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Abgasseite
EXHAUST SIDE

Antriebsseite
DRIVING END

Nur bei Ausfuehrung mit Elba
ONLY FOR DESIGN WITH ELBA

Nur bei Ausfuehrung mit Elba
ONLY FOR DESIGN WITH ELBA

Nur bei Ausfuehrung mit Elba
ONLY FOR DESIGN WITH ELBA

gezeichnet fuer Turbolader A270-L
DRAWN FOR TURBOCHARGER

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.

ENGINE ROOM HATCH

LIFTING AREA
FOR AIR COOLER

FOR OVERHAUL OF TC
SEE MANUAL OF TC BUILDER

DIMENSIONS ONLY FOR REFERENCE
FOR MANUFACTURING SEE
CORRESPONDING DESIGN-GROUP

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

Units mm kg NX
Made 16.04.2020 mdo101 Dongre
Chkd 16.04.2020 r002 Filegans
Appd 16.04.2020 sth017 Thalmann

Basic Material
Scale 1:45
Design Group
Drawing ID DAAD129698

Page 1/1
Material ID
Rev. -

TURBOCHARGER A170-L/A270-L

- * Platz fuer Demontage
SPACE FOR REMOVAL
- ** Nur bei Ausfuehrung mit Elba
ONLY FOR DESIGN WITH ELBA
- *** Nur bei Standard Ausfuehrung
ONLY FOR STANDARD DESIGN

ca. Schwerpunkt
APPROX. CENTRE OF GRAVITY

Gewicht ohne Wasser und Oel= 325 t
WEIGHT WITHOUT WATER AND OIL

Net Weight
0,001

1

001

PAAD185792

DISMANTLING DIMENSIONS

DAAD064309

0,001

Quantity

PER ENGINE

SEQ. NO.

Material ID

Material Name

Dimension, Occ.

Standard or Drawing

Basic Material

Material Standard

Weight GR/NET

Q-Code

XXXXX

Main Drw.

H

Modif.

Free space for l.c.

PAAD354798

Material ID

Number

Drawn date

Number

Drawn date

Number

Drawn date

Number

Drawn date

Product

W5X62DF

ENGINE OUTLINE VIEW

Motoransichten

Units

mm kg

NX

Basic Material

Scale

1:45

Size

A1

Page

1/1

Material ID

DAAD129698

Rev.

