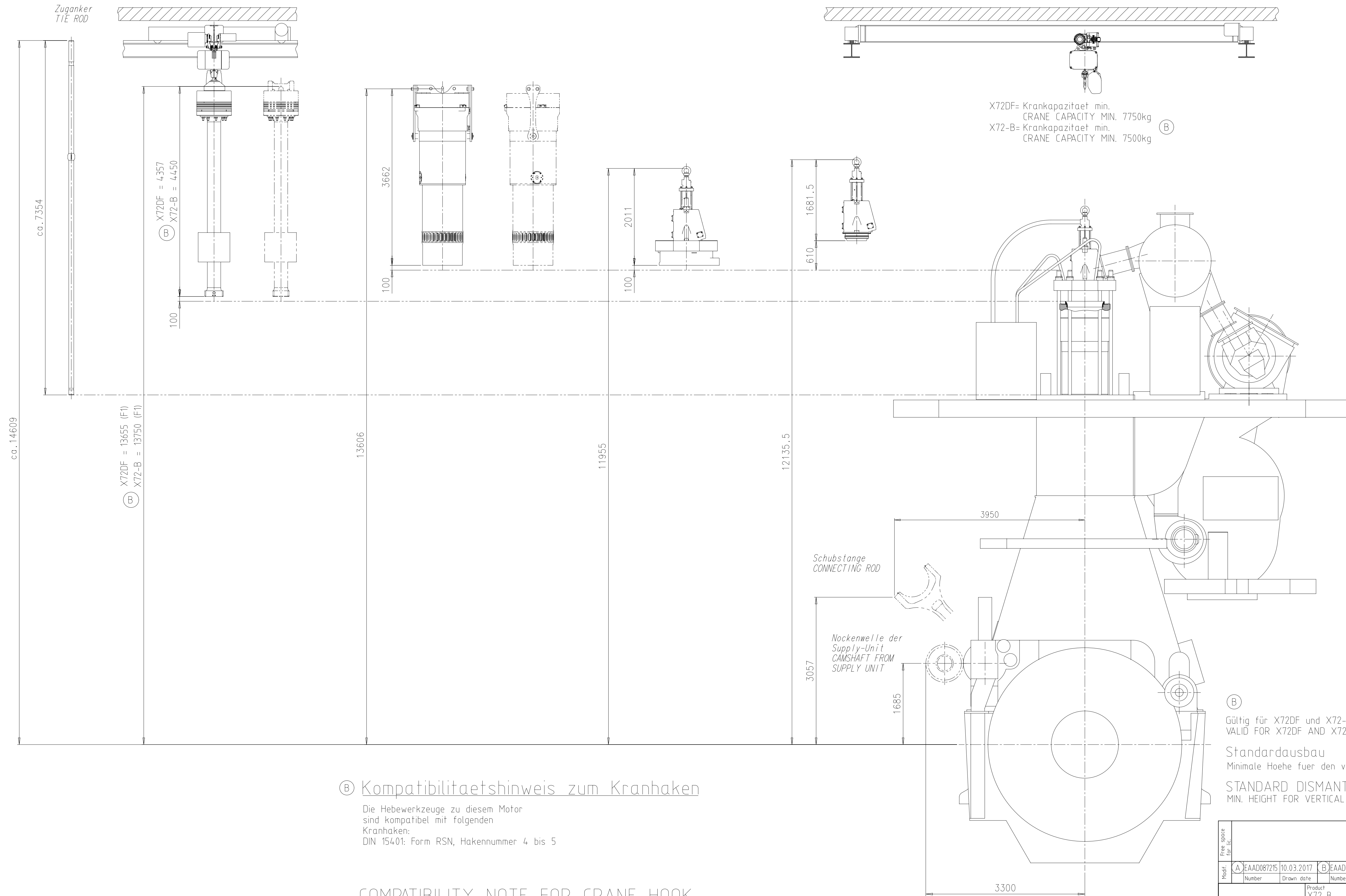
Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

$X72DF = 4180 \text{ kg}$
 $X72-B = 4370 \text{ kg}$

Auslassventil komplett
EXHAUST VALVE COMPLETE

Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

1050 kg (B)



