

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	1	PAAD187129	DISMANTLING DIMENSIONS				0.001

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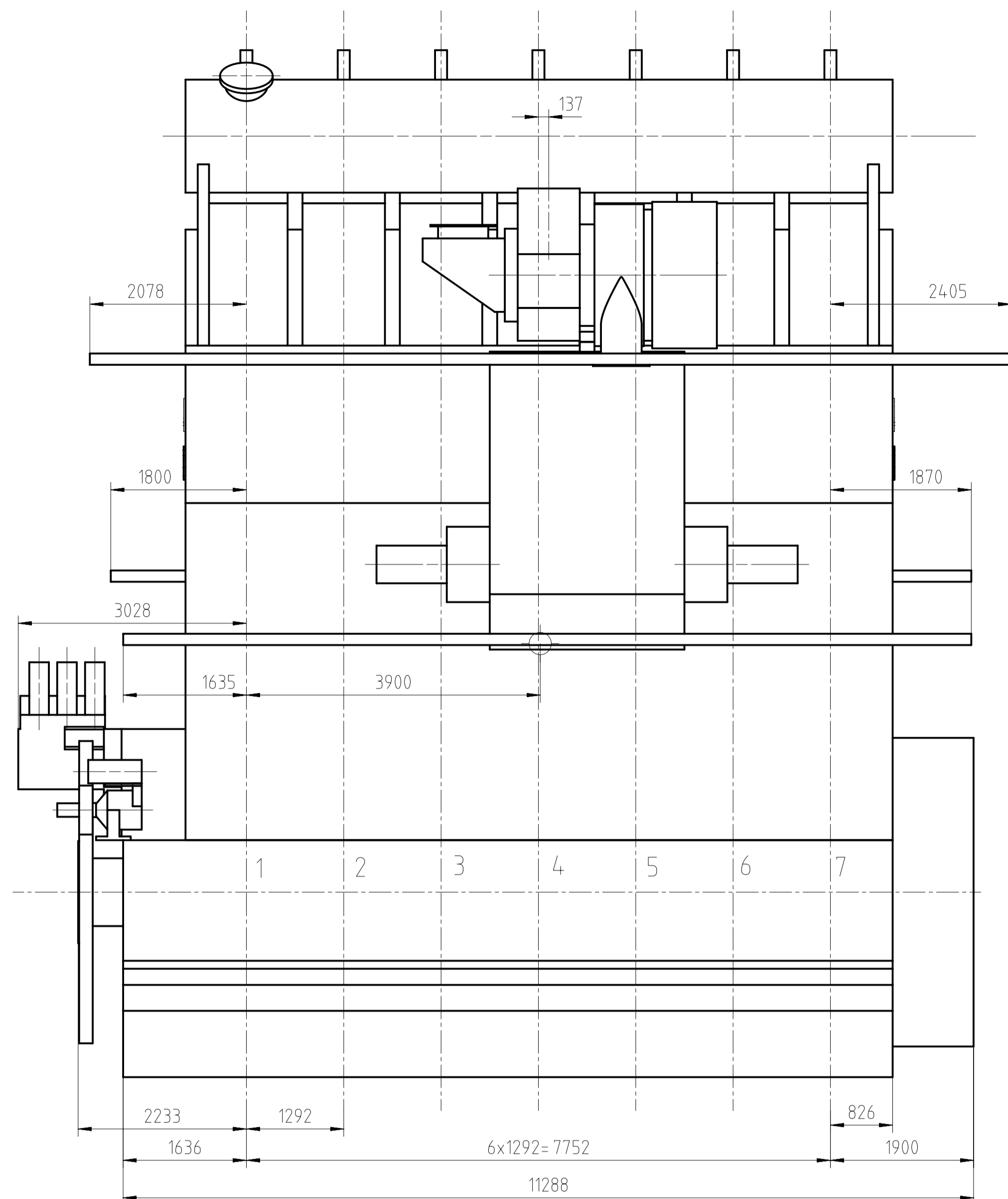
Prod.	7 X72DF						
Change History							
	-	wta101	sth017	07.12.2021	CNA001156	Main Design/Drawing Introduced	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C

