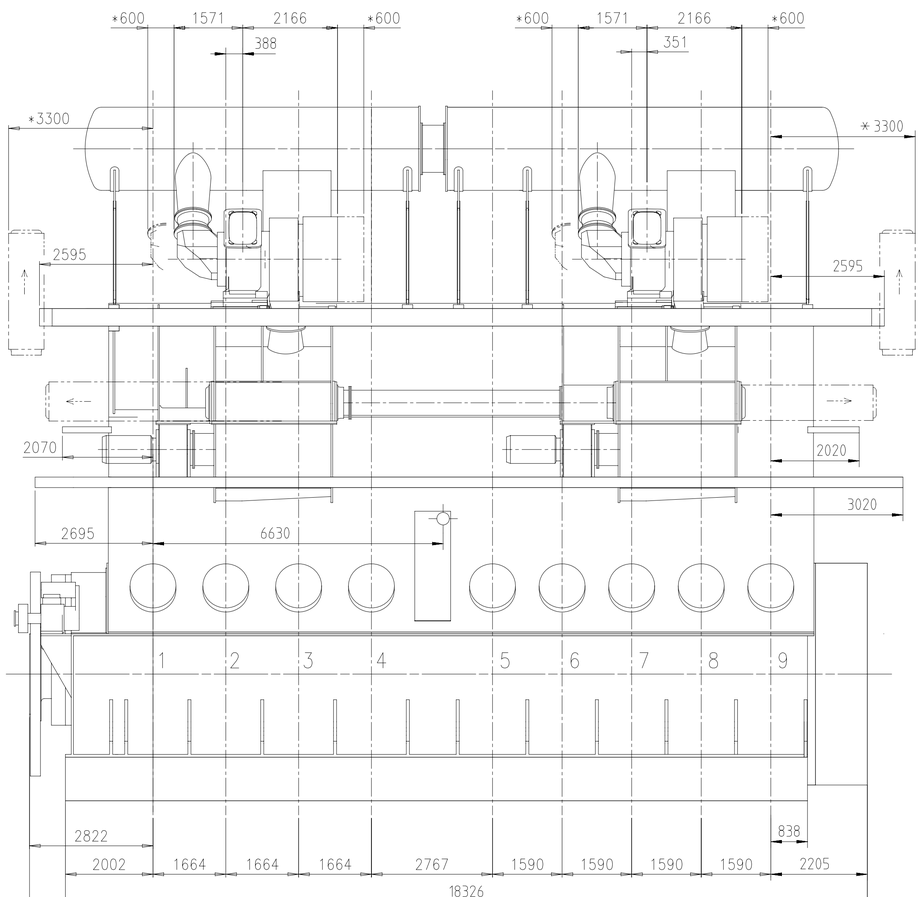
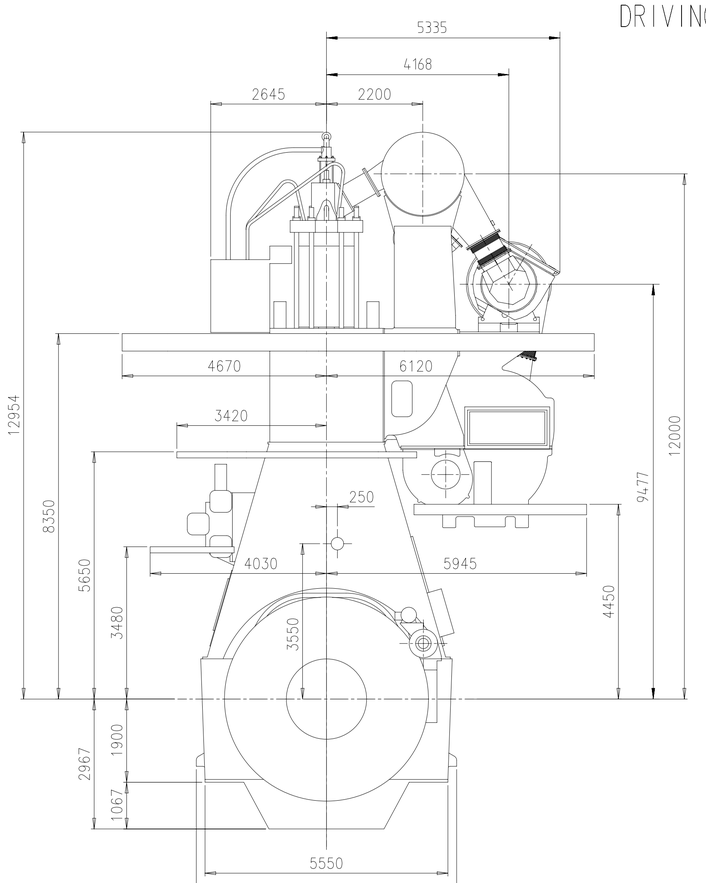
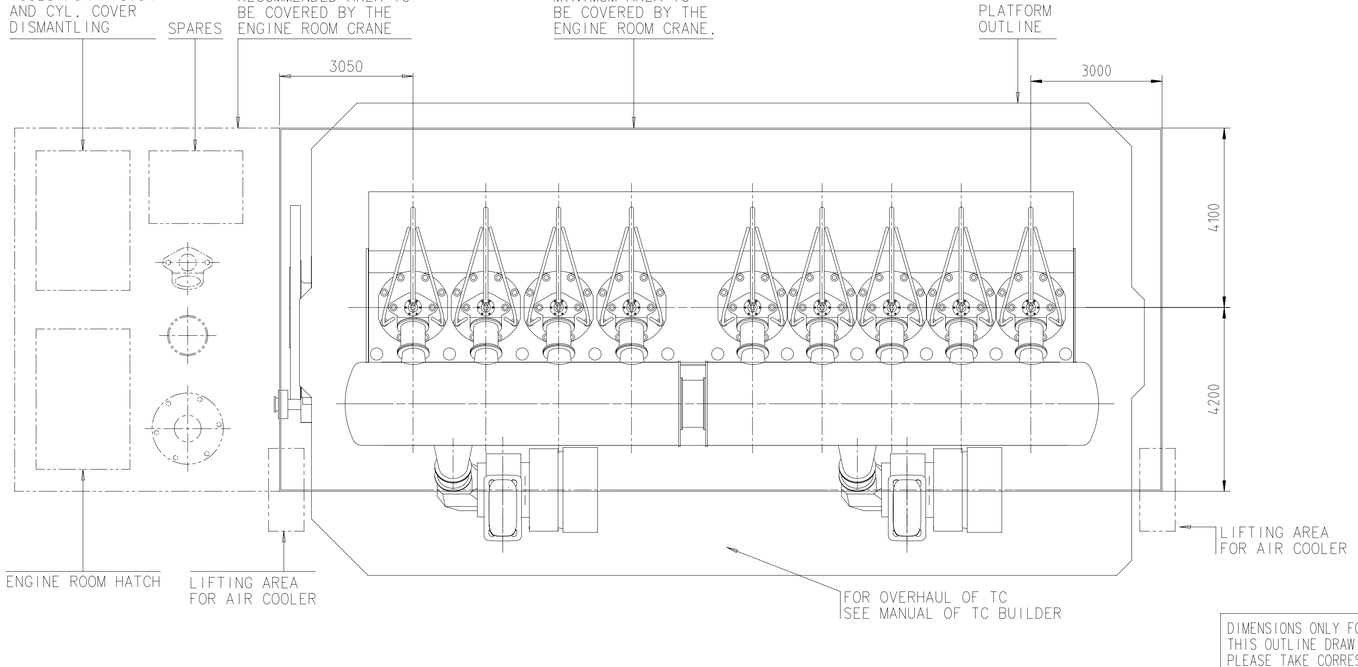
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Abgasseite
EXHAUST SIDE



