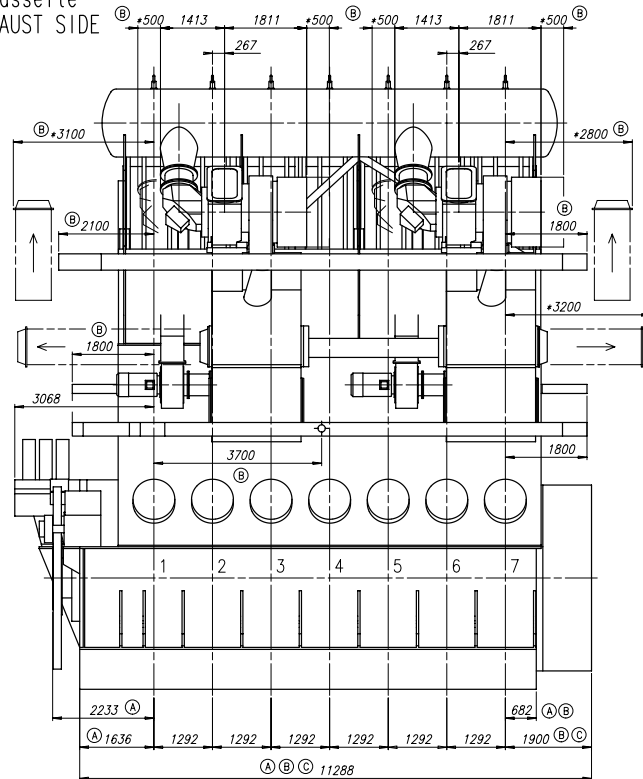
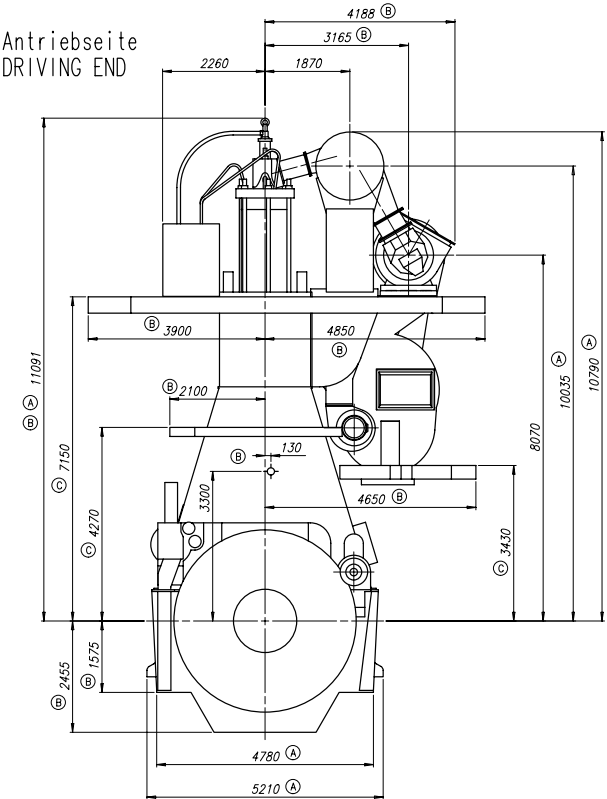


