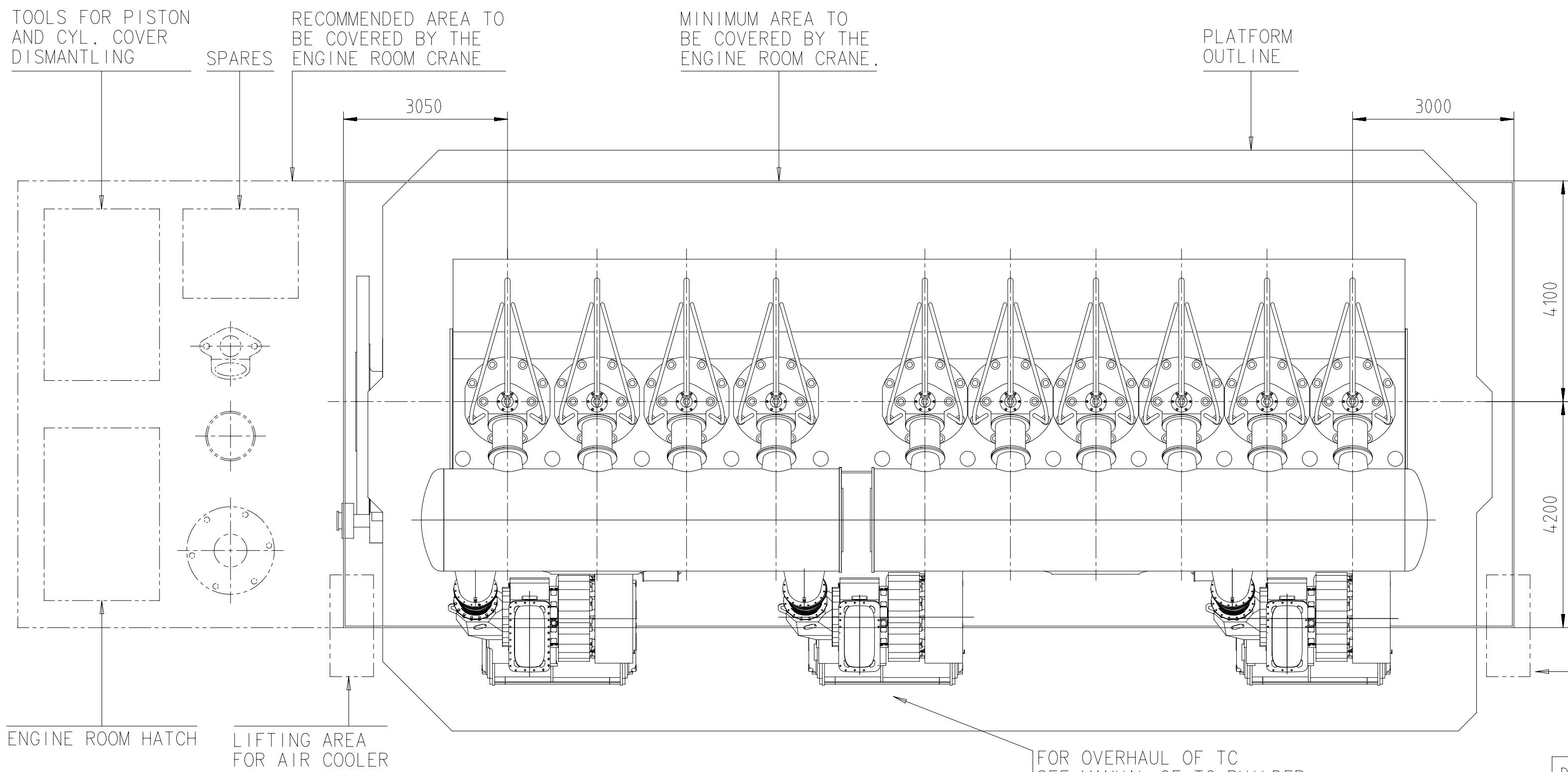
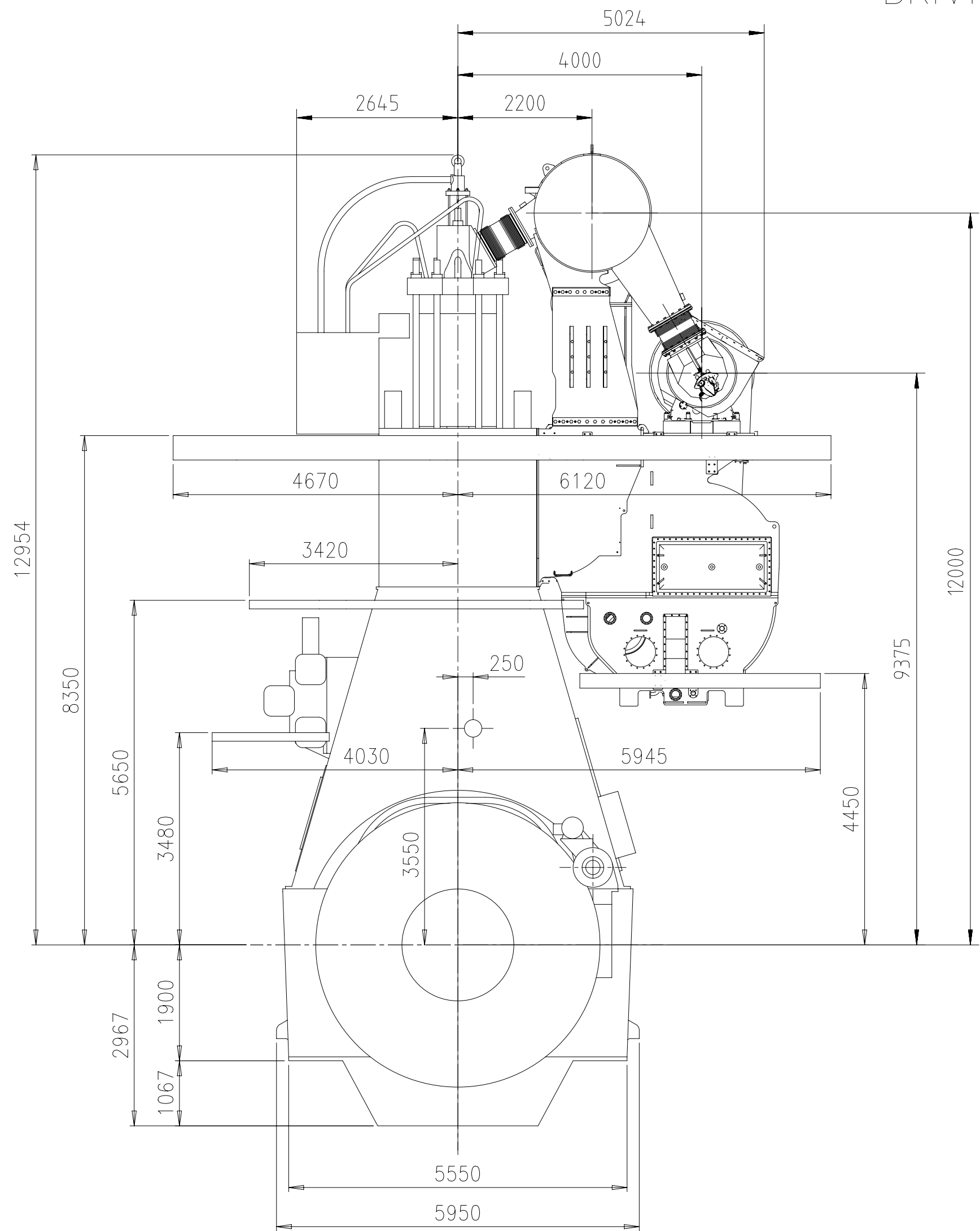
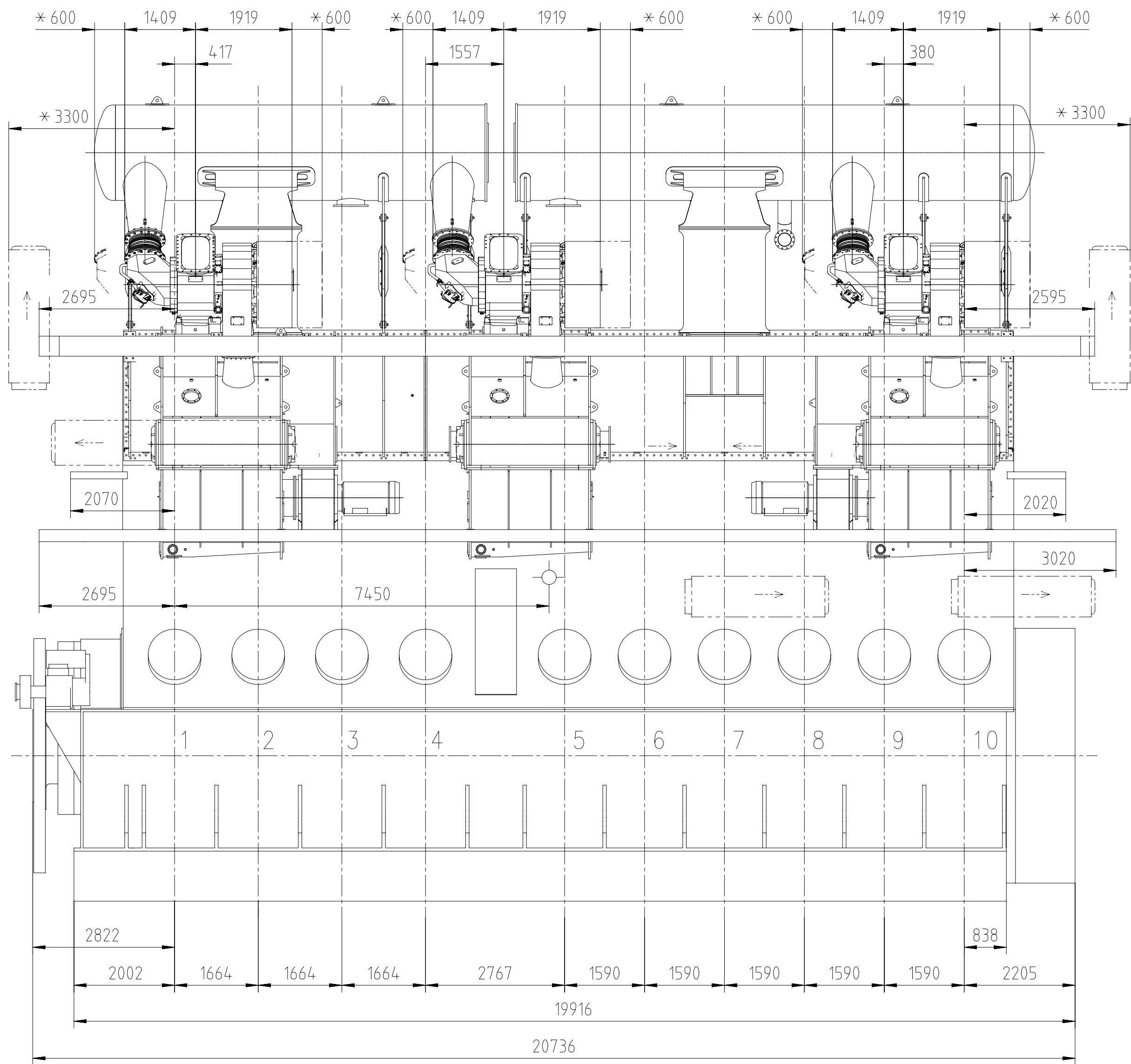