⑤ Kompatibilitaetshinweis zum Kranhaken

Die Hebwerkzeuge zu diesem Motor
sind kompatibel mit folgenden
Kranhaken:
DIN 15401: Form RSN, Hakennummer 4 bis 5

COMPATIBILITY NOTE FOR CRANE HOOK




THE LIFTING TOOLS FOR THIS ENGINE
ARE COMPATIBLE WITH FOLLOWING
CRANE HOOK:
DIN 15401: SHAPE RSN, HOOK NUMBER 4 TO 5

ⓑ

Gültig für X72DF und X72-B
VALID FOR X72DF AND X72-B

Standardausbau
Minimale Hoehe fuer den vertikalen Ausbau: F1

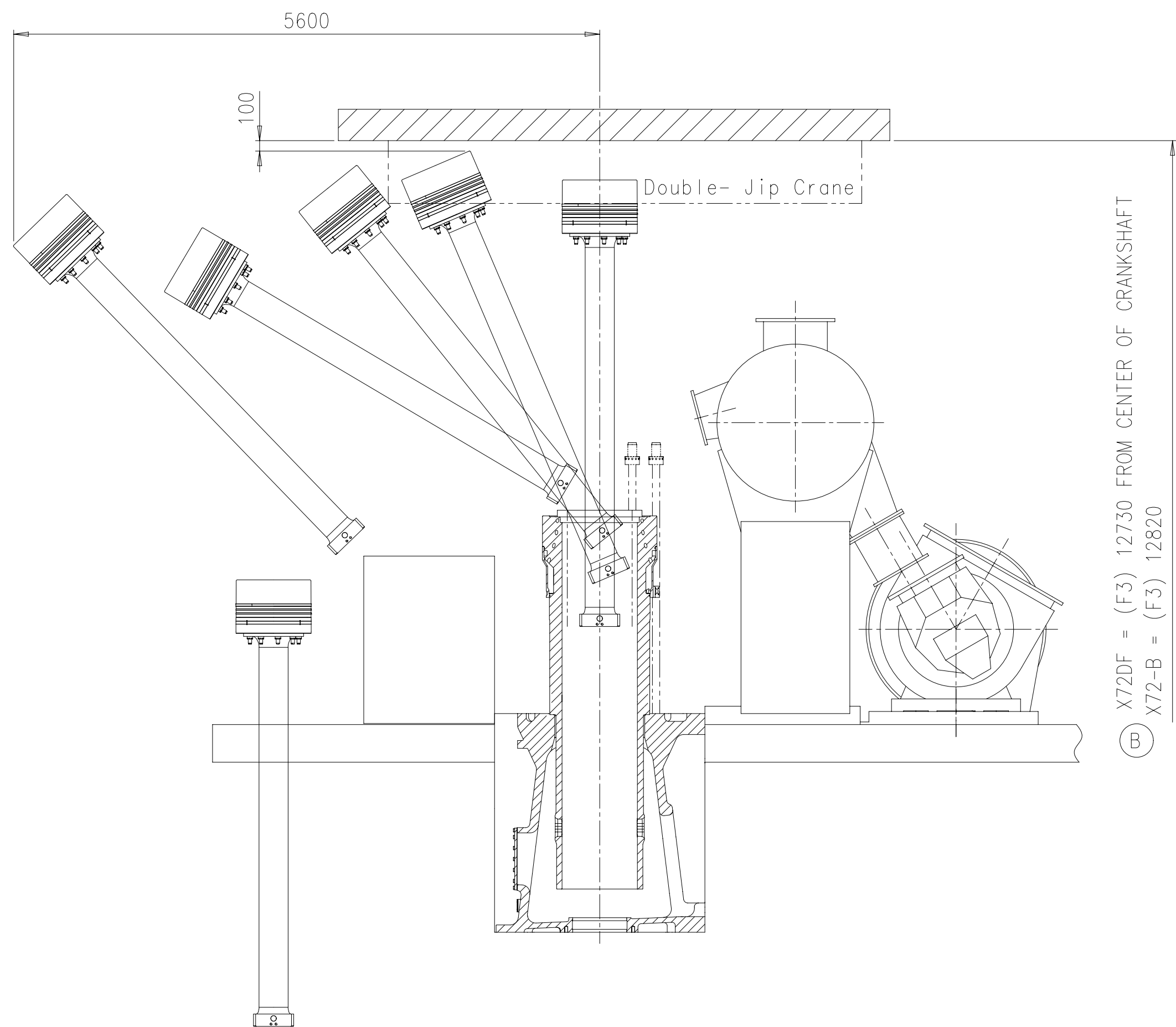
STANDARD DISMANTLING
MIN. HEIGHT FOR VERTICAL REMOVAL: F1

Free space for list						Q-Code XXXXXX		Main Dwg.
						Standard ISO, JIS		
Instr.	(A)	EAAD087215	10.03.2017	(B)	EAAD091495	15.04.2020	(C)	
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
 WIN GD <i>Winterthur Gas & Diesel</i>						Product X72-B X72DF DISMANTLING DIMENSIONS Ausbaumasse		
Units	mm	kg	NX	 	Basic Material			Net Weight 0,001
Made	12.12.2016			a10101 A. Jones		Scale	1:40	
Chkd	03.11.2015			ast044 Stephan		Design Group	A1 Page 1/2	
Appd	03.11.2015			bta009 Haag		0812	Material ID	PAAD187129
mkt						Drawing ID	DAAD064846	Rev. B