	ENGINE OUTLINE VIEW
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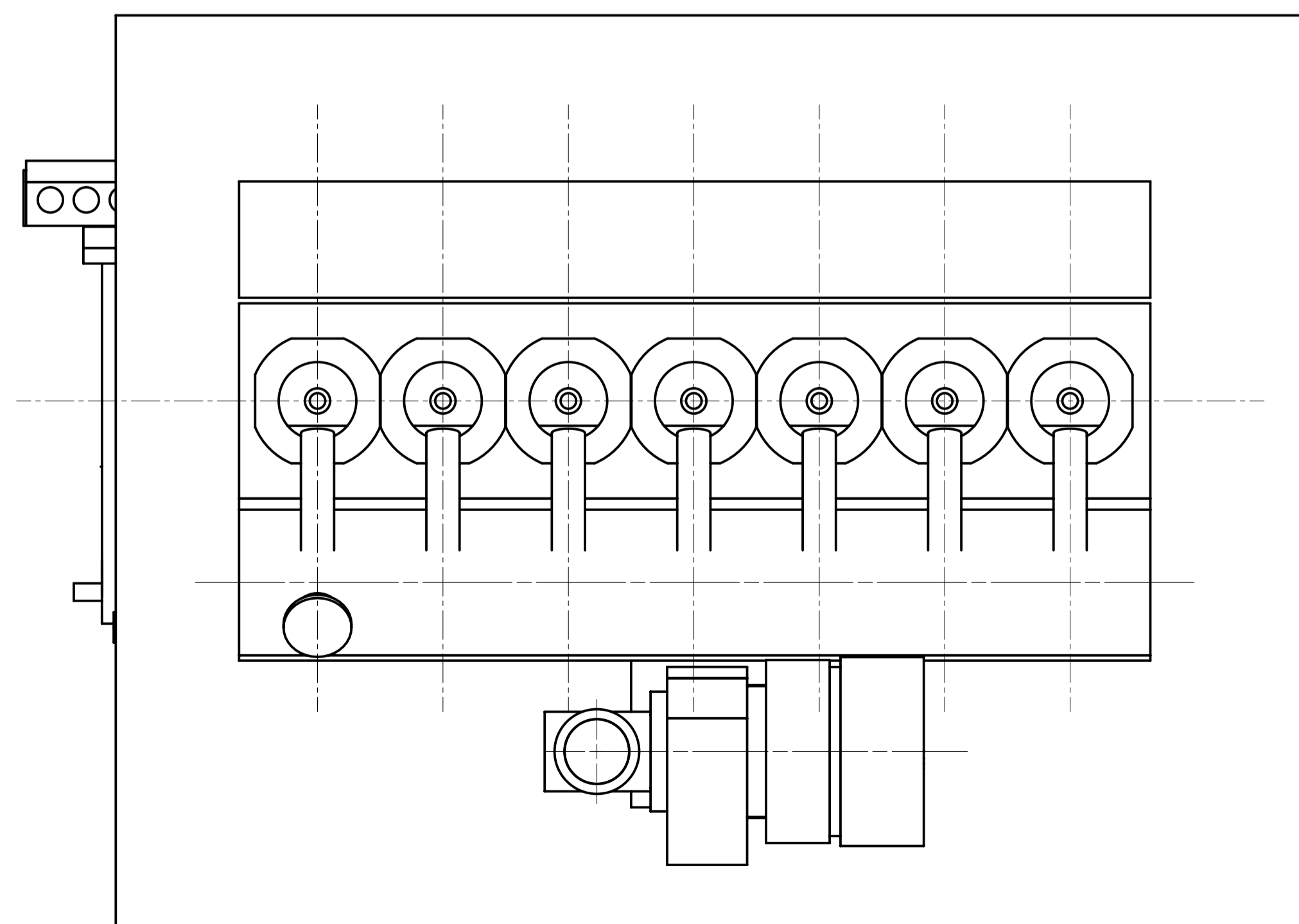
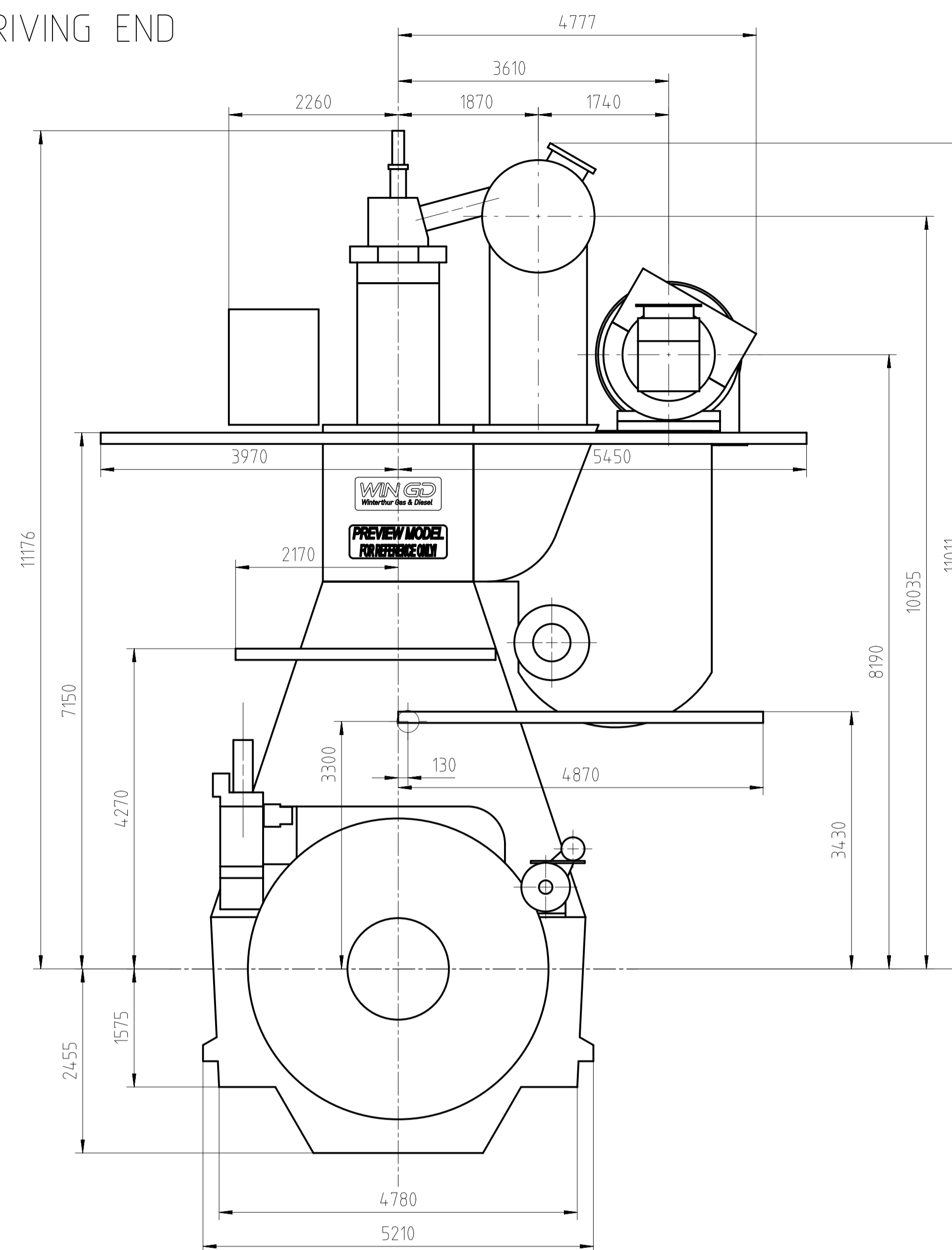
Bill Of Material		Dimension							
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	Main Design	Yes	Design Group		0812	Q-Code	XXXXX	Standard	WDS
	Qty per	Engine	A4	Item ID	PTAA019915		BOM Page/s	01/01	