-

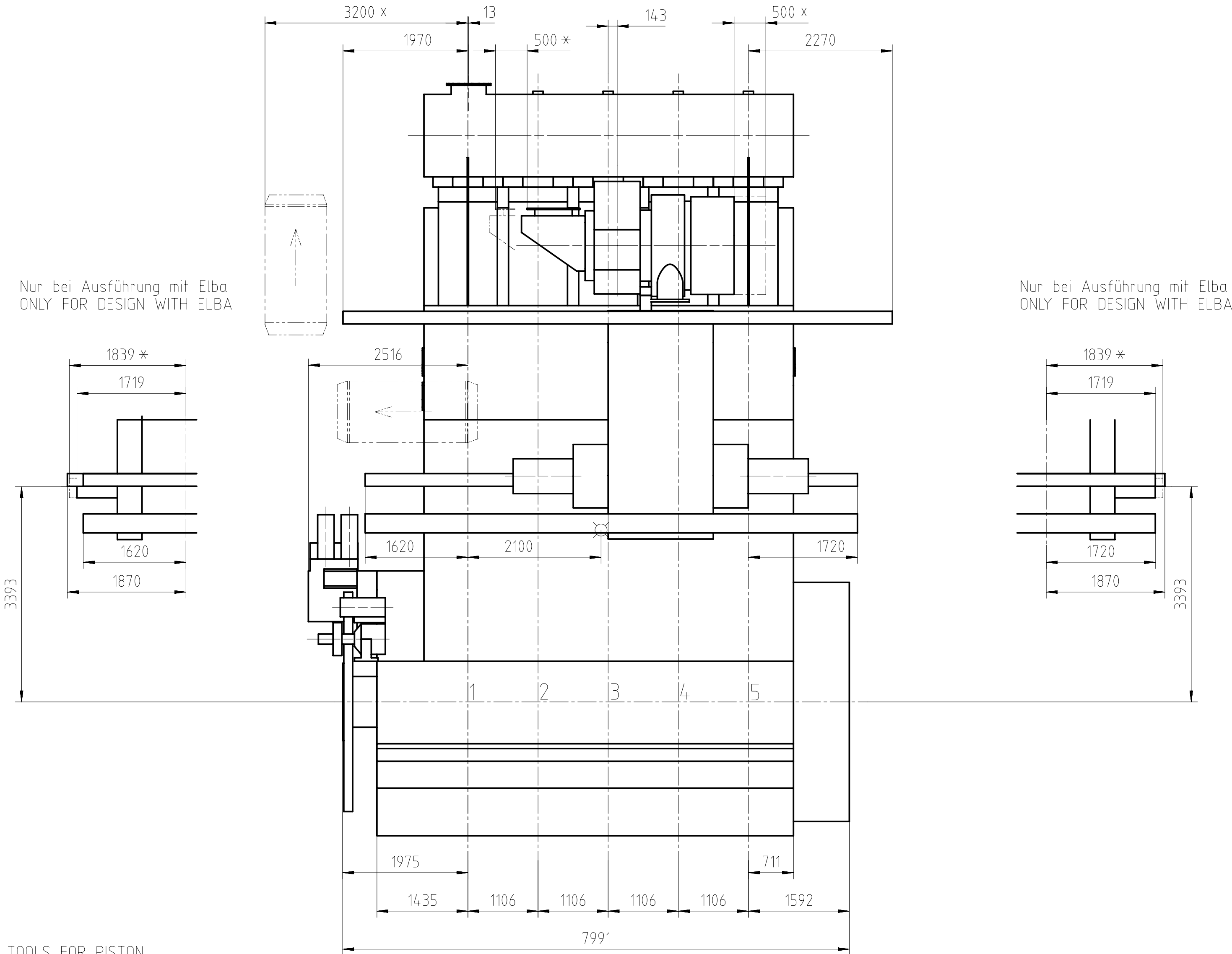
Approved

CONFIDENTIAL - DIMENSIONAL DRAWING

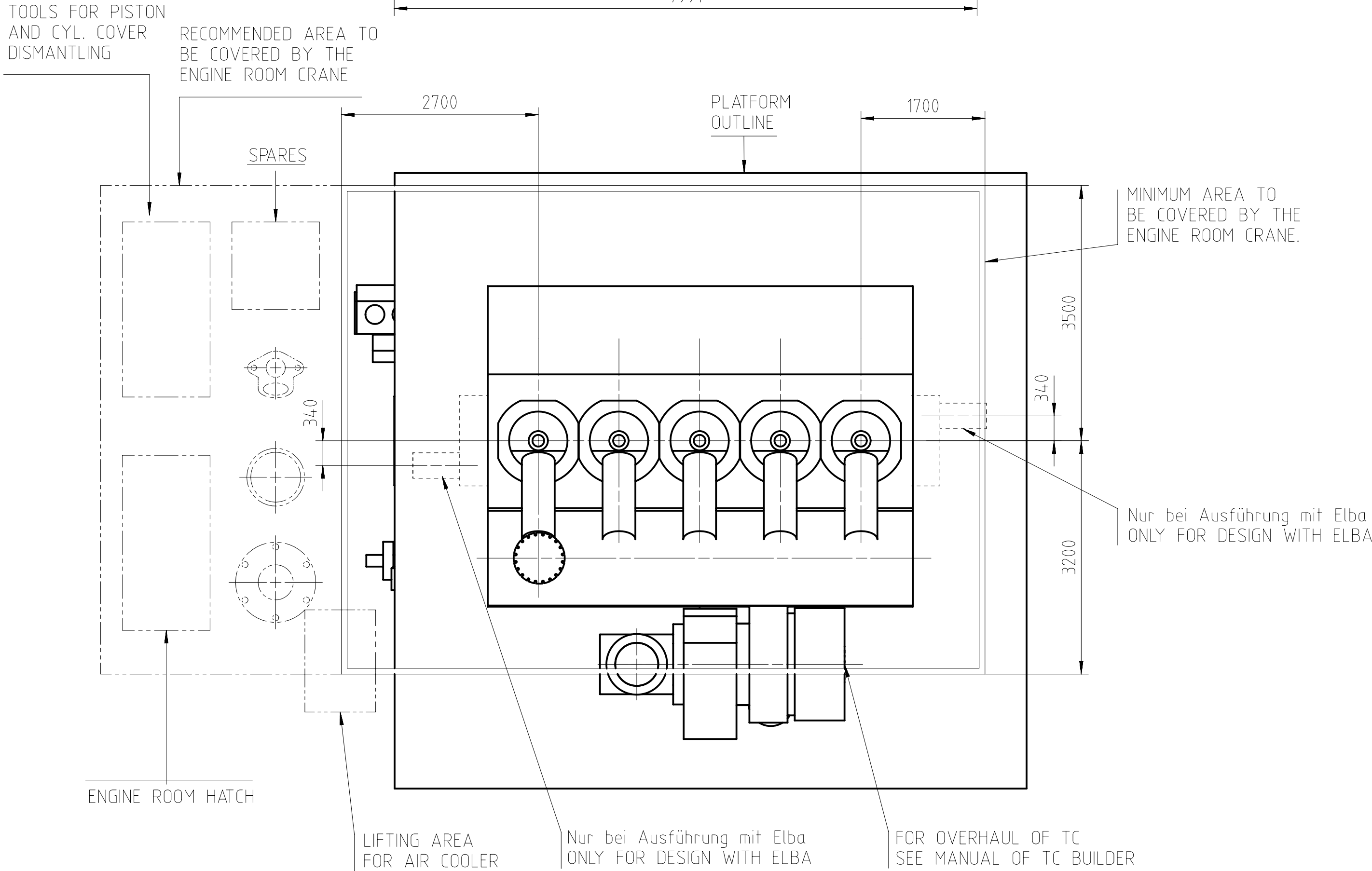
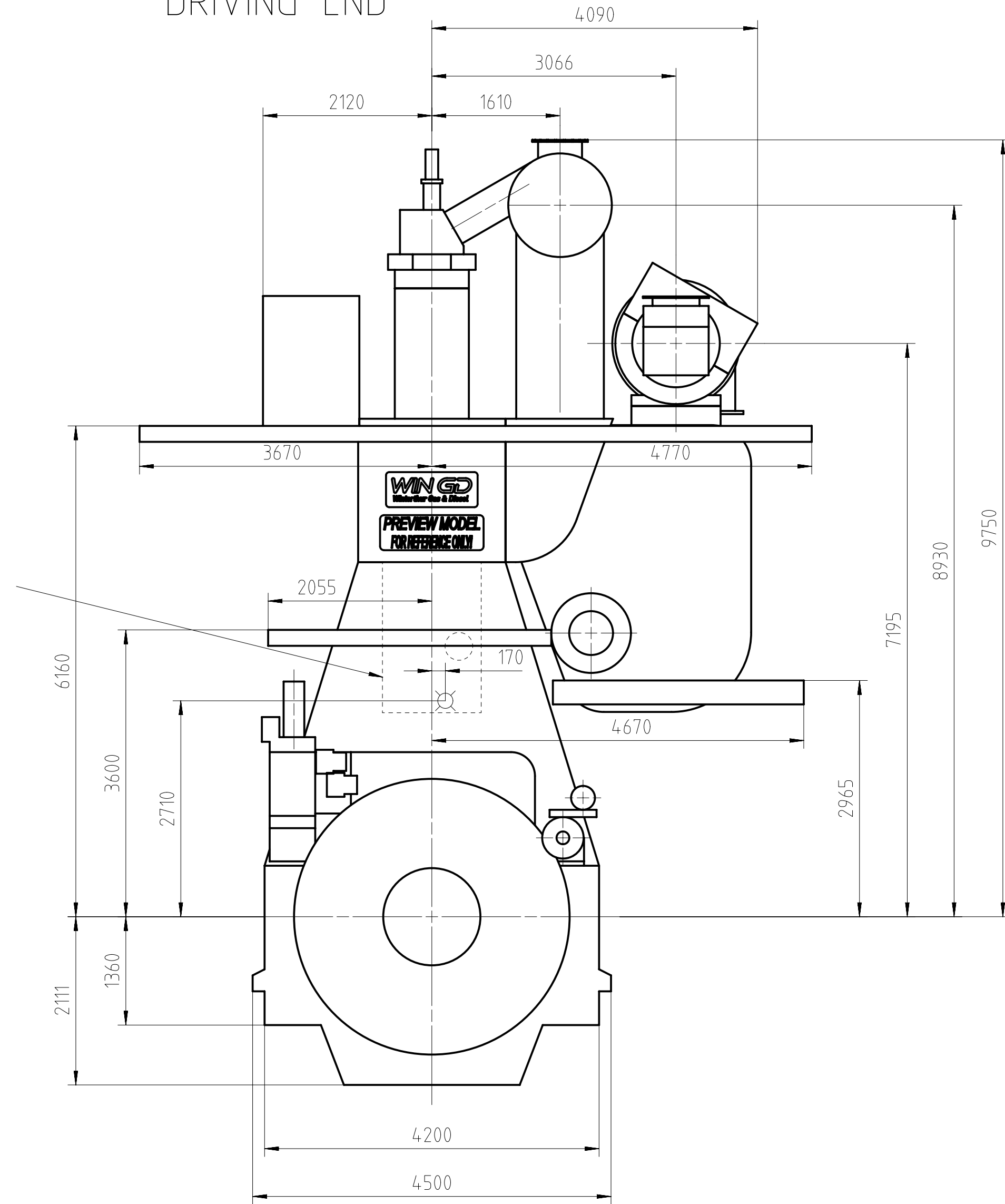
SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
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Prod.	5 X62DF						
Change History							
	-	wta101	sth017	15.10.2021	CNAA000869	Main Design/Drawing Introduced	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
<div>WIN GD Winterthur Gas & Diesel</div>			ENGINE OUTLINE VIEW				
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 PTAA016840		BOM Page/s 01/01