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EXHAUST SIDE

Antriebsseite  
DRIVING END



### TURBOCHARGER 3xA275-L

Gewicht ohne Wasser und Öl= 1860 t  
WEIGHT WITHOUT WATER AND OIL

\* = Platz fuer Demontage  
SPACE FOR REMOVAL

ca. Schwerpunkt  
APPROX. CENTRE OF GRAVITY

Net Weight	0,001	1		001	PAAD093149	DISMANTLING DIMENSIONS		DAAD029670	0,001	
Quantity PER ENGINE	SEQ. NO.	Material ID	Material Name	Dimension, Occ.	Standard or Drawing	Basic Material	Material Standard	Q-Code	Material Standard	Weight GR./NET
PAAD028060	Free space for TC							XXXXX	Standard ISO, JIS	Main Drw. H
Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
Materials	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date

Winterthur Gas & Diesel

Product W10X92

ENGINE OUTLINE VIEW

Motoransichten

Units	mm kg	NX	Basic Material	Net Weight
Made	12.06.2017	Balasubramanyam	Scale 1:70	
Chkd	13.12.2017	r002 Filegans	Design Group	
Appd	13.12.2017	mda006 Dacic	0812	

DAAD095149

Rev. -

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

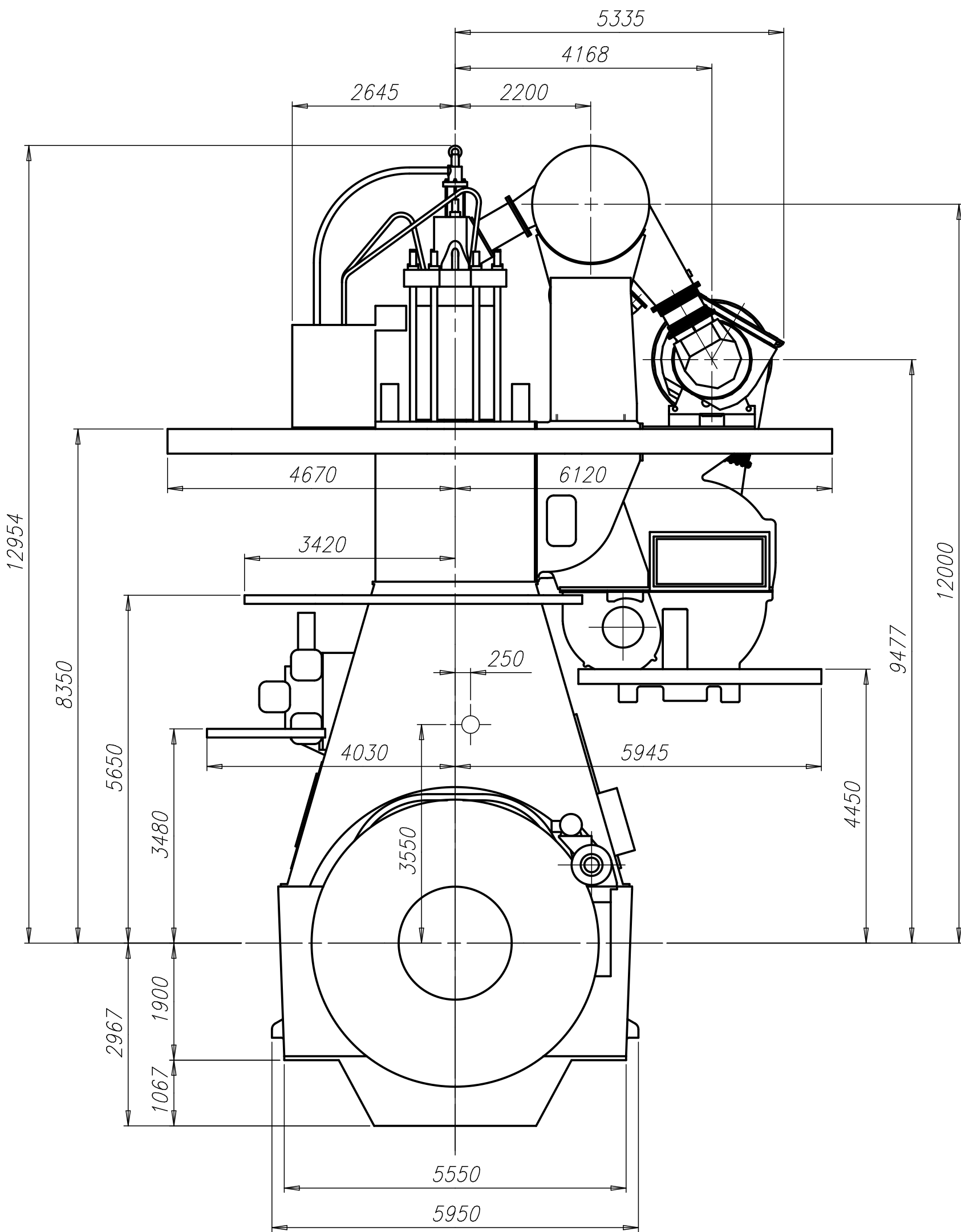
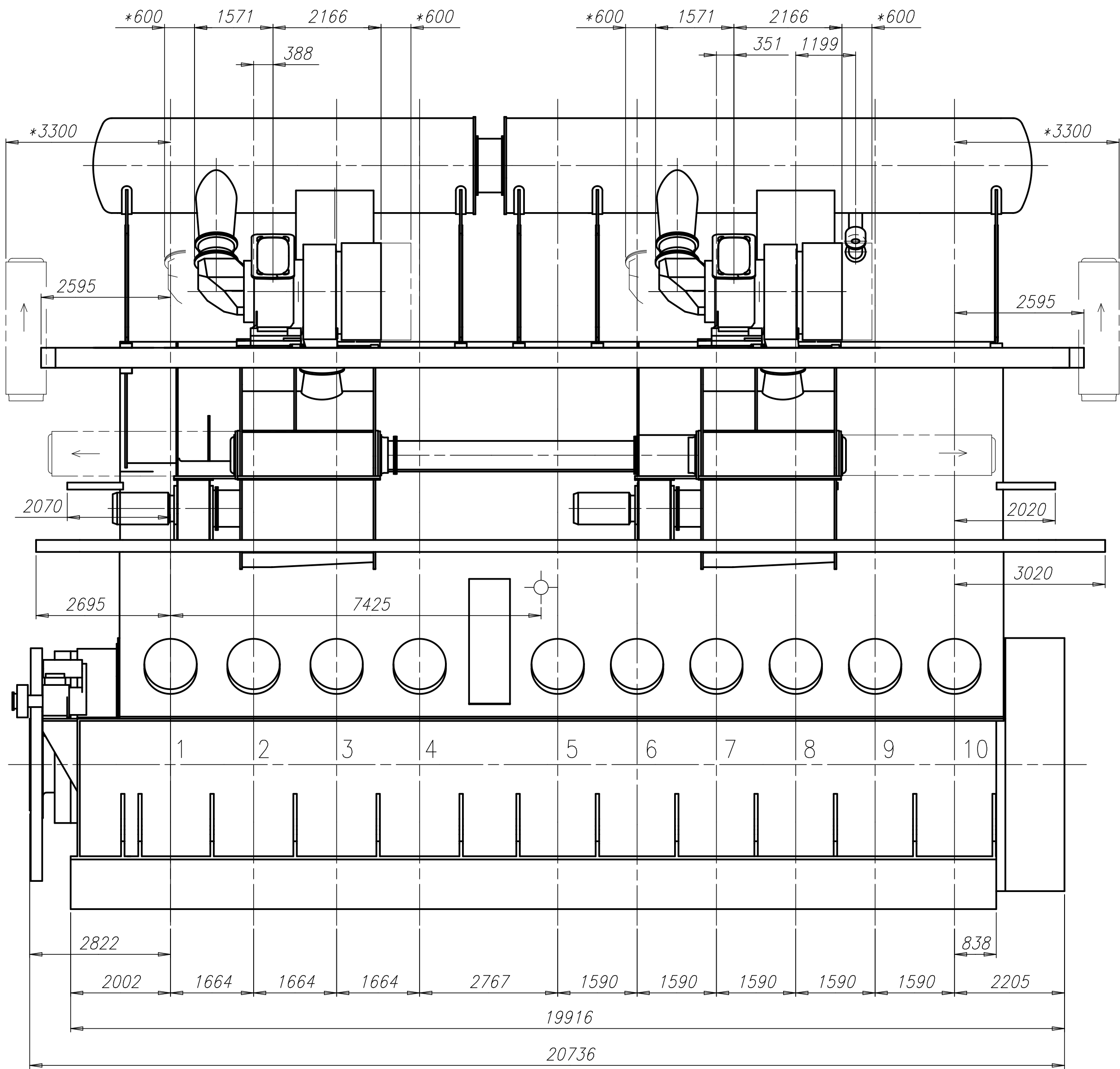
SURFACE PROTECTION SEE GROUP 0344  
TOLERANCING PRINCIPLE ISO8015  
GENERAL TOLERANCES ACCORDING TO ISO2768-mK

12.06.2017 Balasubramanyam  
13.12.2017 r002 Filegans  
13.12.2017 mda006 Dacic

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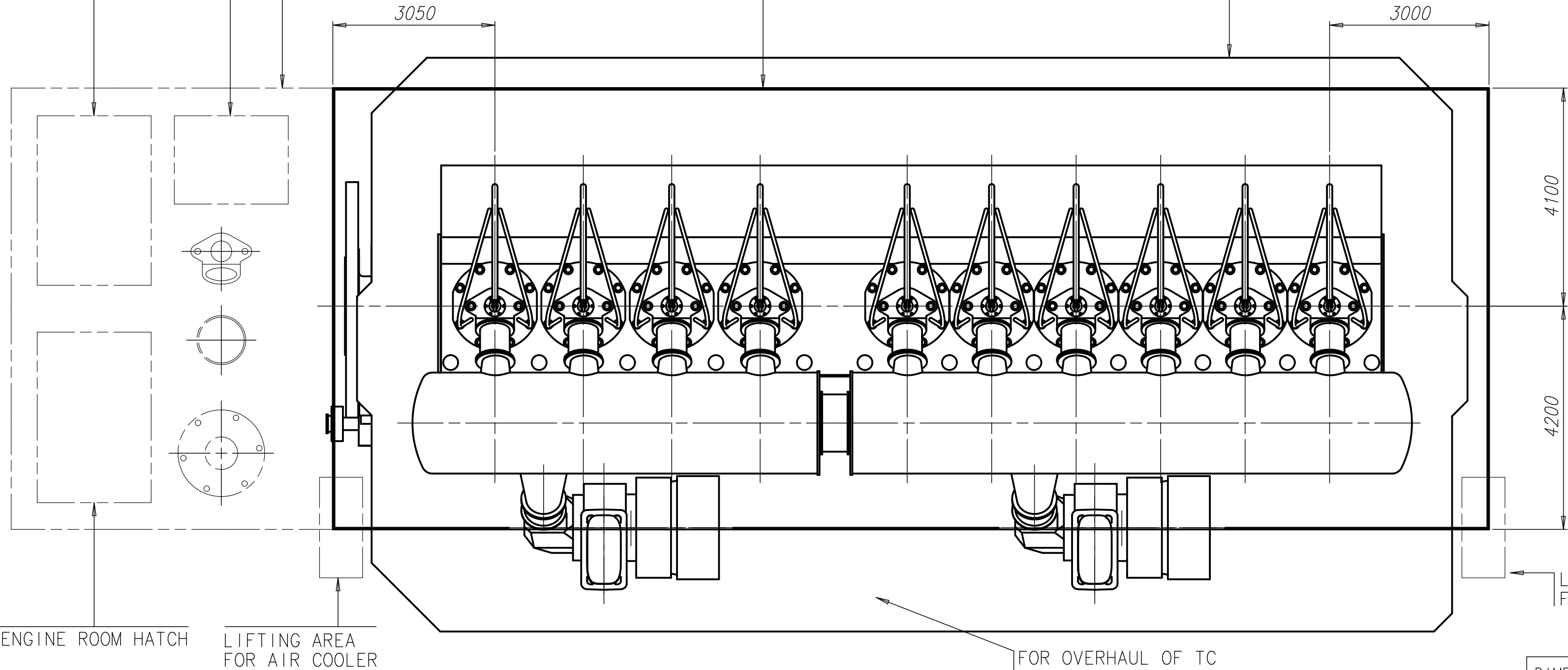
TOOLS FOR PISTON  
AND CYL. COVER  
DISMANTLING