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"DXF file"

EXHAUST SIDE



DRIVING END



WEIGHT WITHOUT WATER AND OIL = 642t

APPROX. CENTRE OF GRAVITY

TURBOCHARGER 1xA280L

7X72DF									
Change History									
Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E	C
-	wfd101	stn017	07.12.2021	CVA001156	Main Design/Drawing Introduced				
ENGINE OUTLINE VIEW									
Dimension									
Scale	1:50	Units [mm] [kg]		NX		Basic Material		Net Weight 0.001	
Main Design	Yes	Design Group 0812		Q-Code XXXXX		Standard WDS			
Qty per	Engine	A1		Item ID		PTAA019915		Drawing Page/s 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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Kolben mit Stange komplett
und Stopfbuechse
PISTON WITH ROD COMPLETE
AND GLAND BOX

Gewicht ohne Hebewerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

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

Zylindereinsatz und Wasserleitmantel
CYLINDER LINER AND WATER
GUIDE JACKET

Gewicht ohne Hebewerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

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

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

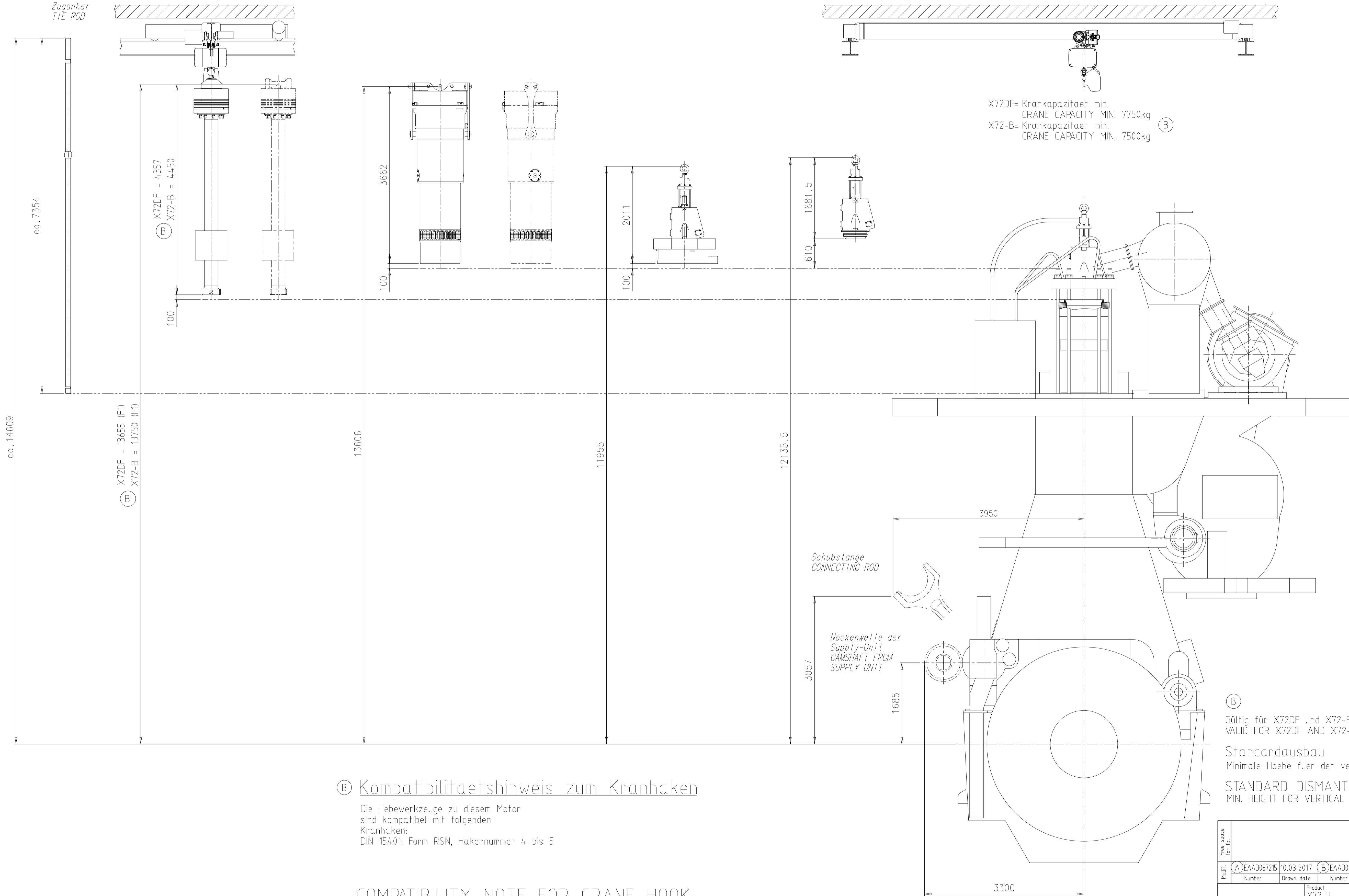
Gewicht ohne Hebewerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