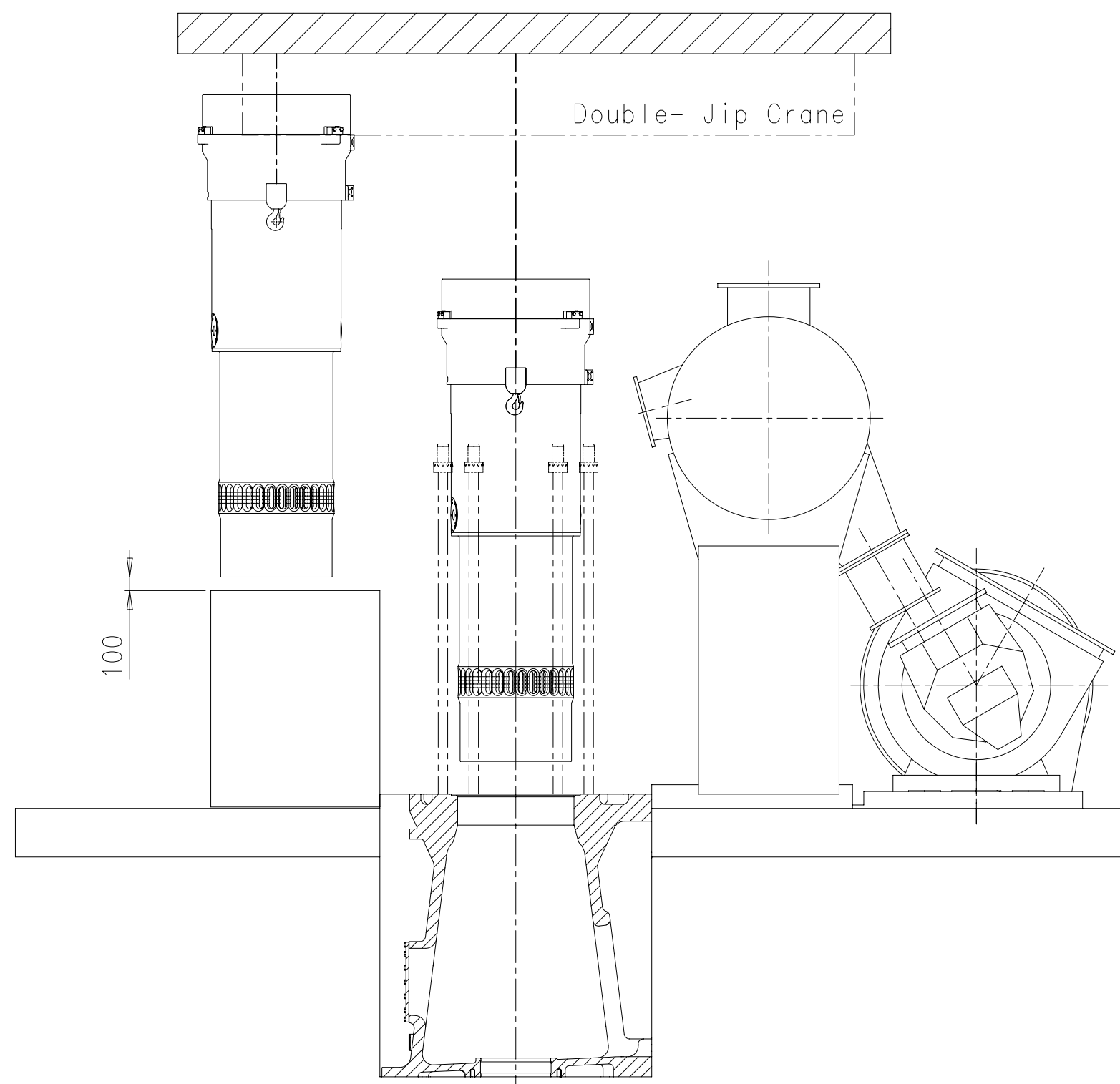
Annexed

100 - DIMENSIONAL DRAWING - Confidential

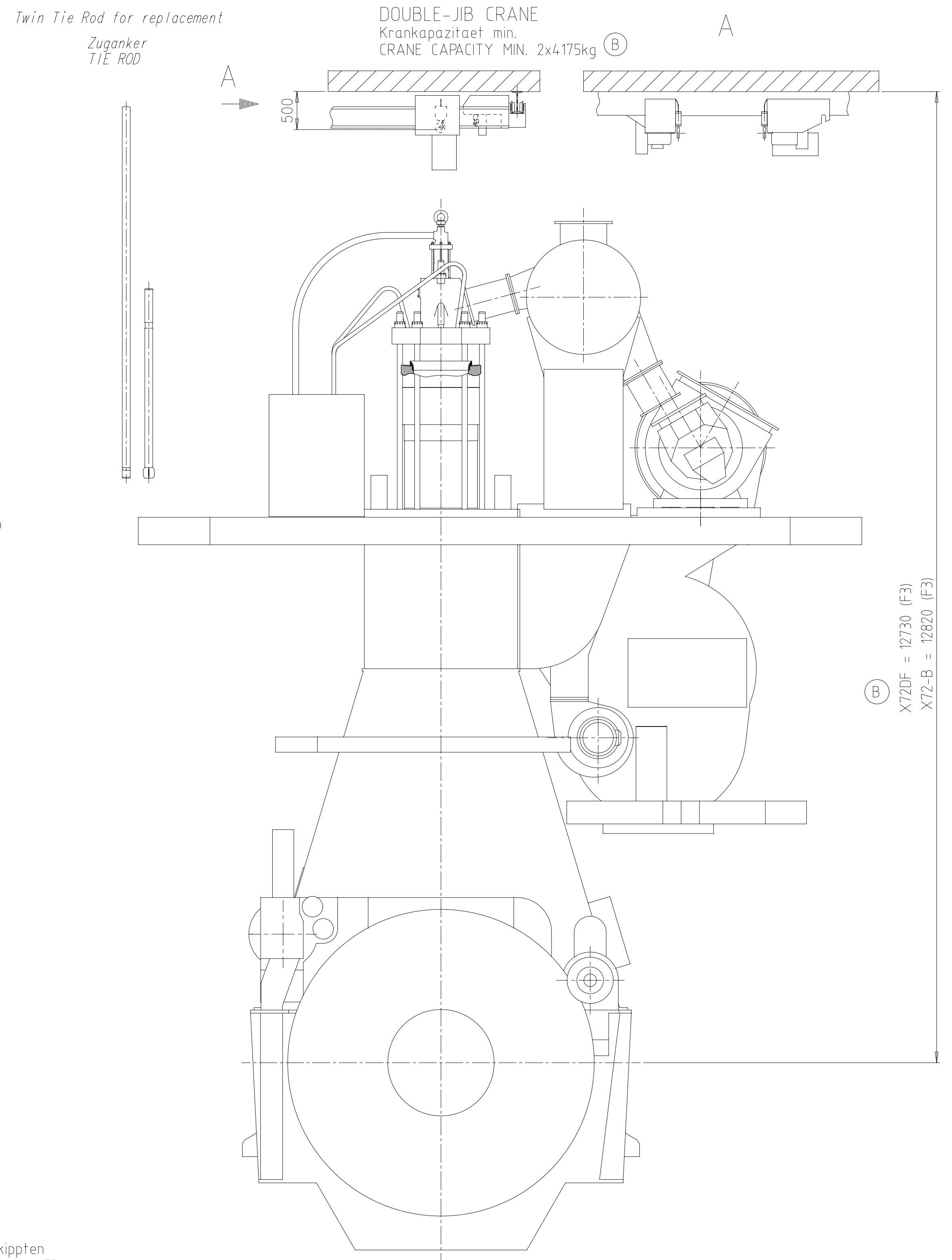
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1. *Disassembly of cylinder cover*
2. *Disassemble two cylinder cover bolts on fuel side*
3. *Pull out the piston with standard piston disassembly tool, then attach tool for further lifting*
4. *Proceed with tilted piston removal*
5. *Place piston on support for overhaul*