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Abgasseite
EXHAUST SIDE



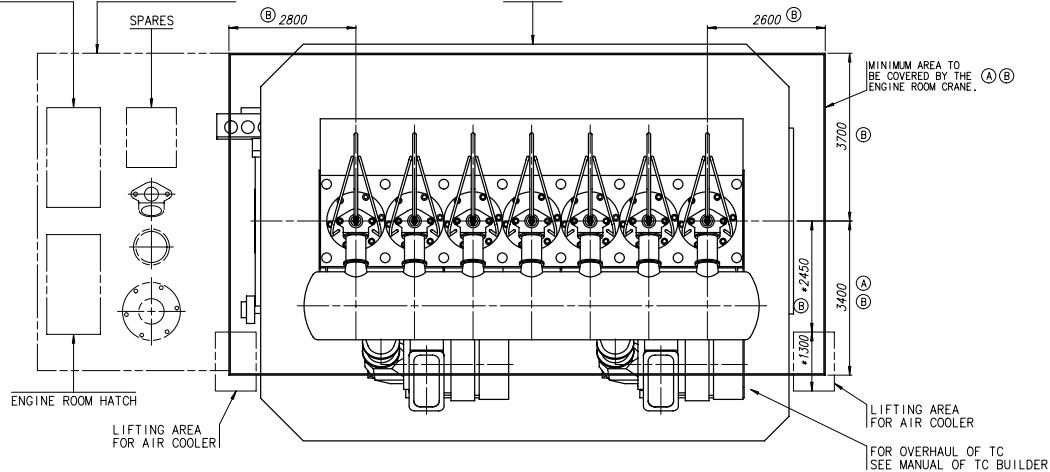
Antriebsseite
DRIVING END



TOOLS FOR PISTON
AND CYL. COVER
DISMANTLING

RECOMMENDED AREA TO
BE COVERED BY THE
ENGINE ROOM CRANE

PLATFORM OUTLINE



Gewicht ohne Wasser und Oel= 642 t
WEIGHT WITHOUT WATER AND OIL

* Platz fuer Demontage
SPACE FOR REMOVAL

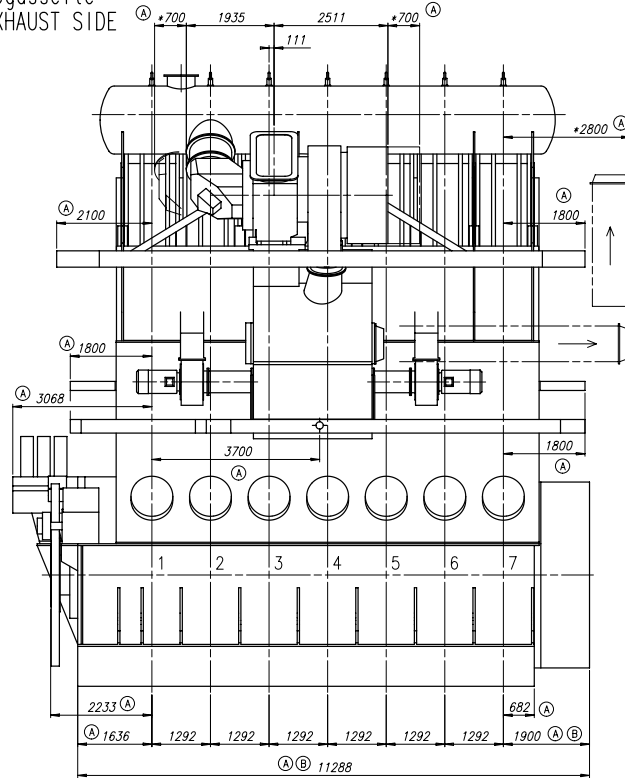
ca. Schwerpunkt
APPROX. CENTRE OF GRAVITY

TURBOCHARGER A175-L ®

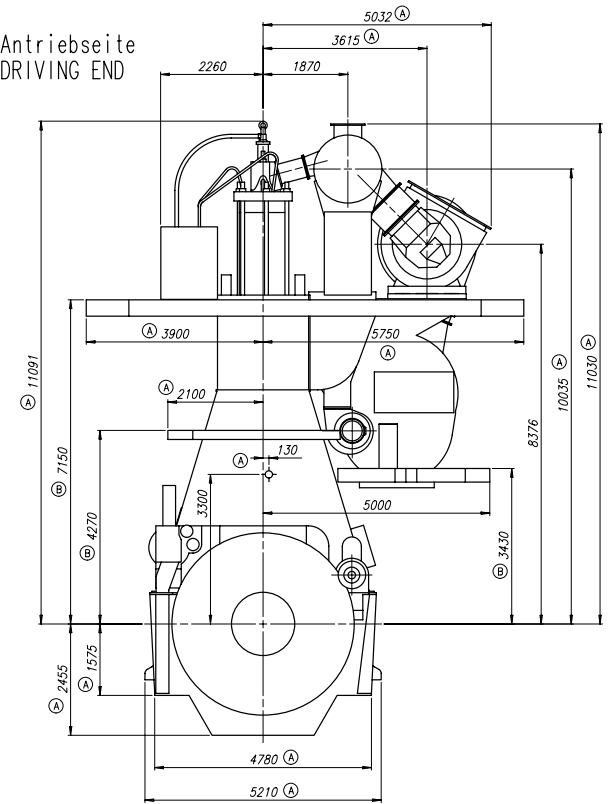
1	001	PAAD082970	DISMANTLING DIMENSIONS			DAAD027096	0.001				
QTY	REQ NO	Material ID	Material Name	Dimension/Pos./Dimension	Standard or Drawing	Basic Material Material Standard	Weight (kg) or Volume (cm³)				
Main Item Group	Sub Item Group	Material ID	Material Name	Dimension/Pos./Dimension	Standard or Drawing	O-Code	Main Part				
						xxxxxx	H				
						Standard			ISO JIS		
A	EAAD042616	23.10.2012	B	EAAD043567	19.12.2012	C	EAAD044189	21.01.2013	D	EAAD040851	19.06.2013
Number		Drawn date		Number		Drawn date		Number		Drawn date	
			ENGINE OUTLINE VIEW A175 Motoransichten A175								
Units	mm	kg	Basic Material		Scale		Weight 0.001				
Chk4	18.04.2012	esc001	S.Csmu12		Size	A1	Material ID	PAAD083129			
Chk4	20.04.2012	pse001	Neracher		Design Group	1/1					
App4	30.01.2013	hso009	Hoga		0812	Drawing ID	DAAD027123		Rev.	D	