SPARES

RECOMMENDED AREA TO  
BE COVERED BY THE  
ENGINE ROOM CRANE

MINIMUM AREA TO  
BE COVERED BY THE  
ENGINE ROOM CRANE

PLATFORM  
OUTLINE



LIFTING AREA  
FOR AIR COOLER

FOR OVERHAUL OF TC  
SEE MANUAL OF TC BUILDER

## TURBOCHARGER 2xA280-L

Gewicht ohne Wasser und Öl= 1790 t  
WEIGHT WITHOUT WATER AND OIL

\* = Platz fuer Demontage  
SPACE FOR REMOVAL

ca. Schwerpunkt  
APPROX. CENTRE OF GRAVITY

Net Weight	0.001	Quantity	1	001	PAAD093149	DISMANTLING DIMENSIONS	DAAD029670	Weight GR./NET	0.001
PER ENGINE	SEQ NO	Material ID	Material Name	Dimension/Occ.	Dimension	Standard or Drawing	Basic Material Material Standard	Q-Code	XXXXXX
PAAD254668	Free space for L.S.						Standard	ISO JIS	H
Material ID	Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
Units	mm	kg	IDE	Basic Material	Net Weight	Scale	1:70	Size	A1
Mod	22.02.2017	hda002	Doerre	Design Group	0812	Drawing ID	DAAD087604	Rev.	-
Chkd	27.04.2017	lne003	Herczeg	Appd	27.04.2017	mda006	Dacic		
GENERAL TOLERANCES ACCORDING TO	ISO2768-mK								
SURFACE PROTECTION SEE GROUP	0344								
TOLERANCING PRINCIPLE	ISO8015								
Product	W10X92								
ENGINE OUTLINE VIEW									
Motoransichten									

DIMENSIONS ONLY FOR REFERENCE  
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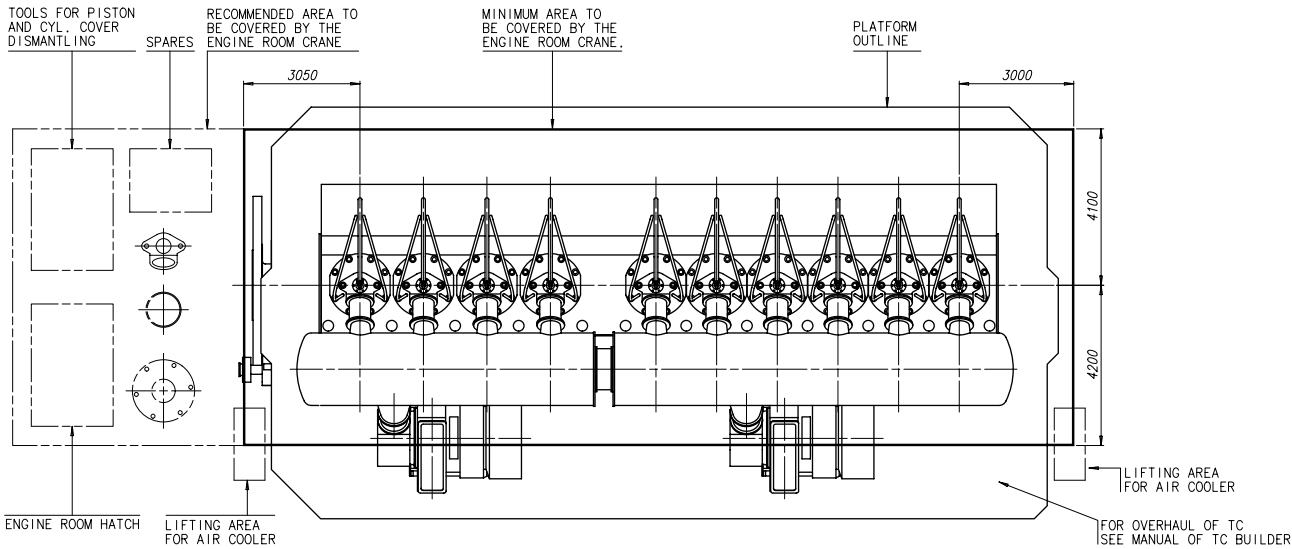
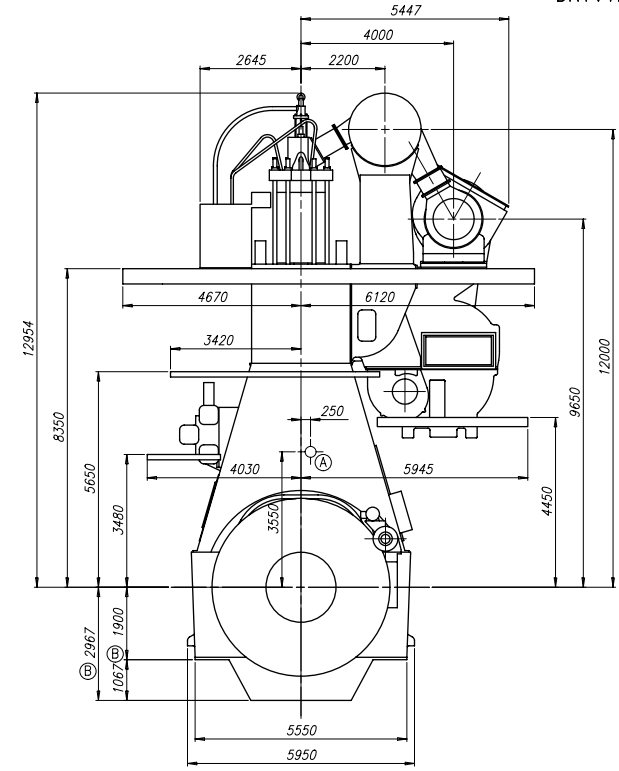
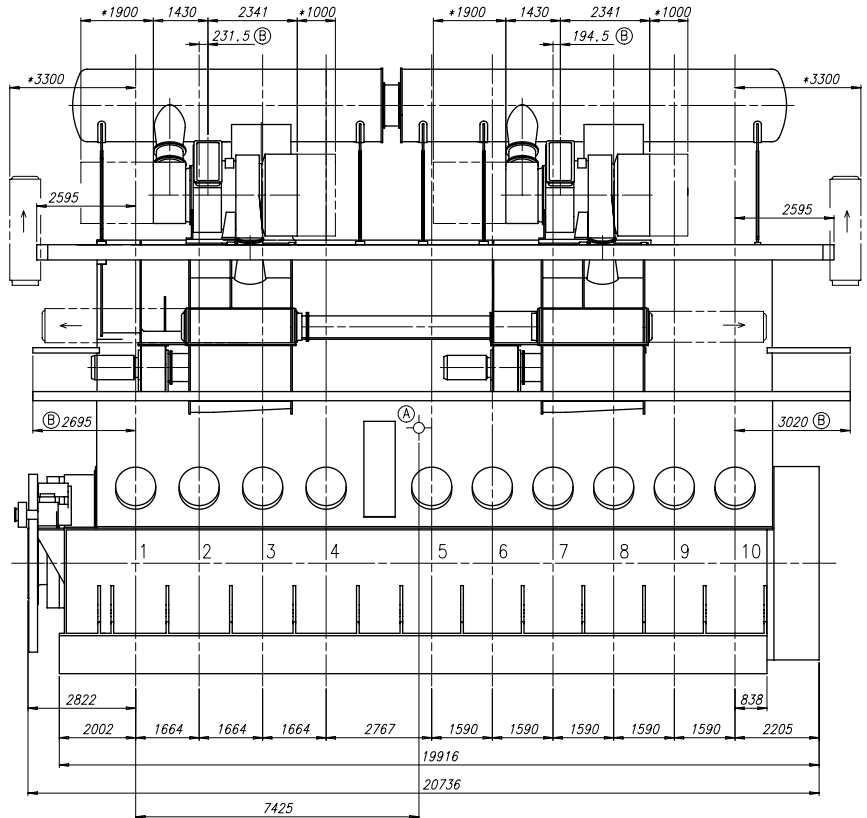
Approved