6. Screw in the suspension points on the cylinder liner
7. Attach crane hooks for lifting
8. Pull out the liner until over top of rail unit
9. Move liner over rail unit and put in designated place for overhaul



Ⓑ Standardausbau mit Double-Jib Kran

Minimale Hoehe fuer den gekippten
Ausbau mit dem Double-Jib Kran: F3
Die Distanz von der obersten
Hakenposition bis zur
Decke varriert je nach der
ausgewaehlten Kranausfuehrung

Für gekippten Ausbau mit Double-Jib E/R Kran
von Fuchs Foerdertechnik AG

STANDARD DISMANTLING WITH DOUBLE-JIB CRANE

MIN. HEIGHT FOR TILTED REMOVAL WITH DOUBLE-JIB CRANE: F3
DISTANCE BETWEEN TOP POSITION OF
HOOK AND ENGINE ROOM CEILING VARIES
DEPENDING ON CRANE TYPE.

FOR TILTED REMOVAL WITH DOUBLE JIB E/R CRANE
BY FUCHS FOERDERTECHNIK AG

ⓑ Voraussetzungen fuer diese Ausbauart

- zweiteilige Zylinderdeckel-Dehnbolzen auf der Brennstoffseite
- zweiteilige Zuganker im Reparaturfall
- Spezialkran (DOUBLE-JIB)
- spezielle Hebwerkzeuge fuer den Zylindereinsatz und den Kolben

REQUIREMENTS FOR THIS DISMANTLING METHOD

- TWO-PIECE ELASTIC STUDS FOR CYLINDER COVER ON FUEL SIDE
- TWO-PART TIE ROD IN CASE OF REPAIR
- SPECIAL CRANE (DOUBLE-JIB)
- SPECIAL LIFTING TOOLS FOR CYLINDER LINER AND PISTON

WinGD-6X72-B_Engine Outline Views

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2018-09-21	DRAWING SET	First web upload
2019-05-15	DAAD098110 DAAD114478	Revised Engine Outline View for Turbocharger type 1xA175-L/ A275-L has been updated and Engine Outline View for Turbocharger type 1xMET66MB has been added.
2019-05-29	DAAD116207	New Engine Outline View for Turbocharger type 1xA175-L/ A275-L has been added.
2020-07-20	DAAD064846	Revised Dismantling Dimensions drawing has been updated.
2023-01-02	PAAD288814	Revised Engine Outline View for Turbocharger type 1xA175-L/ A275-L has been added.
2024-01-09	PTAA081347	New Engine Outline View for Turbocharger type 2xMET42MB has been added.

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