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Abgasseite
EXHAUST SIDE



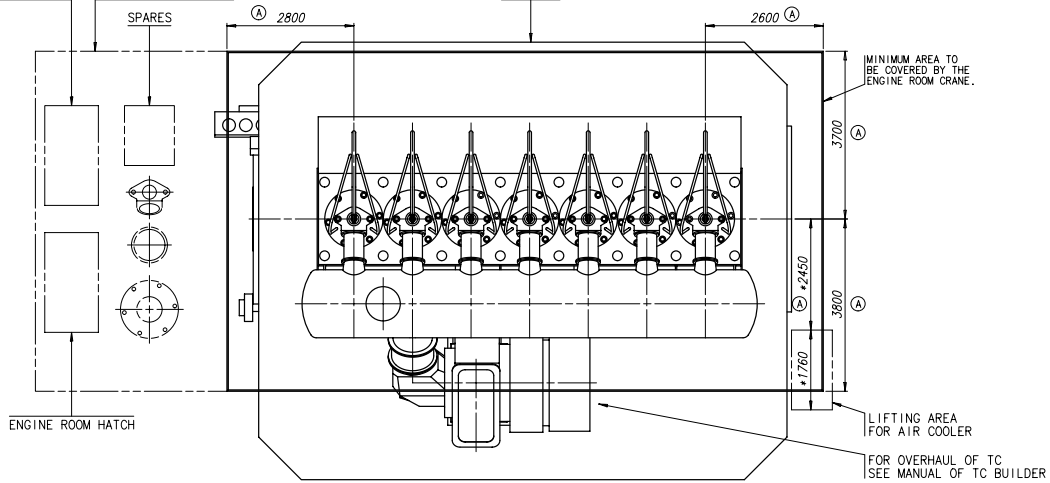
Antriebsseite
DRIVING END



TOOLS FOR PISTON AND CYL. COVER DISMANTLING

RECOMMENDED AREA TO
BE COVERED BY THE
ENGINE ROOM CRANE

PLATFORM OUTLINE



Gewicht ohne Wasser und Oel= 642 t
WEIGHT WITHOUT WATER AND OIL

Platz fuer Demontage

* PUTZ Tuer Demontage
SPACE FOR REMOVAL

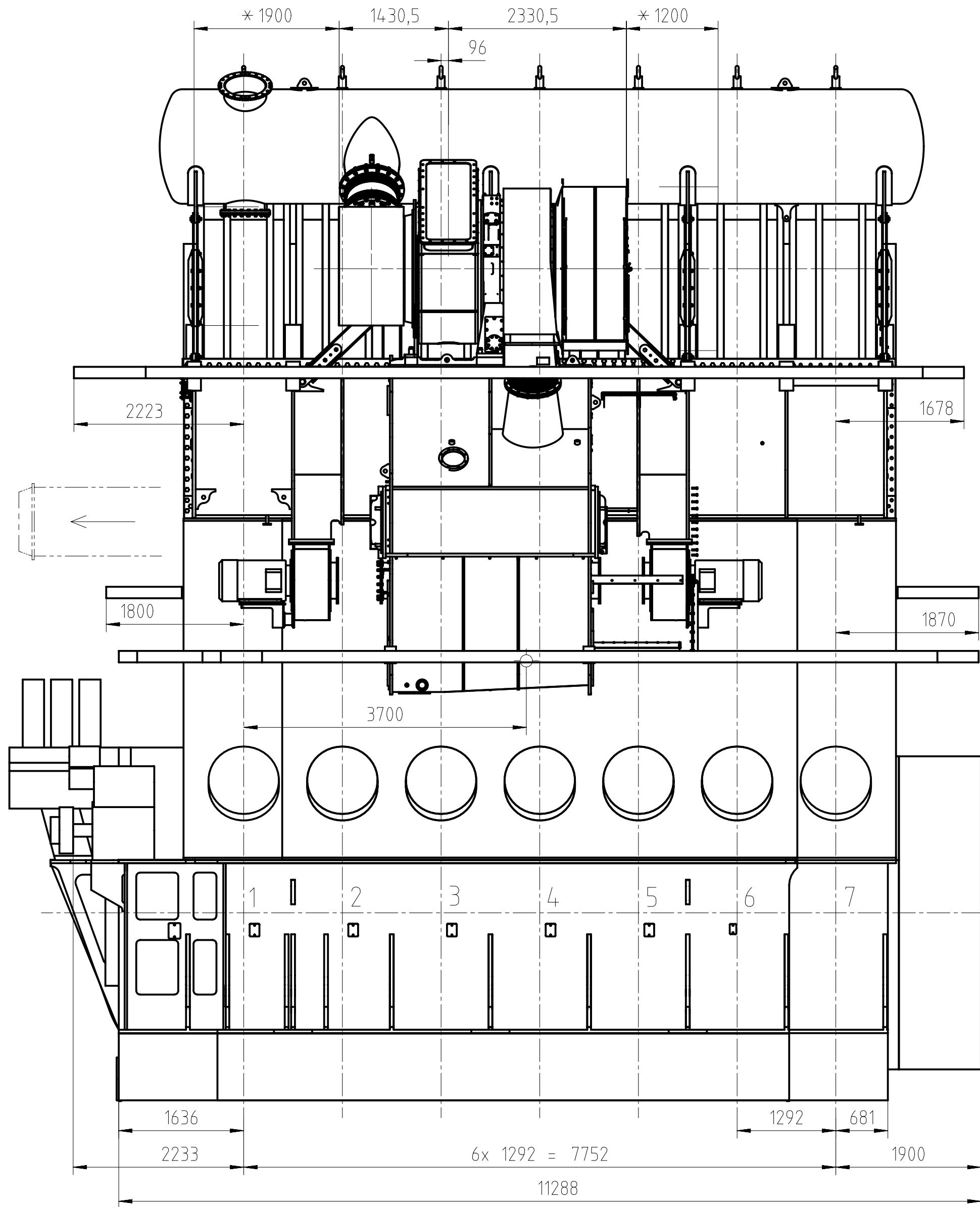
ca. Schwerpunkt
APPROX. CENTRE OF GRAVITY

TURBOCHARGER A190-L ©

1	001	PAAD082970	DISMANTLING DIMENSIONS			DAAD027096	0.001	
QTY	STD	Material ID	Material Name	Dimension/Std. Dimension	Standard or Drawing	Basic Material Material Standard	Weight (G./NET)	
Drawn by: Checked by: Date:	G-Code: xxxxxx Standard: ISO JIS					Rev: H		
	A DAAD084357/19.12.2012		B DAAD084419/21.01.2013		C DAAD085139/28.03.2014			
	Material	Number	Drawn date	Number	Drawn date	Number	Drawn date	
		Product N7X72		ENGINE OUTLINE VIEW A190 Motorsachsen A190			Unit Weight 0.001	
Units	mm	g	IDE	Basic Material				
Model	17.04.2012 csc001 C.Schultz			Scale	1:55	Size	A1	
Check	20.04.2012 gne01 Neracher			Design Group	0812		Material ID	
Rev	30.01.2013 bho09 Haag			Drawn by	DAAD027093		Rev:	