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Abgasseite
EXHAUST SIDE



Antriebsseite
DRIVING END





* SPACE FOR REMOVAL

⊗ APPROX. CENTRE OF GRAVITY

WEIGHT WITHOUT WATER AND OIL= 325 t

TURBOCHARGER 1xA175-L

Prod.	5X62DF									
Change History										
	-	wt0101	sth017	15.10.2021	CNAA000869	Main Design/Drawing Introduced			-	
Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis			Approved	Activity Code	E
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>					ENGINE OUTLINE VIEW					
separate BOM available					Dimension					
Scale	1:50			NX	Units	[mm]	[kg]	Basic Material	Net Weight	0.00
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					Qty per	Engine	A1	Item ID	PTAA016840	Drawing Page/s
									Standard	WDS
										1/1

DIMENSIONS ONLY FOR REFERENCE
THIS OUTLINE DRAWING CAN NOT BE USED FOR FINAL DESIGN.
PLEASE TAKE CORRESPONDING DESIGN GROUP

SURFACE PROTECTION SEE GROUP 0344

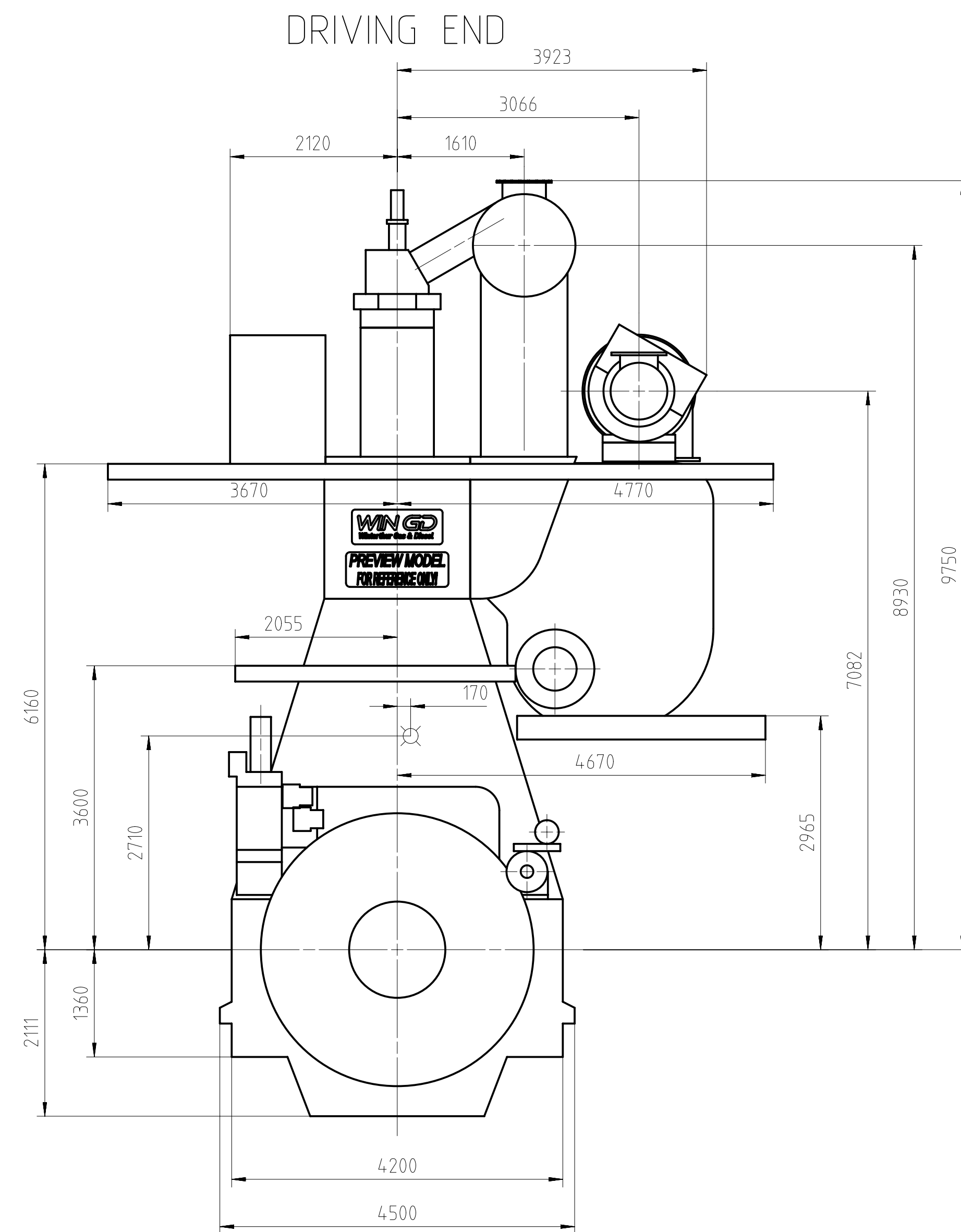
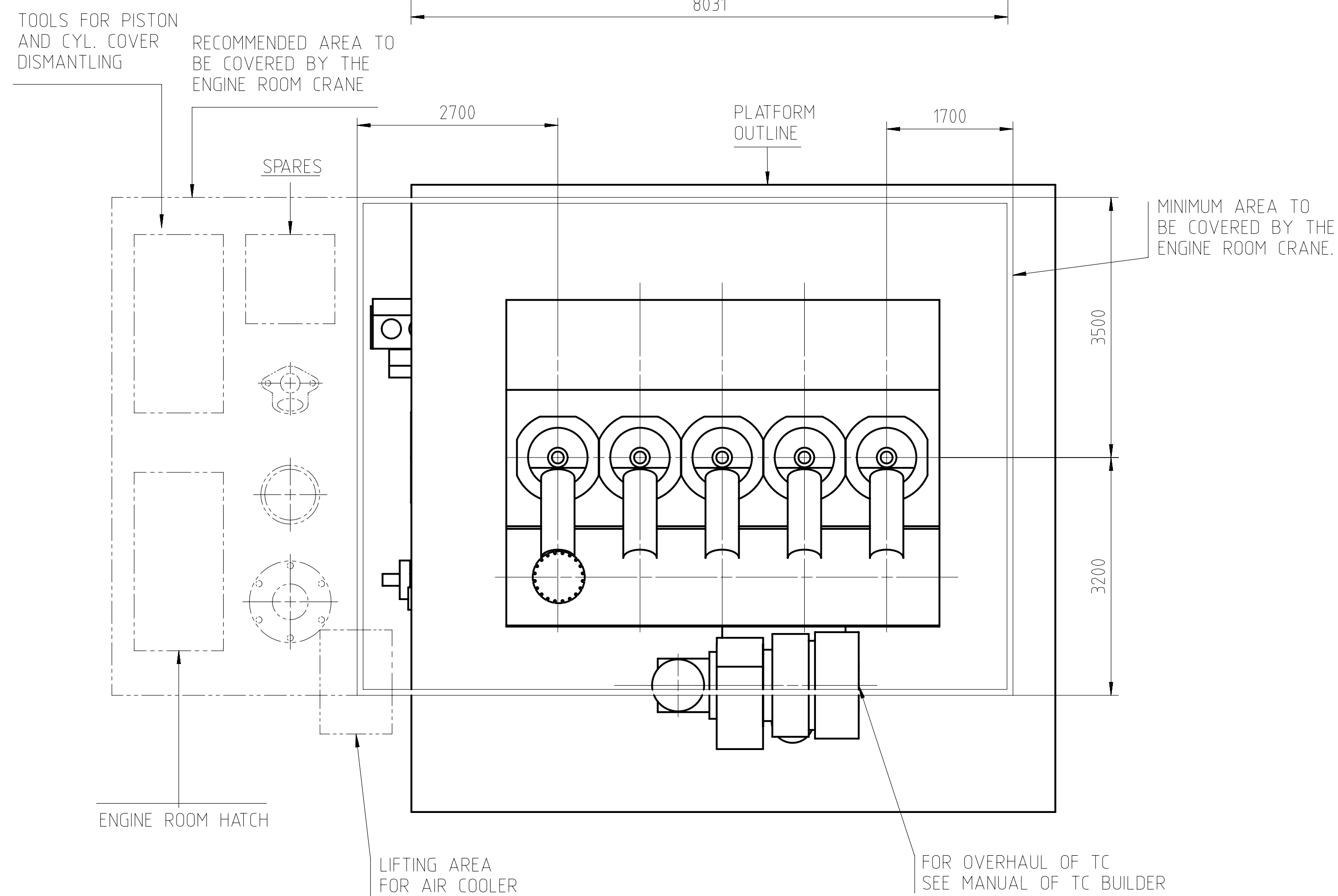
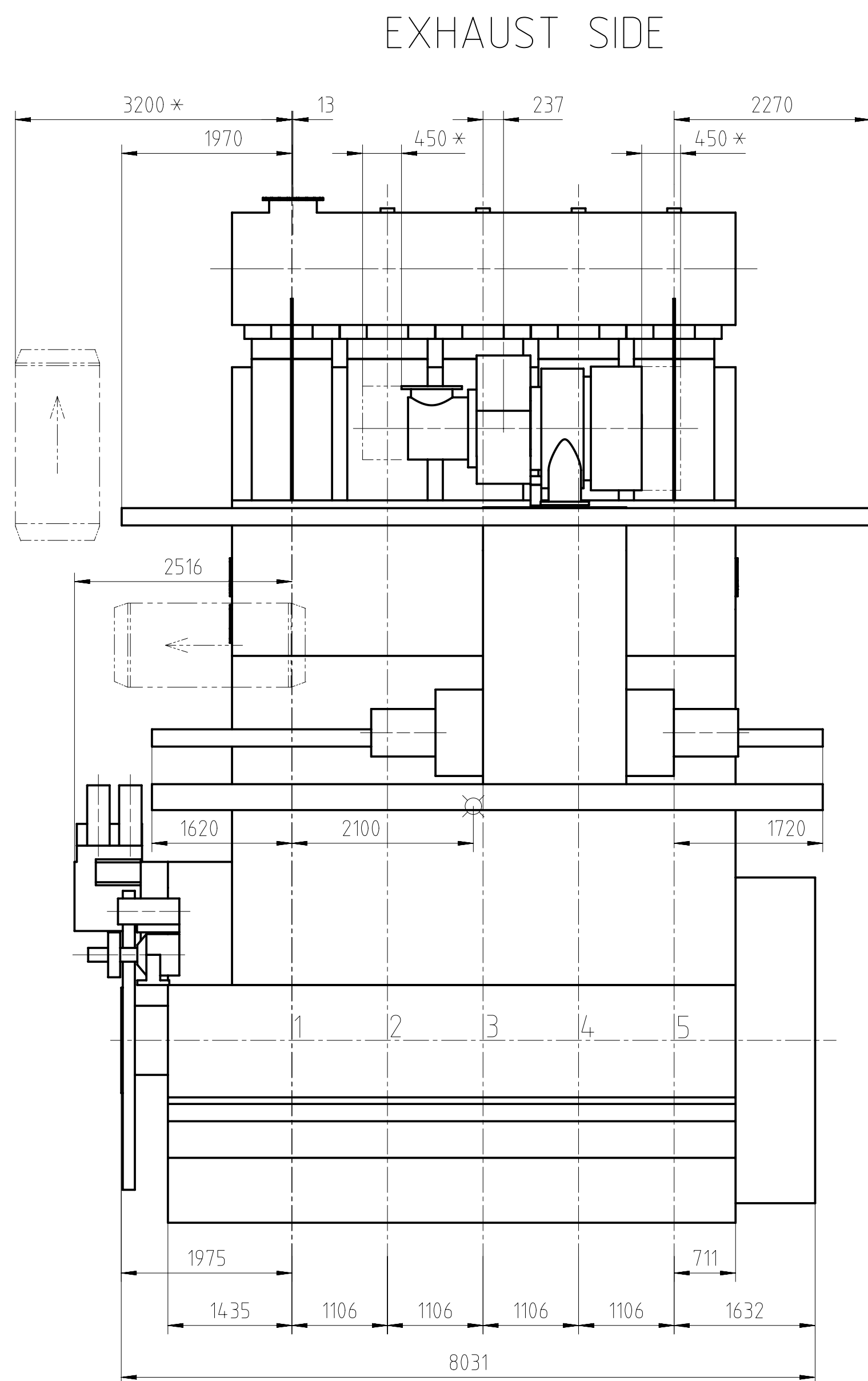
TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