2D - DIMENSIONAL DRAWING - Confidential

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**TURBOCHARGER 2xMET83MB**

Gewicht ohne Wasser und Öl= 1790 t  
WEIGHT WITHOUT WATER AND OIL

\* = Platz fuer Demontage  
SPACE FOR REMOVAL

ca. Schwerpunkt  
APPROX. CENTRE OF GRAVITY

Net Weight	1	001	PAAD093149	DISMANTLING DIMENSIONS	DAAD029670	0.001
PER ENGINE	Material ID	Material Name	Dimension/Qty/Dimension	Standard or Drawing	Basic Material Material Standard	Weight GR./NET
PAAD204450	Free space for TC	EAAD085829	16.02.2016		XXXXX	H
Material ID	Number	Drawn date	Number	Drawn date	Number	Drawn date

**WIN G**  
Winterthur Gas & Diesel

Product: W10X92

ENGINE OUTLINE VIEW  
MET83MB  
Motoransichten  
MET83MB

Units	mm	kg	IDE	Scale	1:70	Size	A1	Page	1/1	Material ID	Net Weight
SURFACE PROTECTION	SEE GROUP 0344	Mode	15.09.2015	hd002	Doerre	Scale	1:70	Size	A1	Page	1/1
TOLERANCING PRINCIPLE	ISO8015	Chkd	29.10.2015	as104	Stephan	Design Group	0812	Drawing ID	DAAD070594	Rev.	A
GENERAL TOLERANCES	ACCORDING TO ISO2768-mS	Appd	29.10.2015	bhd09	Hoag						



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Kompatibilitätshinweis zum Kranhaken

Die Hebwerkzeuge zu diesem Motor  
sind kompatibel mit folgenden  
Kranhaken:

DIN 15401: Form RSN, Hakennummer 5 bis 6

COMPATIBILITY NOTE FOR CRANE HOOK

THE LIFTING TOOLS FOR THIS ENGINE  
ARE COMPATIBLE WITH FOLLOWING  
CRANE HOOK:


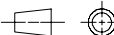
DIN 15401: SHAPE RSN, HOOK NUMBER 5 TO 6

Standardausbau

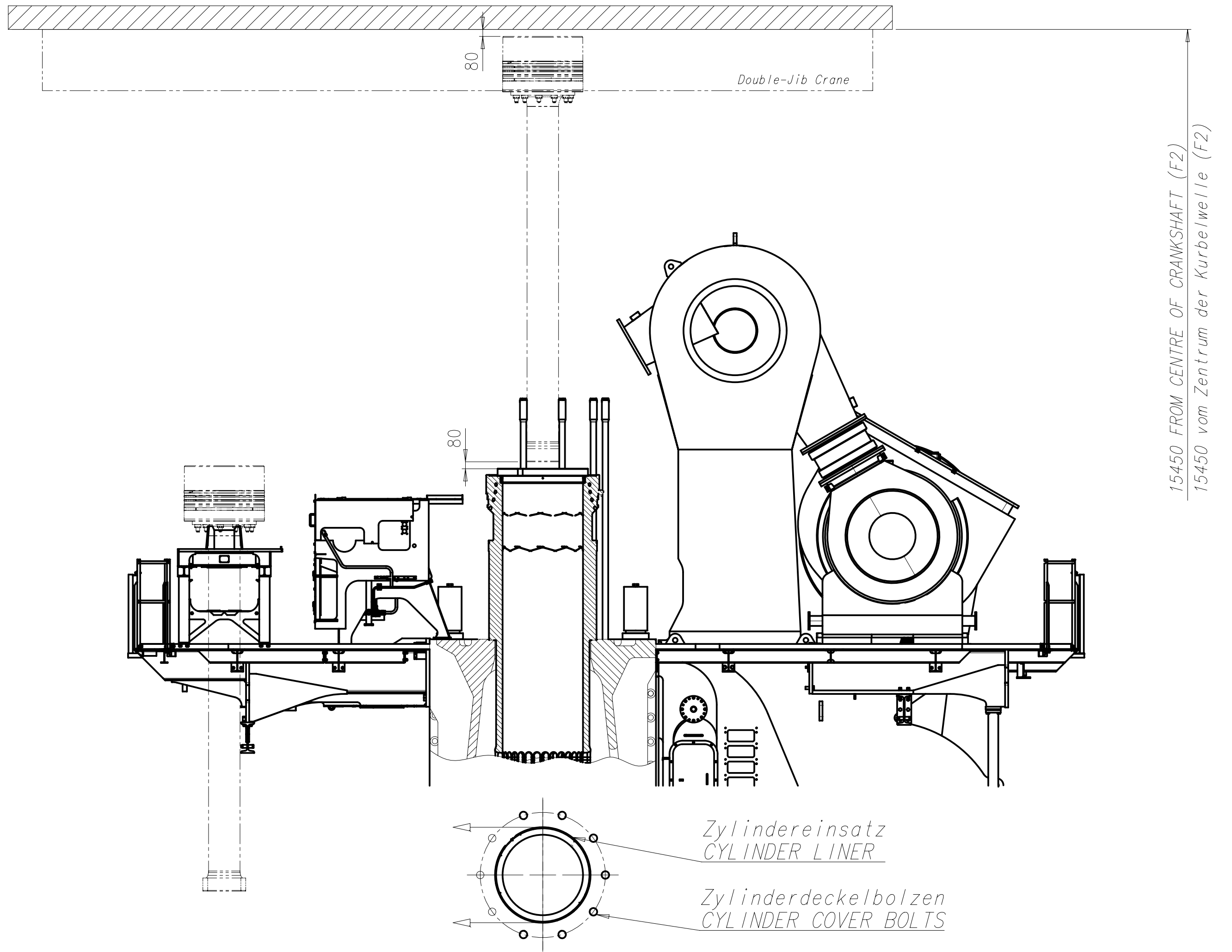
Minimale Hoehe fuer den vertikalen Ausbau: F1