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"DXF file"

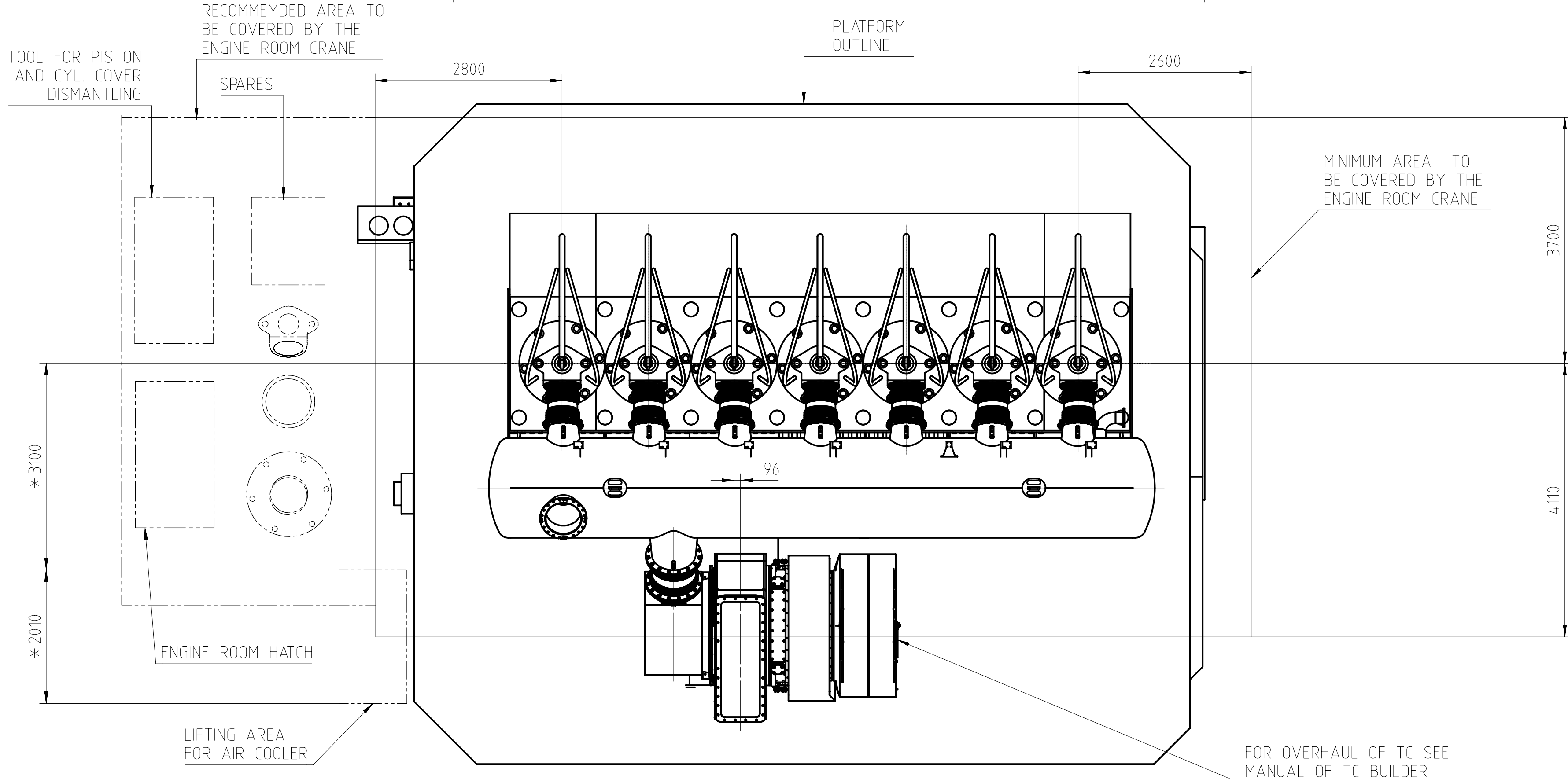
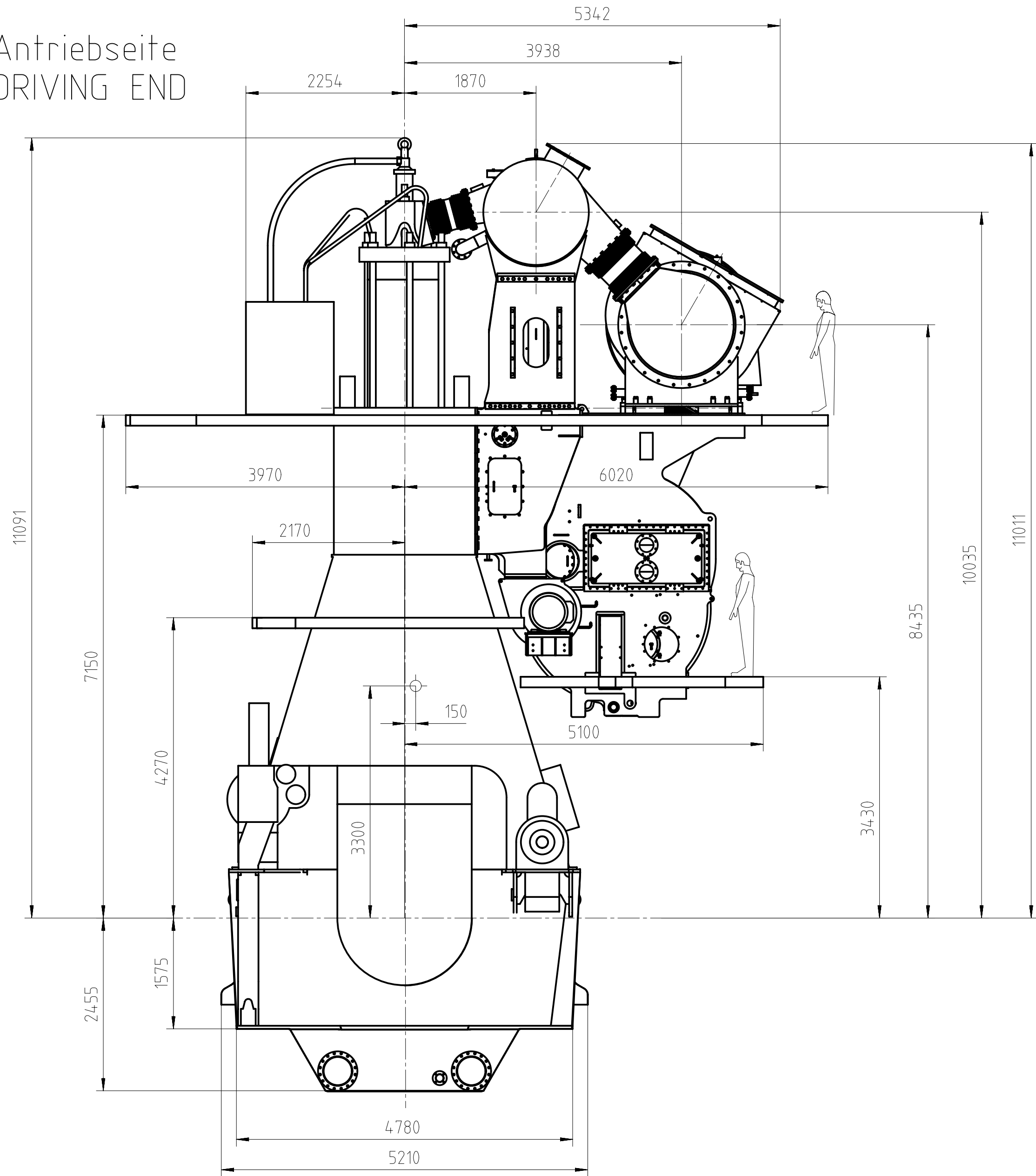
Abgasseite
EXHAUST SIDE