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SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	PAAD185792	DISMANTLING DIMENSIONS				0.001
Prod.	5 X62DF						
Change History							
	-	wta101	sth017	22.12.2021	CNAA001220	Main Design/Drawing Introduced	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
<div>WIN GD Winterthur Gas & Diesel</div>			ENGINE OUTLINE VIEW				
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 PTAA021763		BOM Page/s 01/01

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* SPACE FOR REMOVAL

 APPROX. CENTRE OF GRAVITY

WEIGHT WITHOUT WATER AND OIL= 325 t

TURBOCHARGER 1xA270-L

[illegible]

DIMENSIONS ONLY FOR REFERENCE
THIS OUTLINE DRAWING CAN NOT BE USED FOR FINAL DESIGN
PLEASE TAKE CORRESPONDING DESIGN GROUP

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mL

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	Main	Ved
--	------	-----

Design	TC
...	...

Qty per	Engine
------------	--------

	Design
--	--------

Group

	A1	Item ID
--	----	---------

0912	0. Gads VVVVV
------	---------------

0012	4 5555 XXXXX
------	--------------

P1AA021763

Standard	WDC
----------	-----

Standard	WDS
...	...

Drawing
Page/s 1/1

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

Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

1820 kg

Zylindereinsatz mit
Wasserleitmantel
CYLINDER LINER WITH
WATER GUIDE JACKET

Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

Ⓐ 3830 kg

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

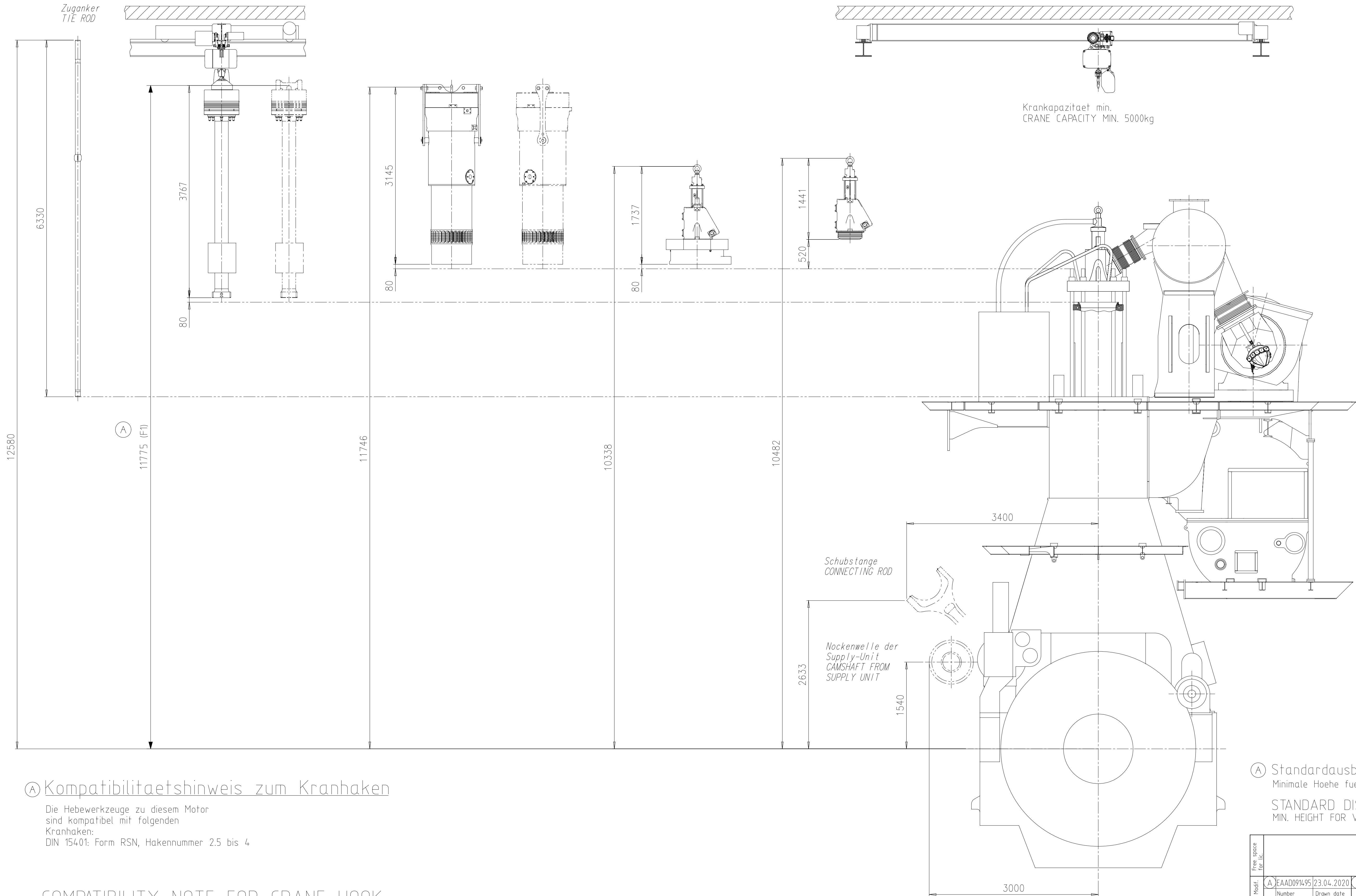
Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

Ⓐ 2675 kg

Auslassventil komplett
EXHAUST VALVE COMPLETE

Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

Ⓐ 680 kg



Ⓐ Kompatibilitaetshinweis zum Kranhaken

Die Hebwerkzeuge zu diesem Motor
sind kompatibel mit folgenden
Kranhaken:
DIN 15401: Form RSN, Hakennummer 2.5 bis 4

COMPATIBILITY NOTE FOR CRANE HOOK

THE LIFTING TOOLS FOR THIS ENGINE
ARE COMPATIBLE WITH FOLLOWING
CRANE HOOK:
DIN 15401: SHAPE RSN, HOOK NUMBER 2.5 TO 4

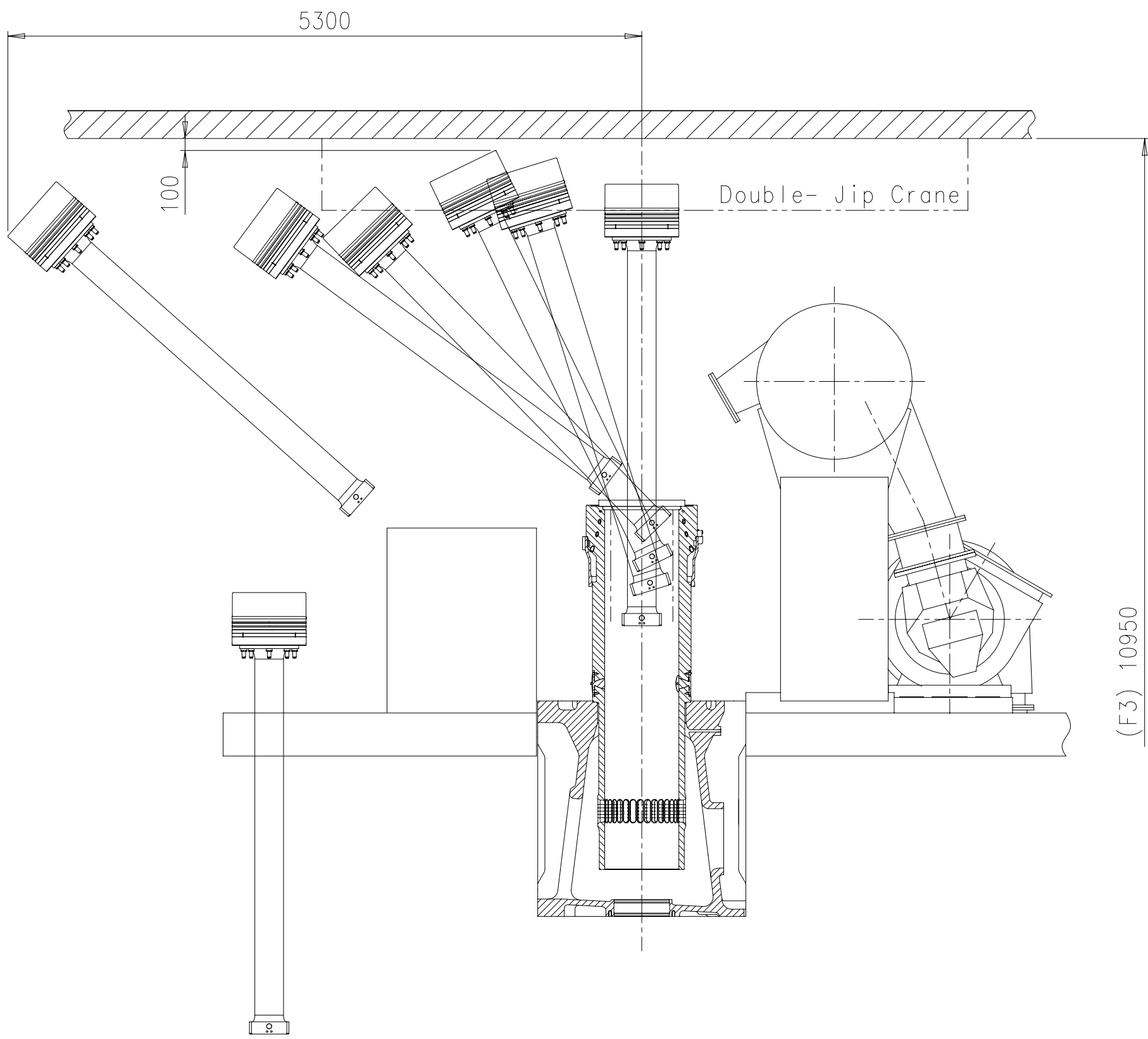
Krankapazitaet min.
CRANE CAPACITY MIN. 5000kg