Antriebseite
DRIVING END





TURBOCHARGER 2xA280-L

Gewicht ohne Wasser und Oel= 1630 t
WEIGHT WITHOUT WATER AND OIL

* = Platz fuer Demontage
SPACE FOR REMOVAL

ca. Schwerpunkt
APPROX. CENTRE OF GRAVITY

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

Net Weight 0,001															
Quantity PER ENGINE	1	SEQ NO 001	Material ID PAAD093149	Material Name DISMANTLING DIMENSIONS			Standard or Drawing DAAD029670				Basic Material Material Standard			Weight GR/NET 0,001	
Free space for lic. PAAD293331											Q-Code XXXXX			Main Drw. H	
Modif. / MaterialID	A	EAAD090978	02.09.2019								Standard ISO; JIS				
		Number	Drawn date	Number	Drawn date		Number	Drawn date		Number	Drawn date				

WIN GD Winterthur Gas & Diesel

Product W9X92

ENGINE OUTLINE VIEW
Motoransichten

Units mm kg	NX		Basic Material					Net Weight	
SURFACE PROTECTION SEE GROUP 0344	Made	25.05.2018	ipa004 II Ho Park	Scale 1:70	Size A1	Page 1/1	Material ID		
TOLERANCING PRINCIPLE ISO8015	Chkd	25.05.2018	hdo002 Dörre	Design Group 0812	Drawing ID DAAD099583			Rev. A	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	28.05.2018	mda006 Dacic						