Antriebsseite
DRIVING END

Freies Ende
FREE END

Antriebsseite
DRIVING END



Gewicht ohne Wasser und Öl= 642 t
WEIGHT WITHOUT WATER AND OIL

*Platz fuer Demontage
SPACE FOR REMOVAL

ca. Schwerpunkt
APPROX. CENTRE OF GRAVITY

TURBOCHARGER MET83MB

TC Location : ES MID

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

Net Weight	0,001	1	001	PAAD082970	DISMANTLING DIMENSIONS	DAAD027096	0,001
Quantity PER ENGINE	SEQ. NO.	Material ID	Material Name	Dimension, Occ.	Standard or Drawing	Basic Material Material Standard	Weight GR./NET
PAAD0248392	Free space for TC	Modif.	Number	Drawn date	Number	Drawn date	Number
Material III	Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date
Product W7X72	ENGINE OUTLINE VIEW	Motoransichten	Units	mm kg	NX	Basic Material	Net Weight
Scale 1:50	Size A1	Page 1/1	Material ID	DAAD085023	Rev. -	Design Group	0812
SURFACE PROTECTION SEE GROUP 0344	Chkd 31.03.2017	mda006 Dacic	Appd 31.03.2017	mda006 Dacic	GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Design Group	0812
TOLERANCING PRINCIPLE ISO8015	Chkd 31.03.2017	mda006 Dacic	Appd 31.03.2017	mda006 Dacic	GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Design Group	0812

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

Ⓐ Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

2800 kg

④ Zylindereinsatz mit
Wasserleitmantel
CYLINDER LINER WITH
WATER GUIDE JACKET

Ⓐ Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL.