Ⓐ Standardausbau
Minimale Hoehe fuer den vertikalen Ausbau: F1

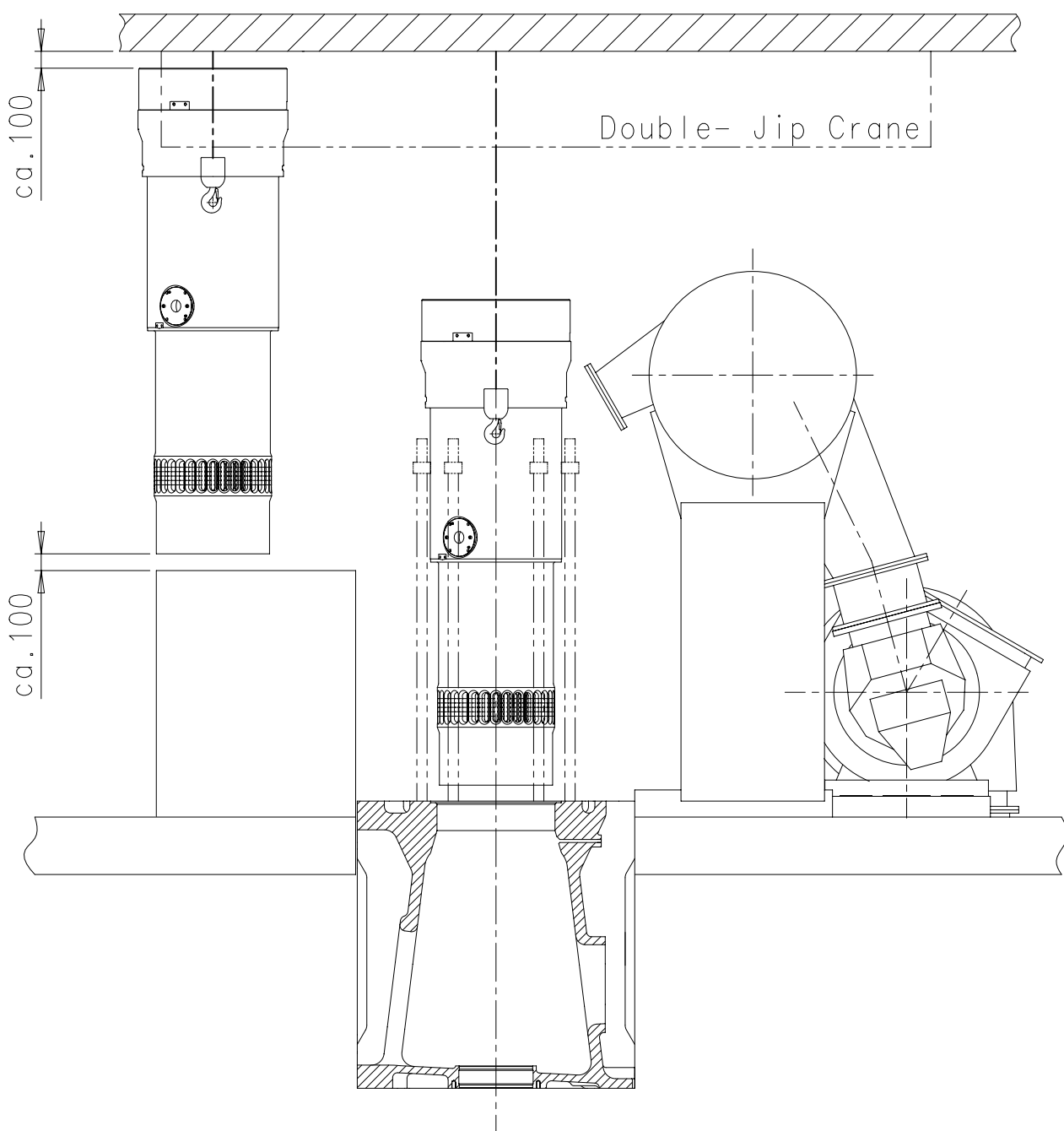
STANDARD DISMANTLING
MIN. HEIGHT FOR VERTICAL REMOVAL: F1

Free space for file				D-Code XXXXXX Standard ISO, JIS		Main Dw.	
Modif.	Ⓐ	EAAD091495	23.04.2020				
Number				Number		Number	
Drawn date				Drawn date		Drawn date	
Product W-62DF				DISMANTLING DIMENSIONS Ausbaumasse			
Units	mm kg	NX		Basic Material		Net Weight 0,001	
Made	13.03.2015	mda006	Dacic	Scale	1:35	Size	A1
Chkd	17.03.2015	ast044	Stephan	Design Group		Page	1/2
Appd	17.03.2015	bha009	Haag	0812		Material ID	PAAD185792
Drawing ID				DAAD064309		Rev.	A