STANDARD DISMANTLING

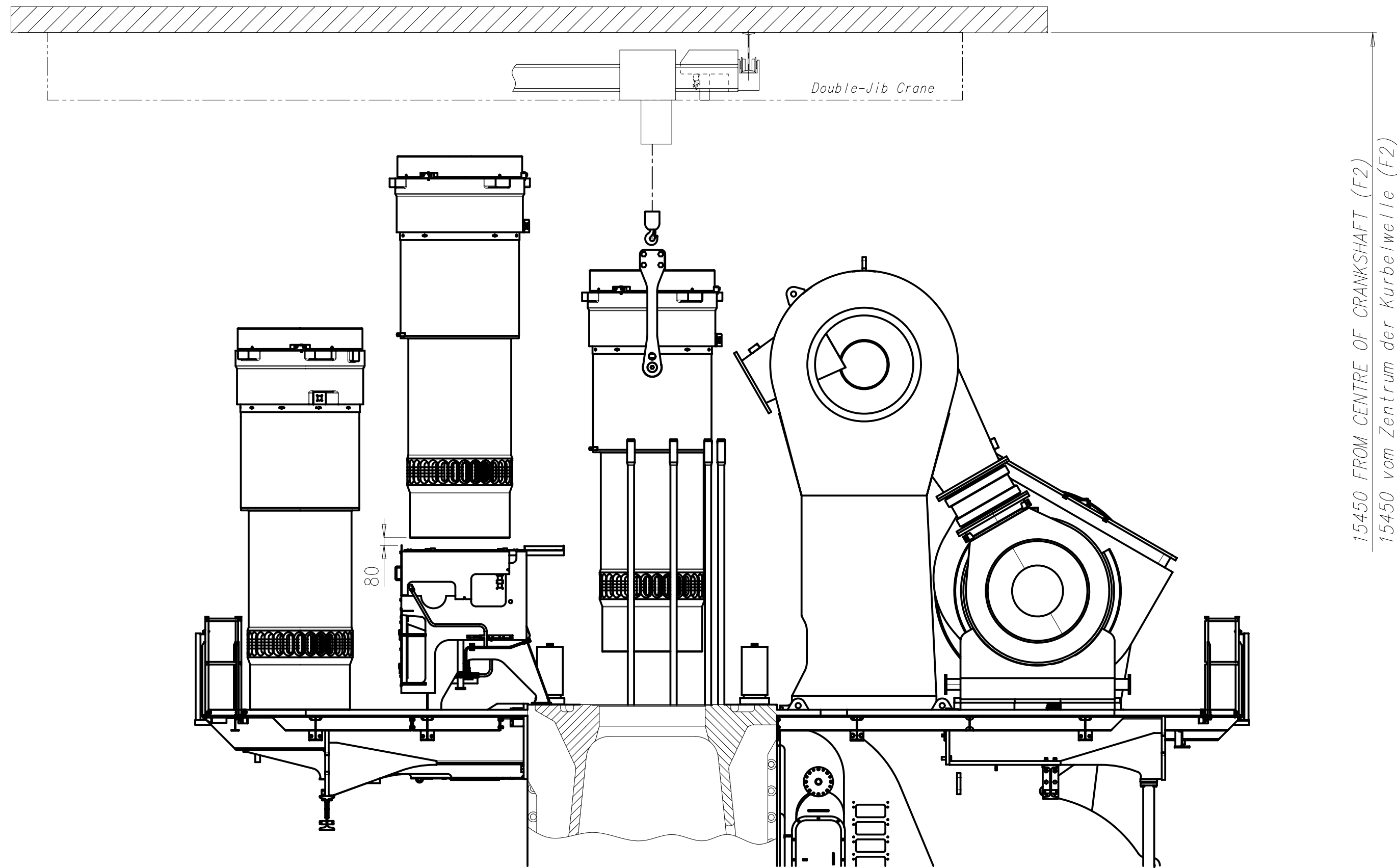
MIN. HEIGHT FOR VERTICAL REMOVAL: F1

Free space for logo										D-Code XXXXXX		Main Dwg.			
										Standard ISO; JIS					
Modif.	A	EAAD084939	08.11.2013	B	EAAD085196	27.05.2014	C	EAAD091495	06.04.2020						
	Number		Drawn date	Number		Drawn date	Number		Drawn date	Number	Drawn date				
Product X92				DISMANTLING DIMENSIONS											
 Winterthur Gas & Diesel				Ausbaumasse											
Units	mm kg	NX				Basic Material				Net Weight 0,001					
SURFACE PROTECTION SEE GROUP 0344		Made	05.06.2013	csc002 K.Schmutz		Scale	1:50		Size	A1	Page	1/3	Material	B	PAAD093149
TOLERANCING PRINCIPLE ISO8015		Chkd	05.06.2013	hke002 Kern		Design Group									
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appr	05.06.2013	bfr005 Frei		0812		Drawing ID		DAAD029670				Rev. C	

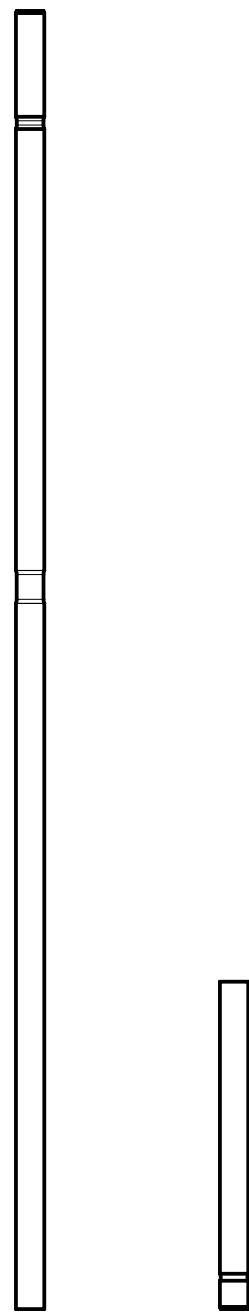
Kolbenausbau  
PISTON DISMANTLING



Ausbau Zylindereinsatz  
DISMANTLING OF CYLINDER LINER

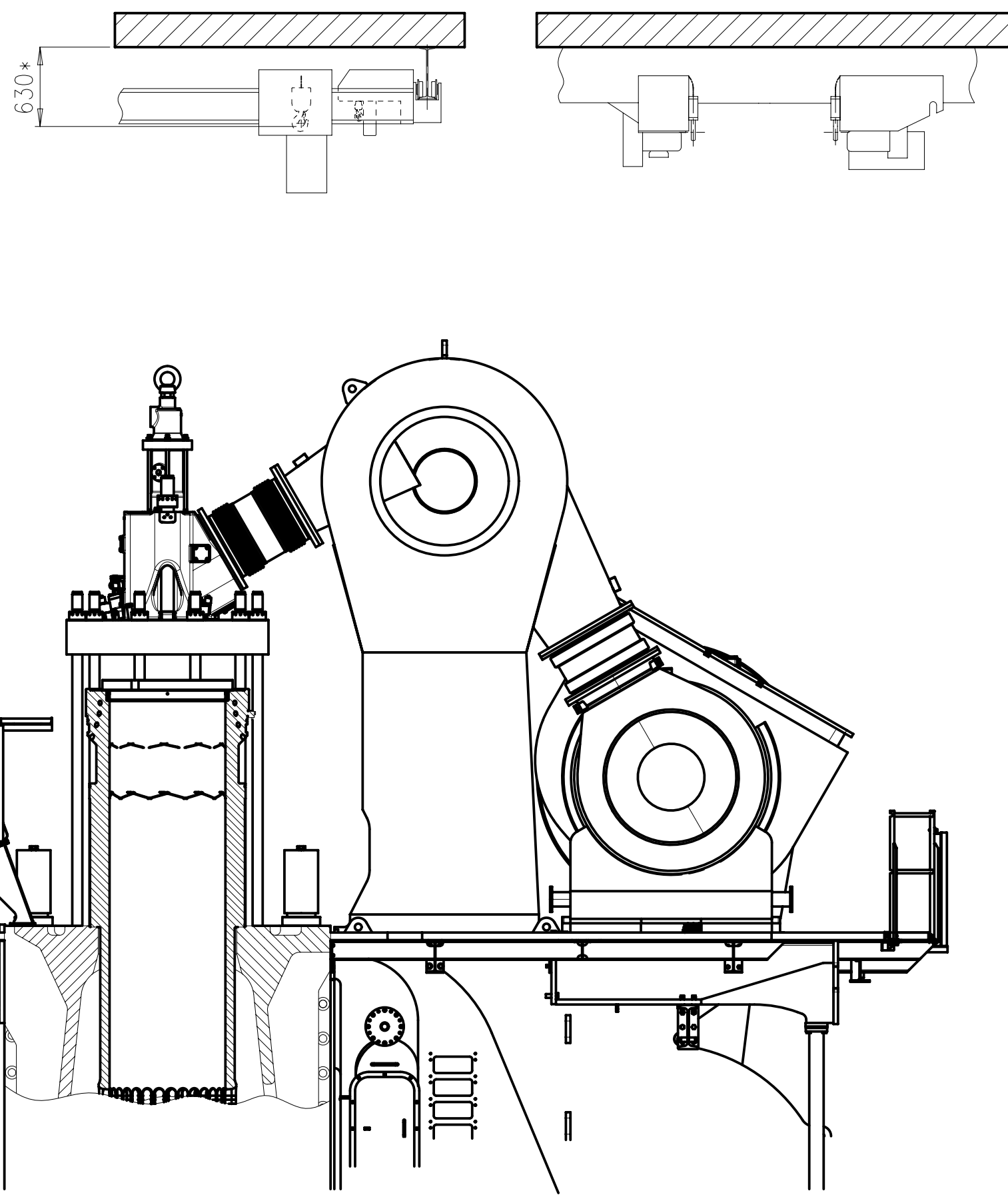


Zuganker zweiteilig  
TWO-PART TIE ROD



DOUBLE-JIB CRANE

Krankapazität min. 2x6600 kg  
CRANE CAPACITY MIN. 2x6600 kg



Voraussetzungen fuer diese Ausbautart

- alle Zylinderdeckel-Dehnbolzen auf der Brennstoffpumpenseite müssen zweiteilig ausgeführt werden
- zweiteilige Zuganker im Reparaturfall
- Spezialkran (Double-Jib)
- spezielle Hebwerkzeuge für den Kolben
- spezielle Hebwerkzeuge für den Zylindereinsatz