Ⓓ 5850 kg

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

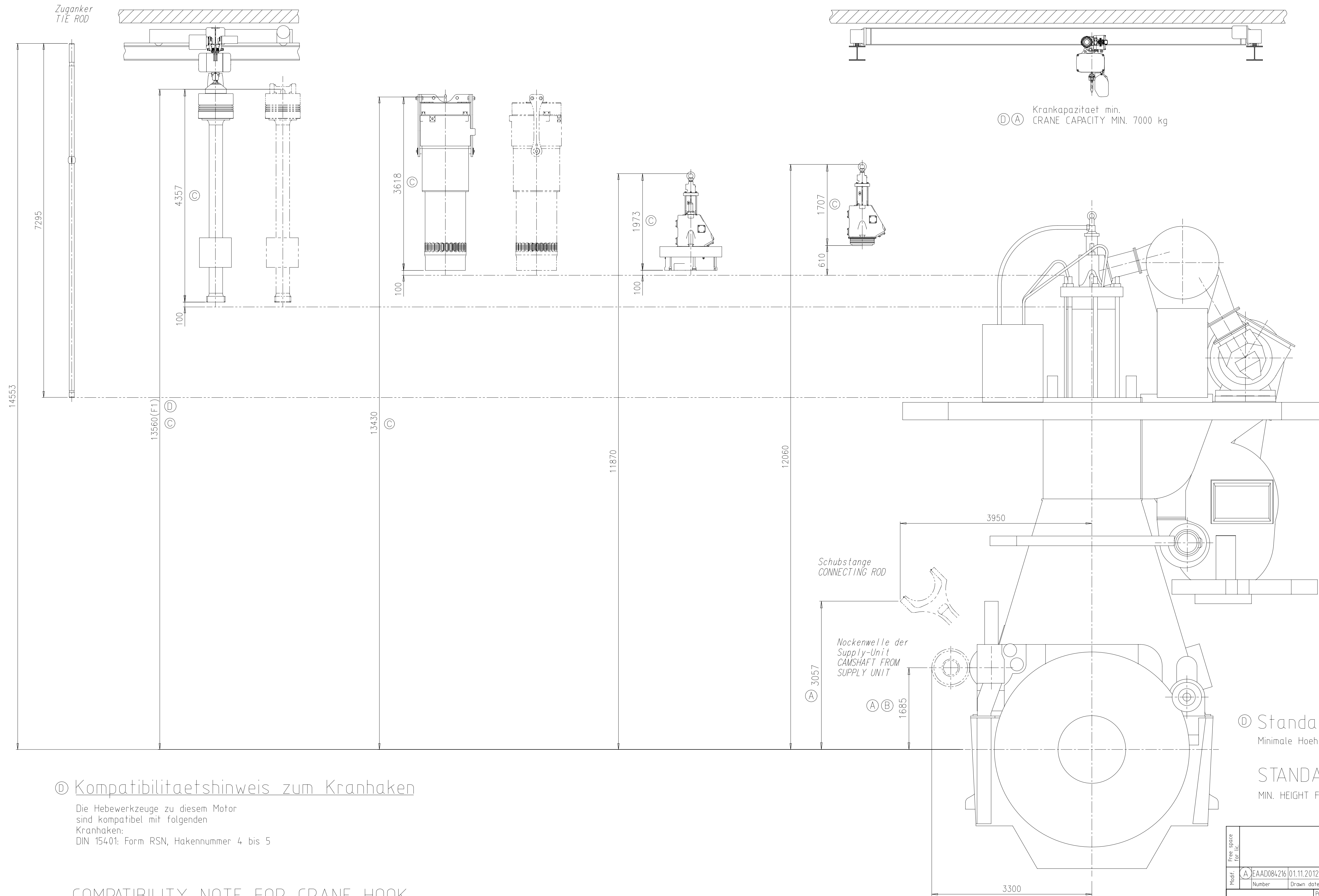
Ⓐ Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL

④ 3615 kg

Auslassventil komplett
EXHAUST VALVE COMPLETE

Ⓐ Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

Ⓓ 1060 kg



© Kompatibilitaetshinweis zum Kranhaken

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

COMPATIBILITY NOTE FOR CRANE HOOK


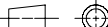
THE LIFTING TOOLS FOR THIS ENGINE
ARE COMPATIBLE WITH FOLLOWING
CRANE HOOK:
DIN 15401: SHAPE RSN, HOOK NUMBER 4 TO 5