X72DF = 4180 kg (B)
X72-B = 4370 kg (B)

Auslassventil komplett
EXHAUST VALVE COMPLETE

Gewicht ohne Hebewerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

1050 kg (B)



(B) Kompatibilitaetshinweis zum Kranhaken

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

COMPATIBILITY NOTE FOR CRANE HOOK

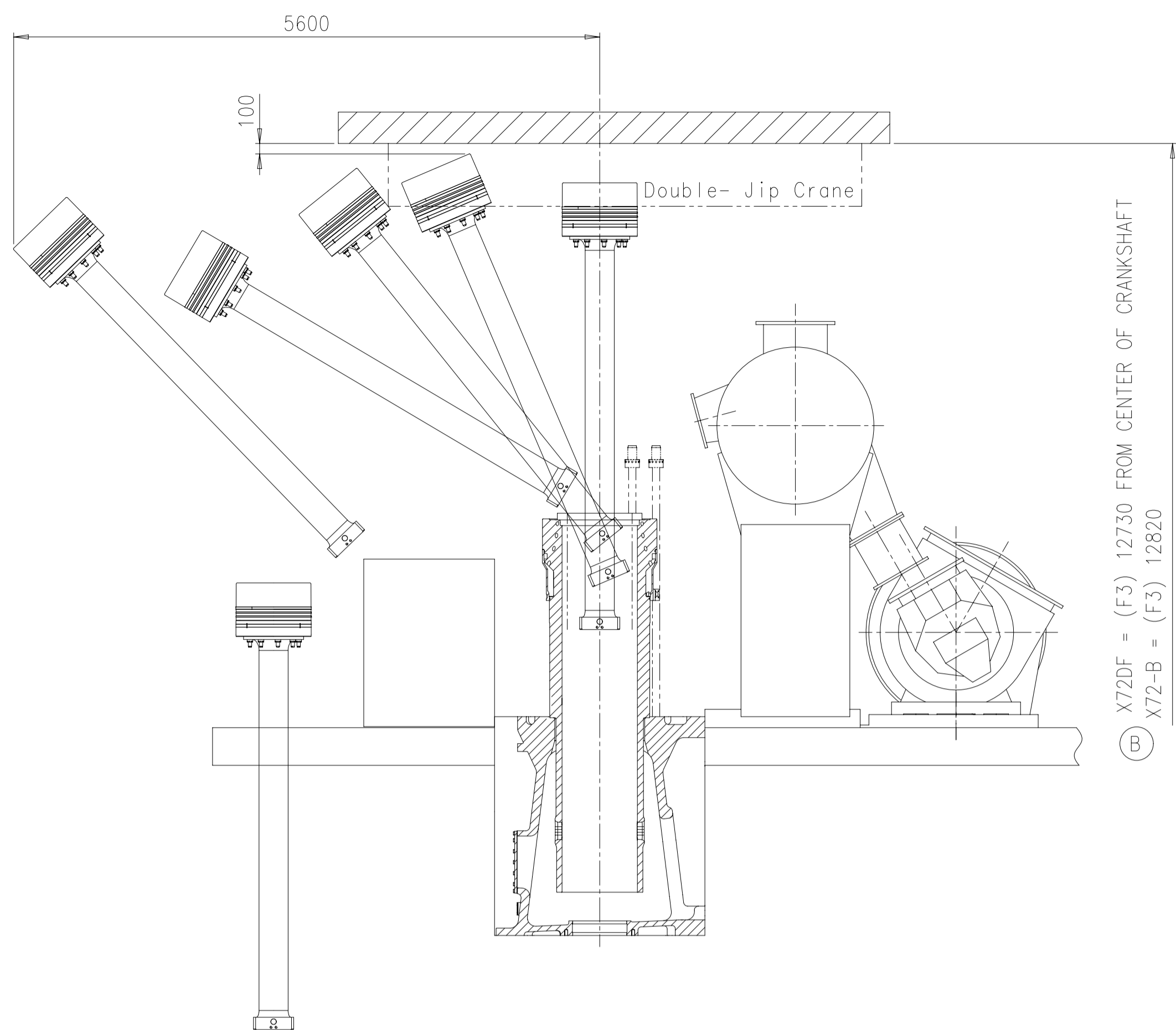
THE LIFTING TOOLS FOR THIS ENGINE
ARE COMPATIBLE WITH FOLLOWING
CRANE HOOK:
DIN 15401: SHAPE RSN, HOOK NUMBER 4 TO 5