REQUIREMENTS FOR THIS DISMANTLING METHOD

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

Standardausbau mit  
Double-Jib Kran

Minimale Höhe für den vertikalen  
Ausbau mit dem Double-Jib Kran

\*Die Distanz von der obersten  
Hakenposition bis zur  
Decke variiert je nach der  
ausgewählten Kranausführung

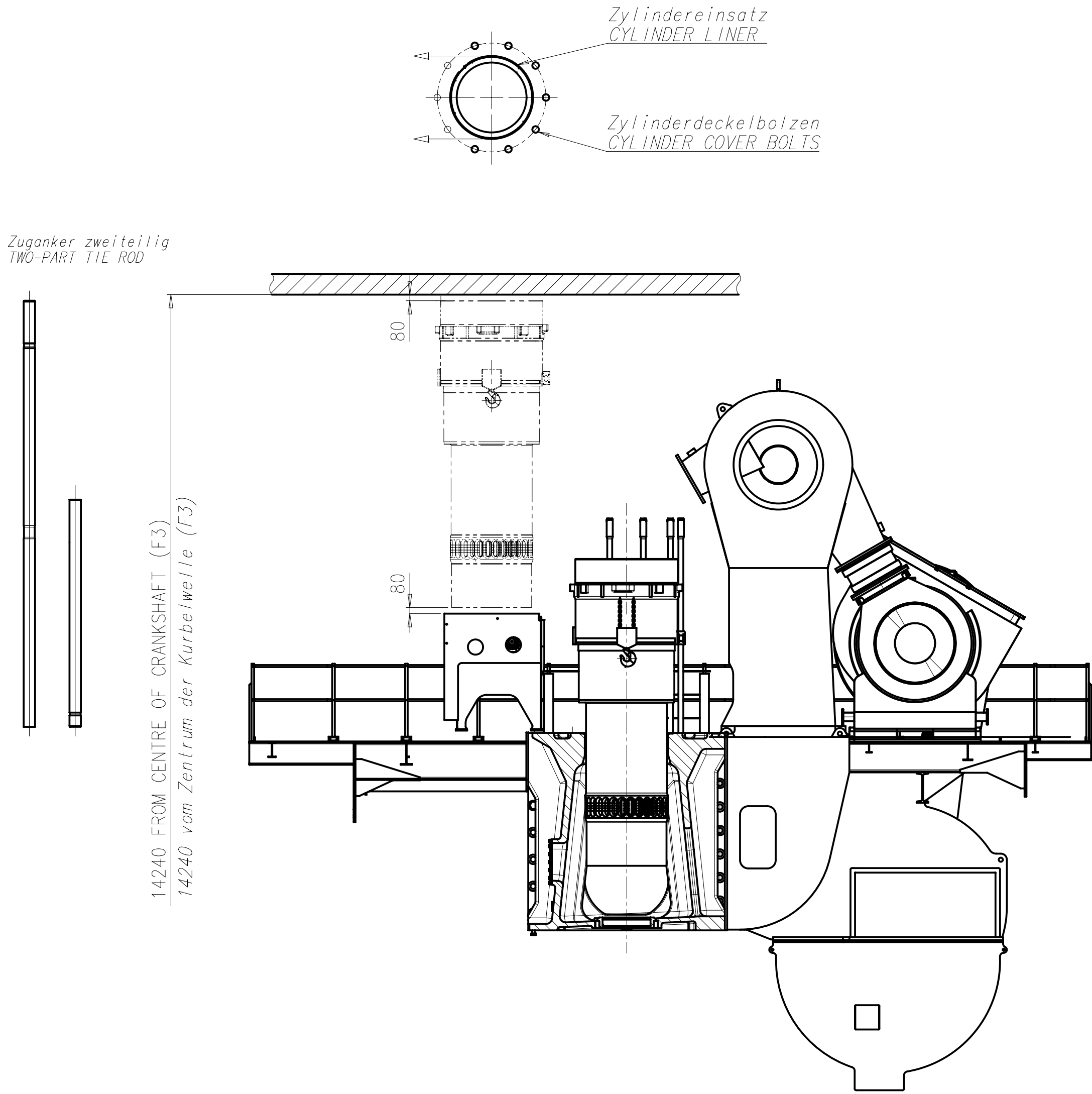
STANDARD DISMANTLING  
WITH DOUBLE-JIB CRANE

MIN. HEIGHT FOR VERTICAL REMOVAL WITH DOUBLE-JIB CRANE: F2

\*DISTANCE BETWEEN TOP POSITION OF HOOK  
AND ENGINE ROOM CEILING VARIES DEPENDING  
ON CRANE TYPE.

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

SURFACE PROTECTION SEE GROUP 0344	Made	05.06.2013	csc001 C.Schmutz	Scale	1:40	Size	A1	Page	2/3	Material	PAAD093149
TOLERANCING PRINCIPLE ISO8015	Chkd	05.06.2013	hke002 Kern	Design Group		Drawing ID	DAAD029670	Rev.	C		
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	05.06.2013	bfr005 Frei		0812						