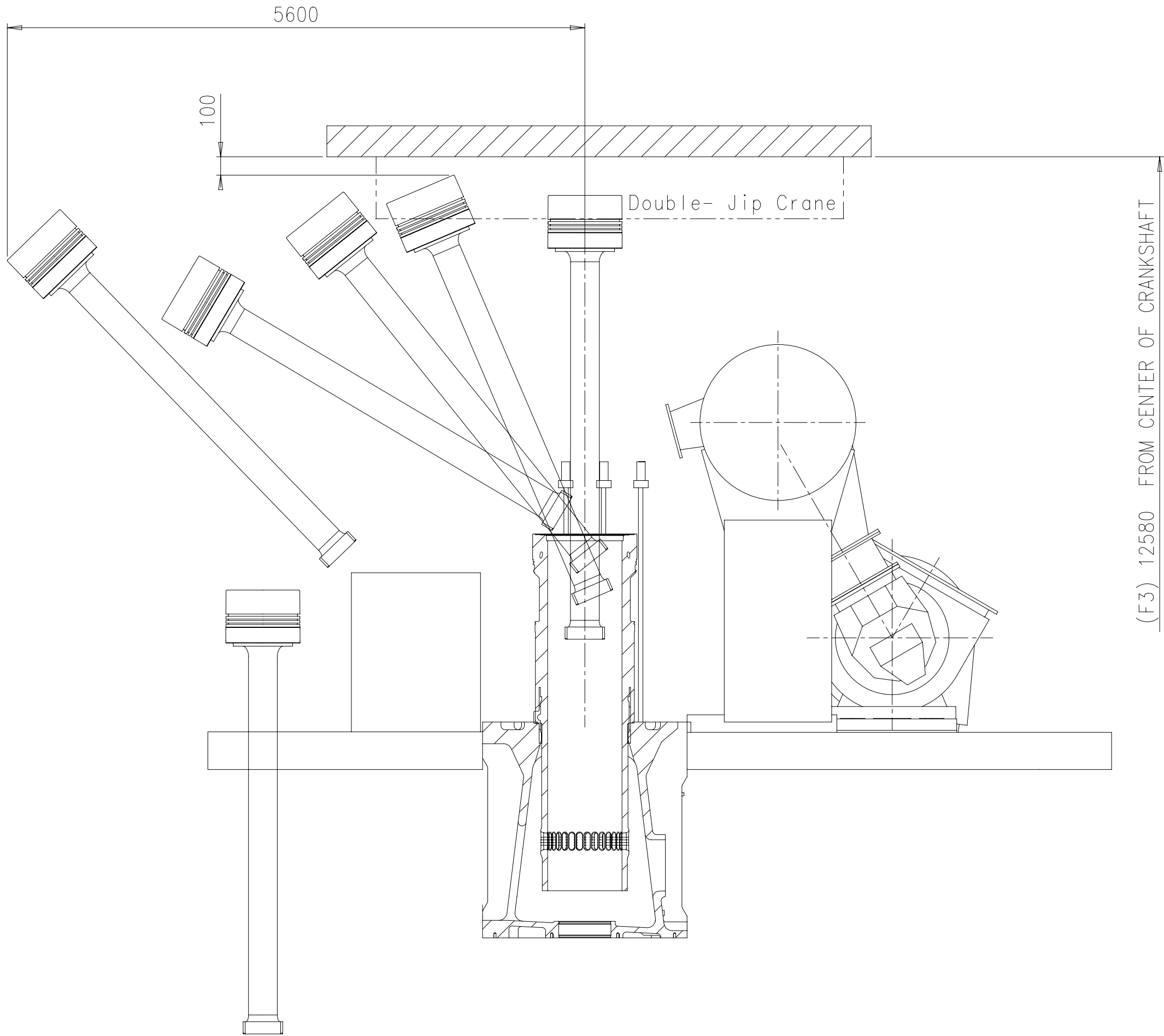
© Standardausbau

Minimale Höhe fuer den vertikalen Ausbau: F

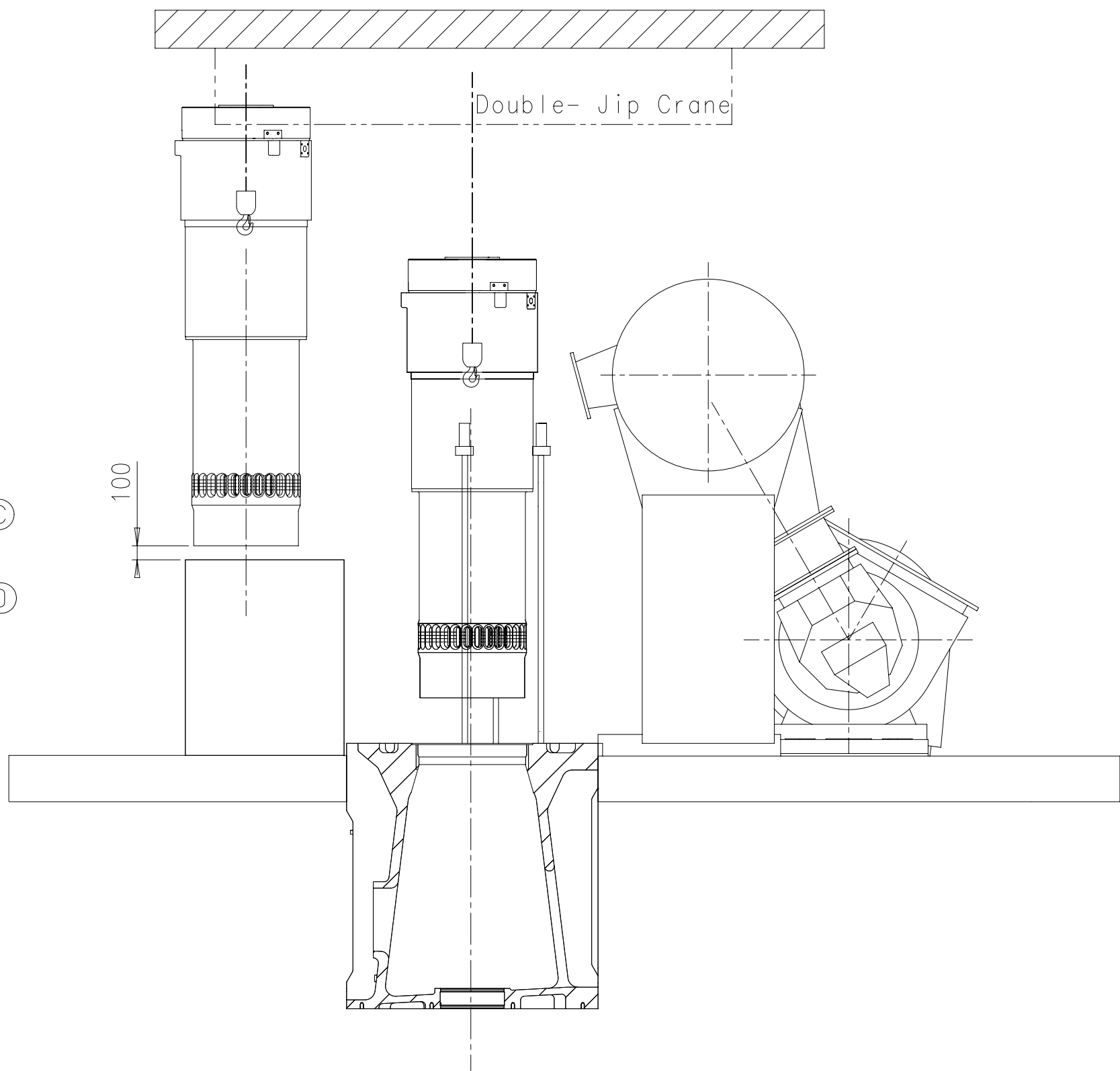
STANDARD DISMANTLING

MIN. HEIGHT FOR VERTICAL REMOVAL: F

Free space for l.c.	Q-Code XXXXXX						Main Brw.	
	Standard ISO: JIS							
Matd.	(A) EAAD084216	01.11.2012	(B) EAAD084357	11.01.2013	(C) EAAD084682	09.07.2013	(D) EAAD091495	22.04.2012
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
 WIN GD <i>Winterthur Gas & Diesel</i>		Product W-X72		DISMANTLING DIMENSIONS Ausbaumasse				
Units	mm kg	NX		 Basic Material				Net Weight 0,001
Made	17.04.2012	csc001	C.Schmutz	Scale	1:35	Size A1	Page 1/2	Material ID PAAD082970
Chkd	20.04.2012	pne001	Neracher	Design Group				
Appd	23.04.2012	bfr005	Freiher	0812	Drawing ID	DAAD027096		Rev. D