(B) Gueltig fuer X72DF und X72-B
VALID FOR X72DF AND X72-B

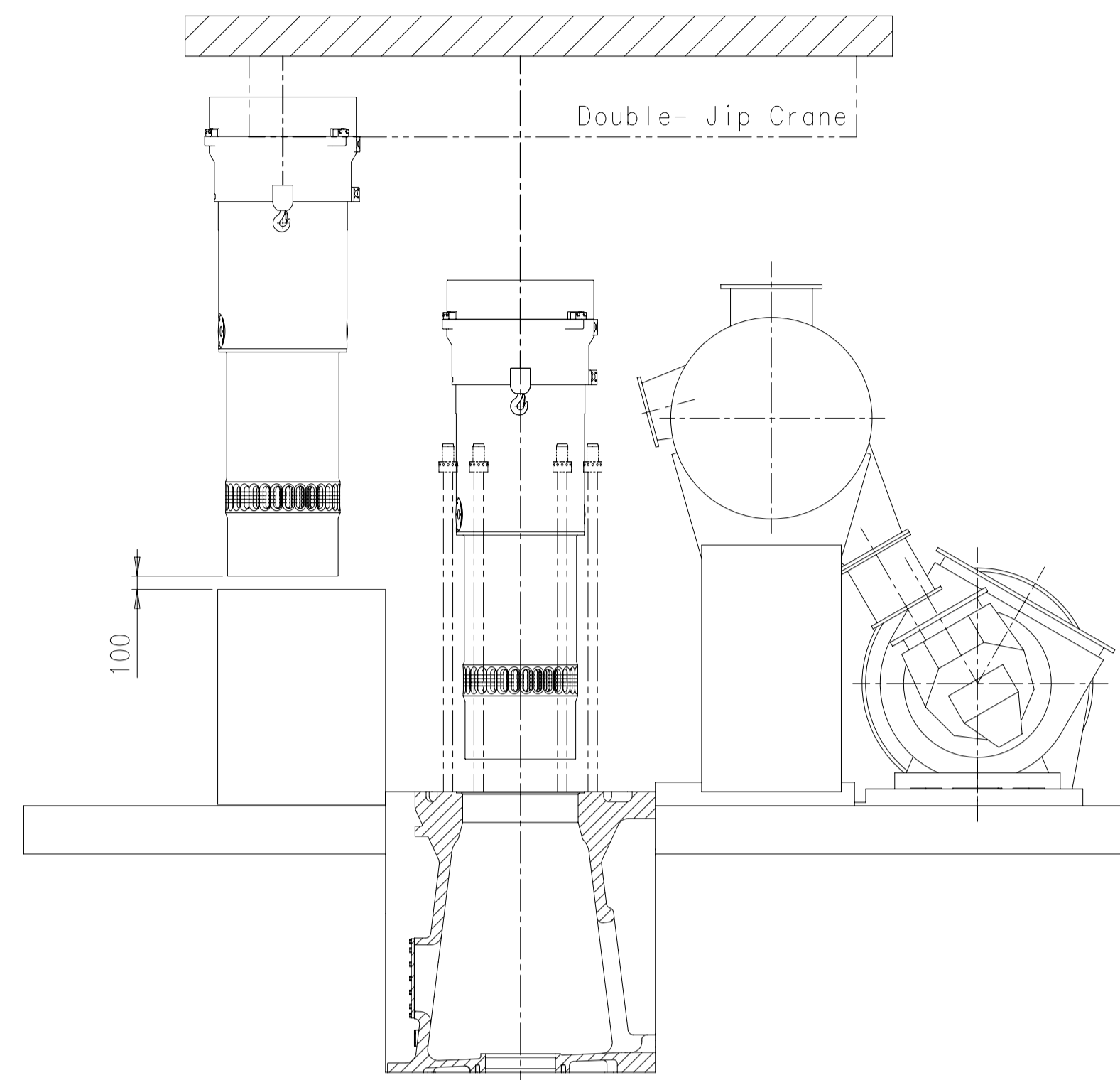
Standardausbau
Minimale Hoehe fuer den vertikalen Ausbau: F1
STANDARD DISMANTLING
MIN. HEIGHT FOR VERTICAL REMOVAL: F1