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

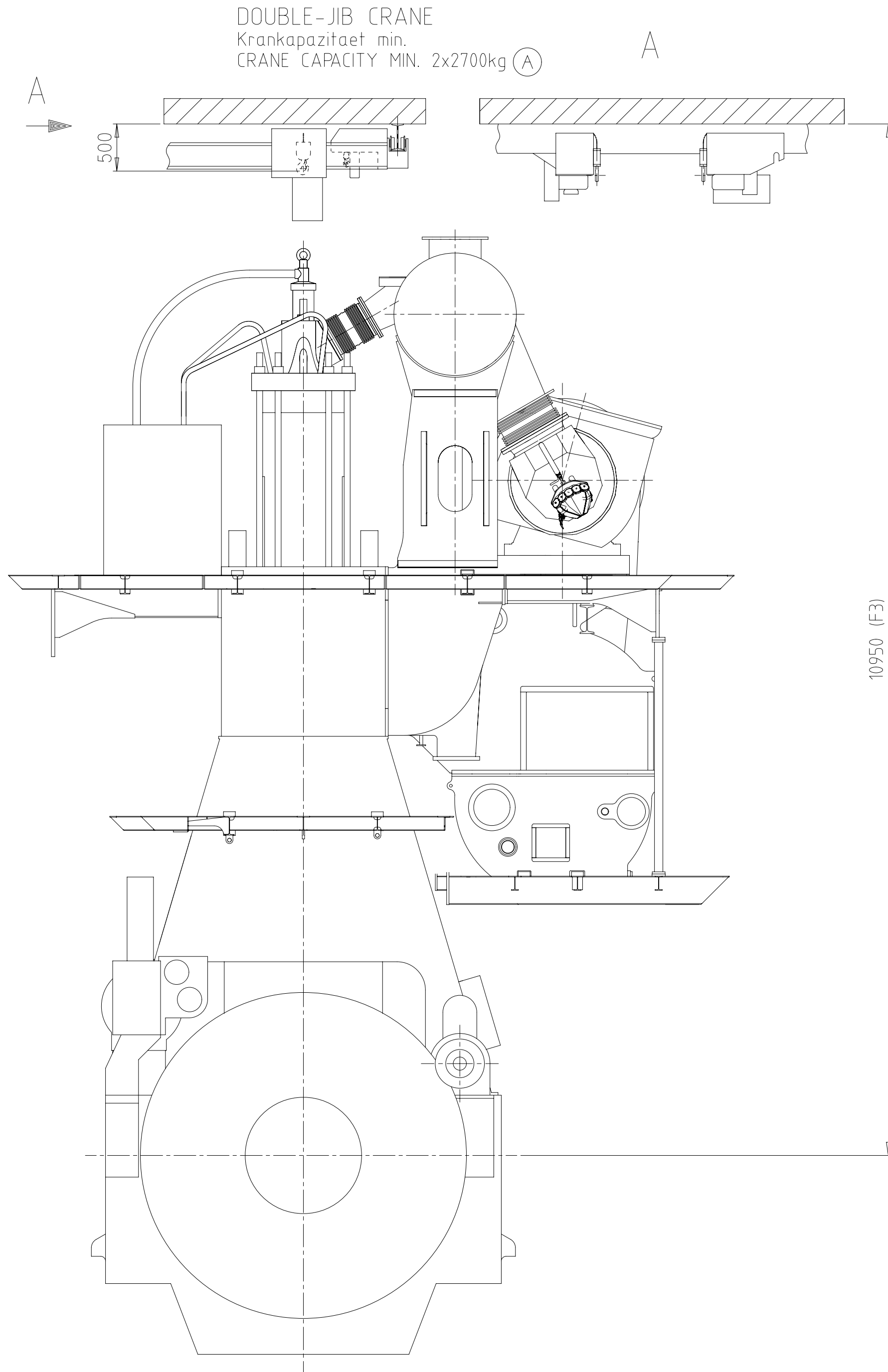
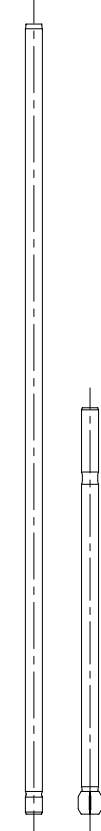


1. Disassembly of cylinder cover
2. Disassemble three cylinder cover bolts on fuel side
3. Pull out the piston with standard piston disassembly tool, then attach tool for further lifting
4. Proceed with tilted piston removal
5. place piston on support for overhaul



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

Zuganker
TIE ROD



Ⓐ Kompatibilitaetshinweis zum Kranhaken für Double-Jib Kran

Die Hebewerkzeuge zu diesem Motor sind kompatibel mit folgenden Kranhaken:
DIN 15401: Form RSN, Hakennummer 08

COMPATIBILITY NOTE FOR CRANE HOOK FOR DOUBLE-JIB CRANE

THE LIFTING TOOLS FOR THIS ENGINE ARE COMPATIBLE WITH FOLLOWING CRANE HOOK:
DIN 15401: SHAPE RSN, HOOK NUMBER 08

Ⓐ Voraussetzungen fuer diese Ausbauart

- zweiteilige Zylinderdeckel-Dehnbolzen auf der Brennstoffseite
- zweiteilige Zuganker im Reparaturfall
- Spezialkran (DOUBLE-JIB)
- spezielle Hebewerkzeuge 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

Ⓐ 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 variiert 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

SURFACE PROTECTION SEE GROUP 0344	Modif.	EAAD091495	23.04.2020	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
TOLERANCING PRINCIPLE ISO8015	Chkd	17.03.2015	ast044 Stephan	Design Group	0812	DAAD064309	Rev.	A			
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	17.03.2015	bha009 Haag								

WinGD-5X62DF_Engine Outline View

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2020-07-20	DRAWING SET	First web upload
2021-12-01	PTAA016840	New Engine outline view drawing for Turbocharger type 1xA175-L has been added.
2021-12-24	PTAA021763	New Engine outline view drawing for Turbocharger type 1xA270-L has been added.

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