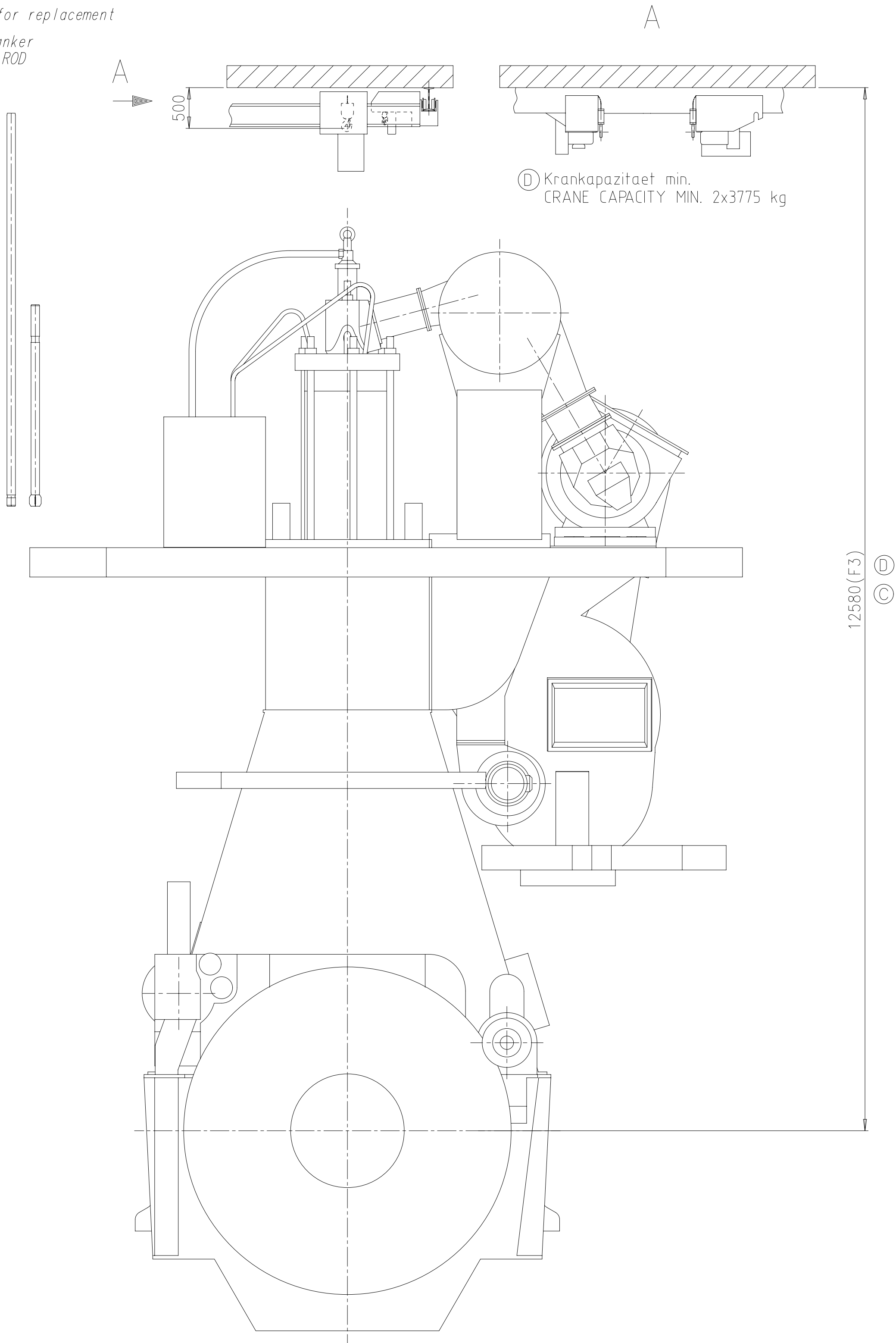


1. Disassembly of exhaust valve cage, cylinder cover and upper water guide jacket
2. Disassemble three cylinder cover bolts on fuel side
3. Pull out the piston with standard piston disassembly tool, then attach tool for further lifting
4. Proceed with tilted piston removal
5. Place piston on support for overhaul



6. Put the pins for liner lifting into designated holes
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



⑩ 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

⑩ 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

E: F3

Free space for file										Q-Code XXXXXX Standard ISO; JIS		Main Dwg.	
Modif.	A	EAAD084216	01.11.2012	B	EAAD084357	11.01.2013	C	EAAD084682	09.07.2013	D	EAAD091495	22.04.2020	
		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date	
<div>WIN GD Winterthur Gas & Diesel</div>				Product W-X72				DISMANTLING DIMENSIONS Ausbaumasse					
Units		mm kg	NX				Basic Material					Net Weight 0,001	
SURFACE PROTECTION SEE GROUP 0344													
Made	17.04.2012		csc001 C.Schmutz				Scale	1:35		Size	A1	Page 2/2	Material ID PAAD082970
Chkd	20.04.2012		pne001 Neracher				Design Group 0812	Drawing ID DAAD027096	Rev. D				
Appd	23.04.2012		bfr005 Frei										
GENERAL TOLERANCES ACCORDING TO ISO2768-mK													

WinGD-7X72_Engine-outline-views

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2018-02-26	DRAWING SET	First web upload
2020-07-17	DAAD027096	Revised Dismantling Dimensions drawing has been updated.

DISCLAIMER

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