Free space for file	O-Code XXXXX		Main Drw.
Standard ISO, JIS			
Modif. A	EAAD087215	10.03.2017	B
EAAD091495	15.04.2020		
Number	Drawn date	Number	Drawn date
Product X72-B X72DF	DISMANTLING DIMENSIONS		
Ausbaumasse			
Units mm kg	NX	Basic Material	Net Weight 0,001
Made 12.12.2016	ajo101 A.Jones	Scale 1:4.0	Size A1
Page 1/2	Material PAAD187129	Design Group	Rev. B
Chkd 03.11.2015	ast044 Stephan	Drawing ID DAAD064846	
Appd 03.11.2015	bha009 Haag	0812	

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

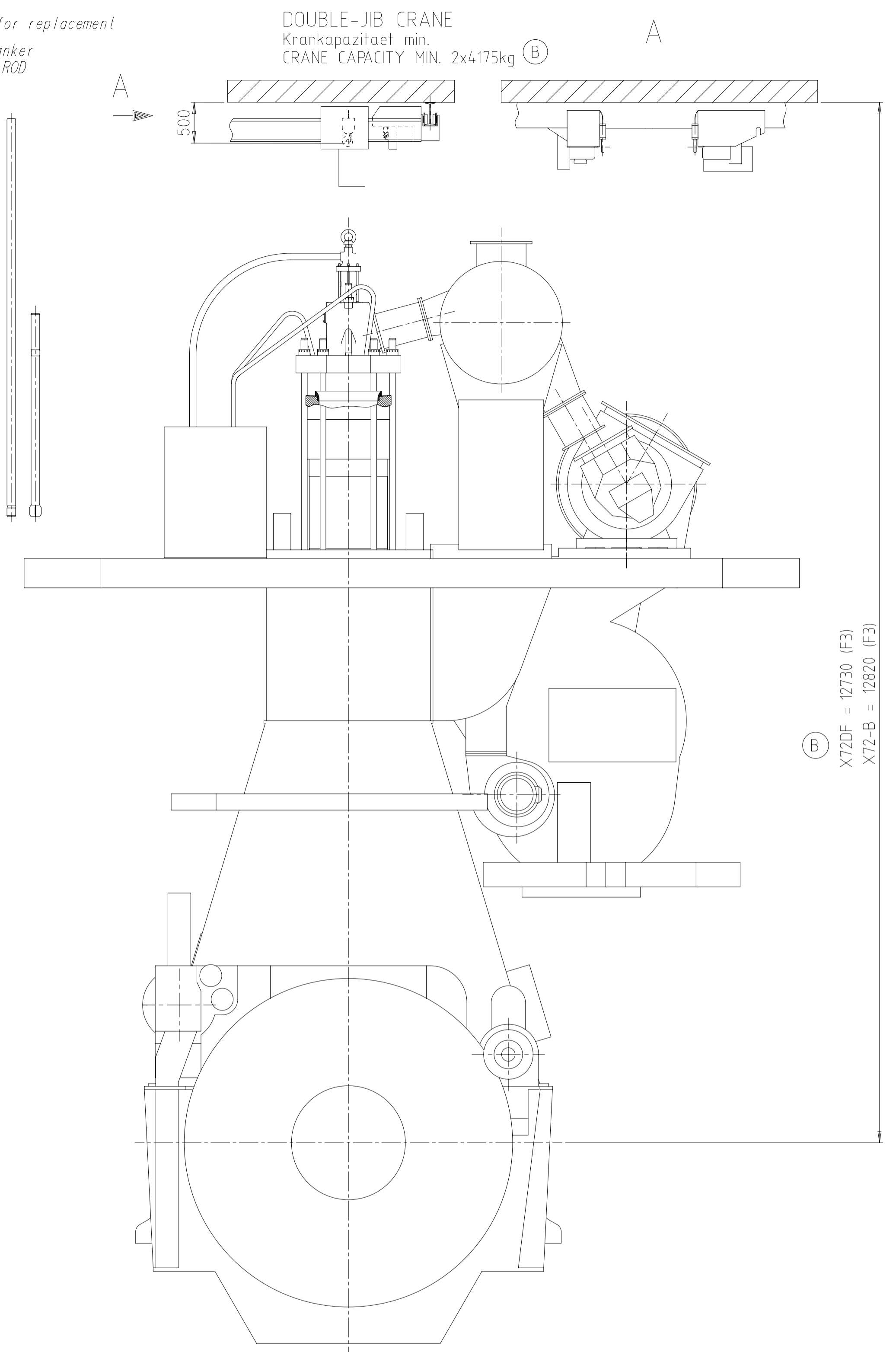


1. Disassembly of cylinder cover
2. Disassemble two cylinder cover bolts on fuel side
3. Pull out the piston with standard piston disassembly tool, then attach tool for further lifting
4. Proceed with tilted piston removal
5. Place piston on support for overhaul



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

Twin Tie Rod for replacement
Zuganker
TIE ROD



ⓑ X72DF = 12730 (F3)
X72-B = 12820 (F3)

ⓑ Voraussetzungen fuer diese Ausbaumart

- 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 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

Free space for file	0-Code XXXXXX		Main Drw.	
Modif.	A EAAD087215	10.03.2017	B EAAD091495	15.04.2020
Number	Drawn date	Number	Drawn date	Number
Product	X72-B X72DF		DISMANTLING DIMENSIONS	
Basic Material		Ausbaumasse		Net Weight 0,001