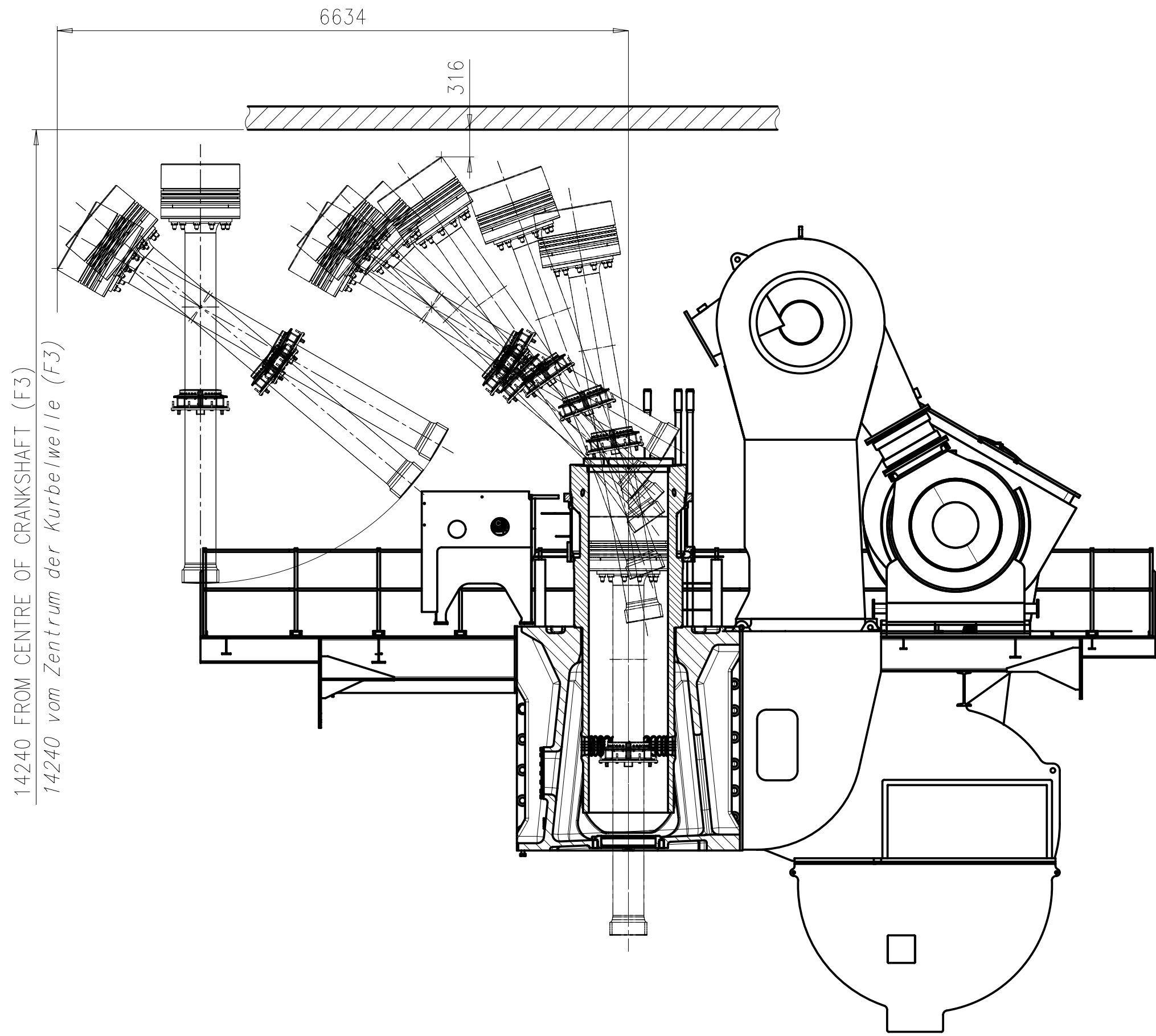


## Voraussetzungen fuer diese Ausbauart

- zweiteilige Zylinderdeckel-Dehnbolzen auf der Brennstoffpumpenseite
- zweiteilige Zuganker im Reparaturfall
- Spezialkran (DOUBLE-JIB)
- spezielle Hebewerkzeuge für den Zylindereinsatz und den Kolben
- damit der Zylindereinsatz ausgebaut werden kann, müssen die benachbarten Zylinderdeckel demontiert werden.

## REQUIREMENTS FOR THIS DISMANTLING METHOD

- TWO-PIECE ELASTIC STUDS FOR CYLINDER COVER ON FUEL PUMP SIDE
- TWO-PART TIE ROD IN CASE OF REPAIR
- SPECIAL CRANE (DOUBLE-JIB)
- SPECIAL LIFTING TOOLS FOR CYLINDER LINER AND PISTON
- FOR CYLINDER LINER DISMANTLING THE NEIGHBOURING CYLINDER COVERS NEED TO BE REMOVED, TOO



## Standardausbau mit Double-Jib Kran

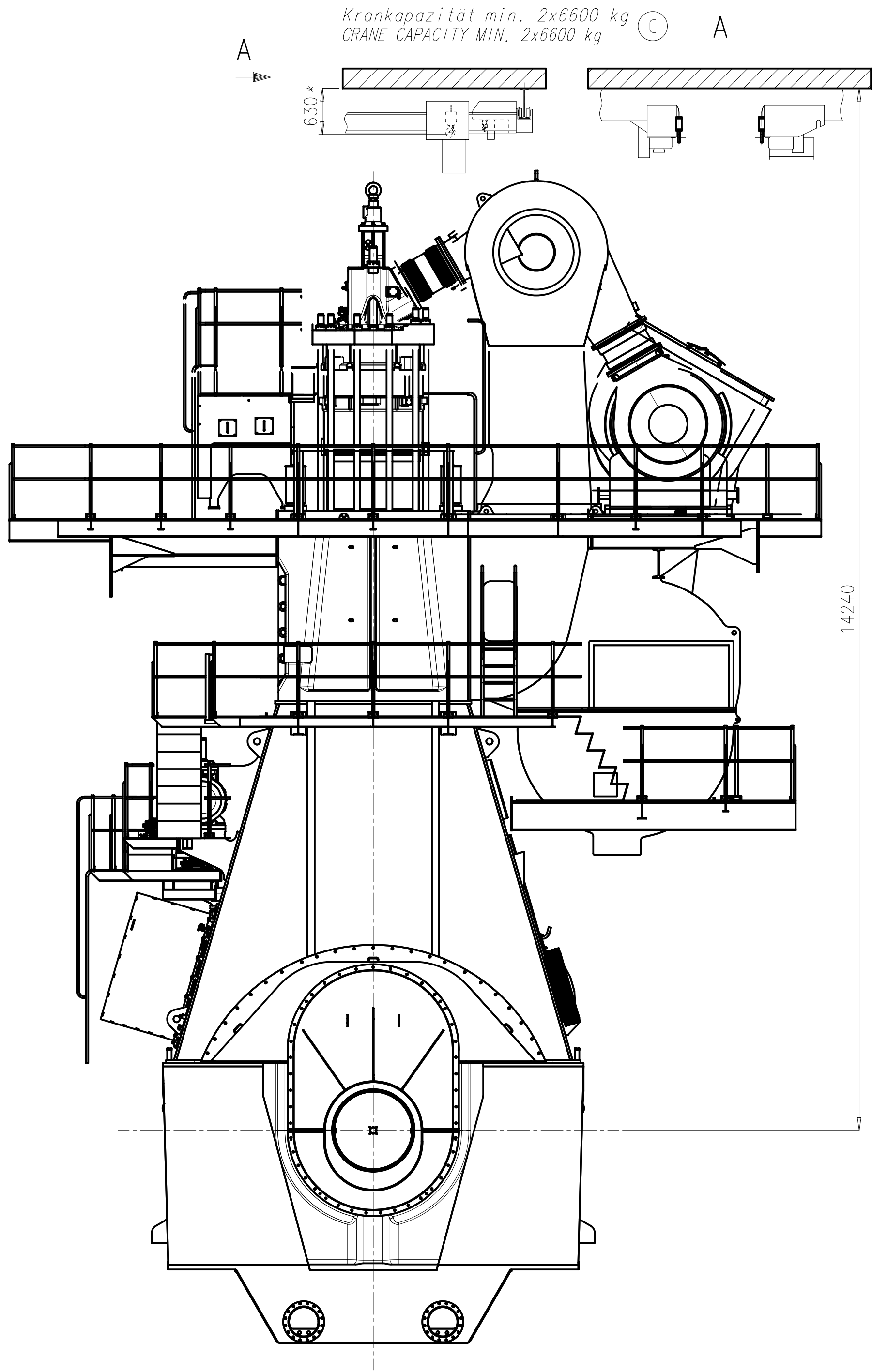
Minimale Hoehe fuer den gekippten Ausbau mit dem Double-Jib Kran: F3  
Die Distanz von der obersten Hakenposition bis zur Decke variiert je nach der ausgewaehlten Kranausfuehrung


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



Free space for file										Q-Code XXXXXX		Main Drw.												
										Standard ISO; JIS														
Modif.	A	EAAD084939	08.11.2013	B	EAAD085196	27.05.2014	C	EAAD091495	06.04.2020															
												Number	Drawn date	Number	Drawn date	Number	Drawn date							
												Product X92	DISMANTLING DIMENSIONS											
												 Winterthur Gas & Diesel	Ausbaumasse											
Units	mm kg	NX										Net Weight 0,001												
SURFACE PROTECTION SEE GROUP 0344												Made	05.06.2013	csc001	C.Schmutz	Scale	1:40	Size	A1	Page	3/3	Material	ID	PAAD093149
TOLERANCING PRINCIPLE ISO8015												Chkd	05.06.2013	hke002	Kem	Design Group	0812	Drawing ID	DAAD029670	Rev.	C			
GENERAL TOLERANCES ACCORDING TO ISO2768-mK												Appd	05.06.2013	bfr005	Frei									

## WinGD-10X92\_Engine-outline-views

### TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2018-02-26	DRAWING SET	First web upload
2020-07-20	DAAD029670	Revised Dismantling Dimensions drawing has been updated.

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