Units	mm kg	NX	Scale	1:4.0
Size	A1	Page	2/2	Material
Surface Protection	SEE GROUP 0344		Design Group	0812
Tolerancing Principle	ISO 8015		Design Group	0812
General Tolerances	ACCORDING TO ISO 2768-mK		Design Group	0812
Chkd	03.11.2015	ast044 Stephan	Design Group	0812
Appd	03.11.2015	bha009 Haag	Design Group	0812
WINGD Winterthur Gas & Diesel		DISMANTLING DIMENSIONS		Net Weight 0,001
MADE IN GERMANY		DISMANTLING DIMENSIONS		Net Weight 0,001
SURFACE PROTECTION SEE GROUP 0344		DISMANTLING DIMENSIONS		Net Weight 0,001
TOLERANCING PRINCIPLE ISO 8015		DISMANTLING DIMENSIONS		Net Weight 0,001
GENERAL TOLERANCES ACCORDING TO ISO 2768-mK		DISMANTLING DIMENSIONS		Net Weight 0,001
Chkd 03.11.2015 ast044 Stephan		DISMANTLING DIMENSIONS		Net Weight 0,001
Appd 03.11.2015 bha009 Haag		DISMANTLING DIMENSIONS		Net Weight 0,001
Scale 1:4.0		DISMANTLING DIMENSIONS		Net Weight 0,001
Size A1		DISMANTLING DIMENSIONS		Net Weight 0,001
Page 2/2		DISMANTLING DIMENSIONS		Net Weight 0,001
Material PAAD187129		DISMANTLING DIMENSIONS		Net Weight 0,001
Drawing ID DAAD064846		DISMANTLING DIMENSIONS		Net Weight 0,001
Rev. B		DISMANTLING DIMENSIONS		Net Weight 0,001

WinGD-7X72DF_Engine-Outline-View

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-12-24	DRAWING SET	First web upload

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