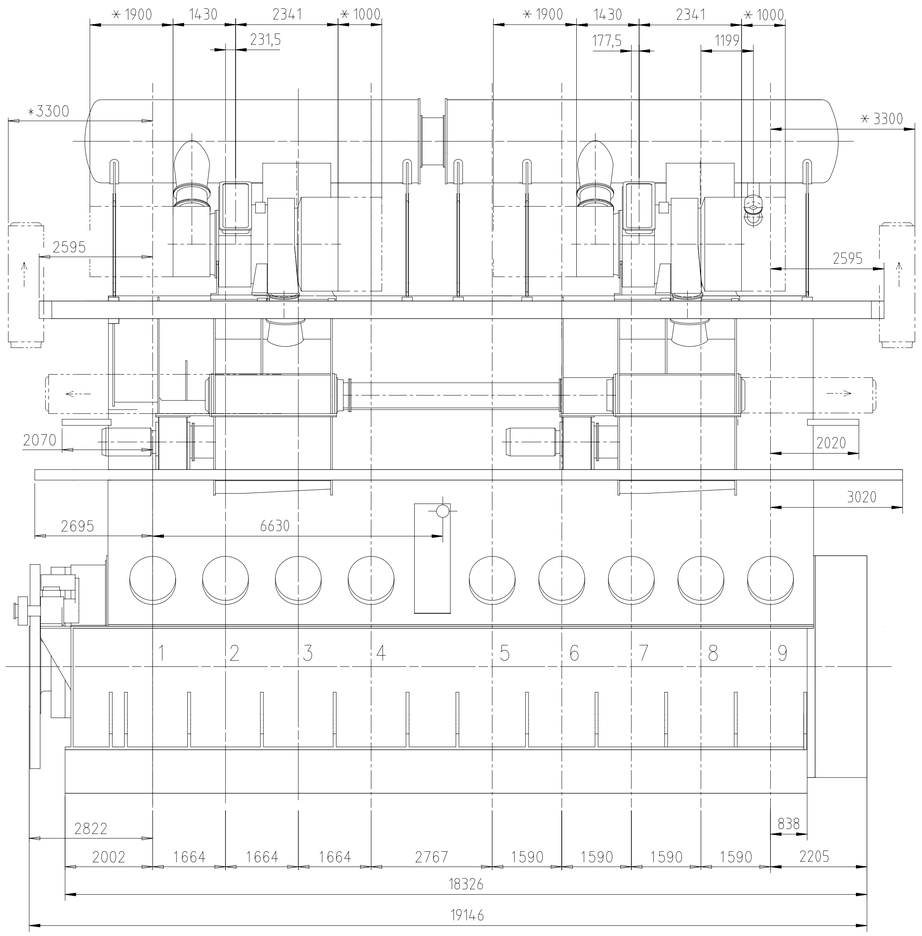
Approved

3D - DIMENSIONAL DRAWING - Confidential

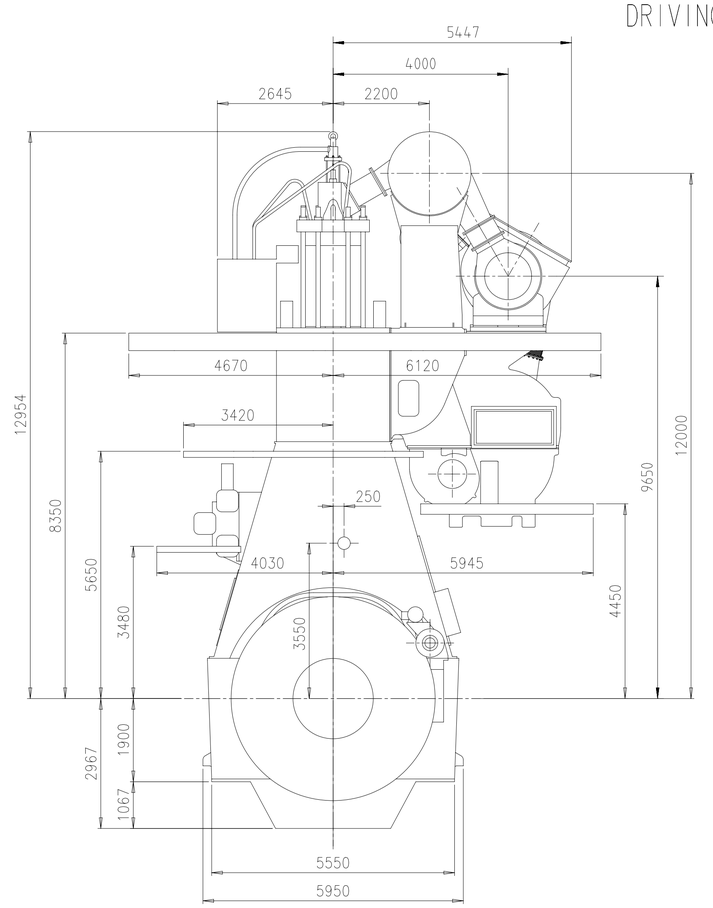
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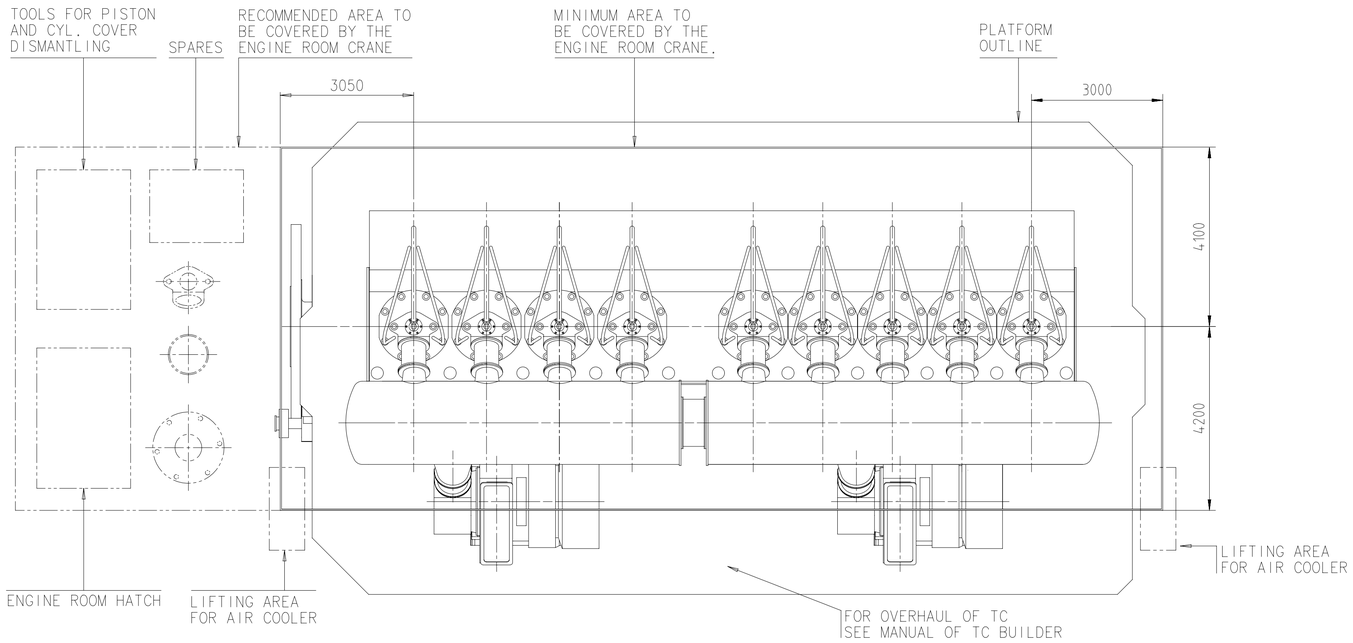
Download "DXF file"

Abgasseite
EXHAUST SIDE



Antriebseite
DRIVING END





TURBOCHARGER 2xMET83MB

Gewicht ohne Wasser und Oel= 1630 t
WEIGHT WITHOUT WATER AND OIL

* = Platz fuer Demontage
SPACE FOR REMOVAL

ca. Schwerpunkt
APPROX. CENTRE OF GRAVITY

Net Weight	Quantity PER ENGINE	SEQ NO	Material ID	Material Name / Dimension, Occ	Standard or Drawing	Basic Material / Material Standard	Weight GR./NET
0,001	1	001	PAAD093149	DISMANTLING DIMENSIONS	DAAD029670		0,001

MaterialID	Modif	Free space for lic	Q-Code	Main Drw.
PAAD294743			XXXXX Standard ISO; JIS	H

Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date

Approved

WIN GD Winterthur Gas & Diesel

Product W9X92

ENGINE OUTLINE VIEW
Motoransichten

Units	mm kg	NX	Basic Material	Net Weight
Made	23.05.2018	ipa004 Il Ho Park	Scale 1:70	Size A1 / Page 1/1 / Material ID
Chkd	25.05.2018	hdo002 Dörre	Design Group 0812	
Appd	28.05.2018	mda006 Dacic	Drawing ID DAAD100434	Rev. –

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PLEASE TAKE CORRESPONDING DESIGN GROUP

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

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3D - DIMENSIONAL DRAWING - Confidential

Zuganker
TIE ROD

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

Gewicht ohne Hebevorrichtung:
WEIGHT WITHOUT LIFTING TOOL:

Ⓒ 5800 kg

Zylindereinsatz mit Wasserleitmantel
CYLINDER LINER WITH WATER GUIDE JACKET

Gewicht ohne Hebevorrichtung:
WEIGHT WITHOUT LIFTING TOOL:

Ⓒ 10250 kg

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

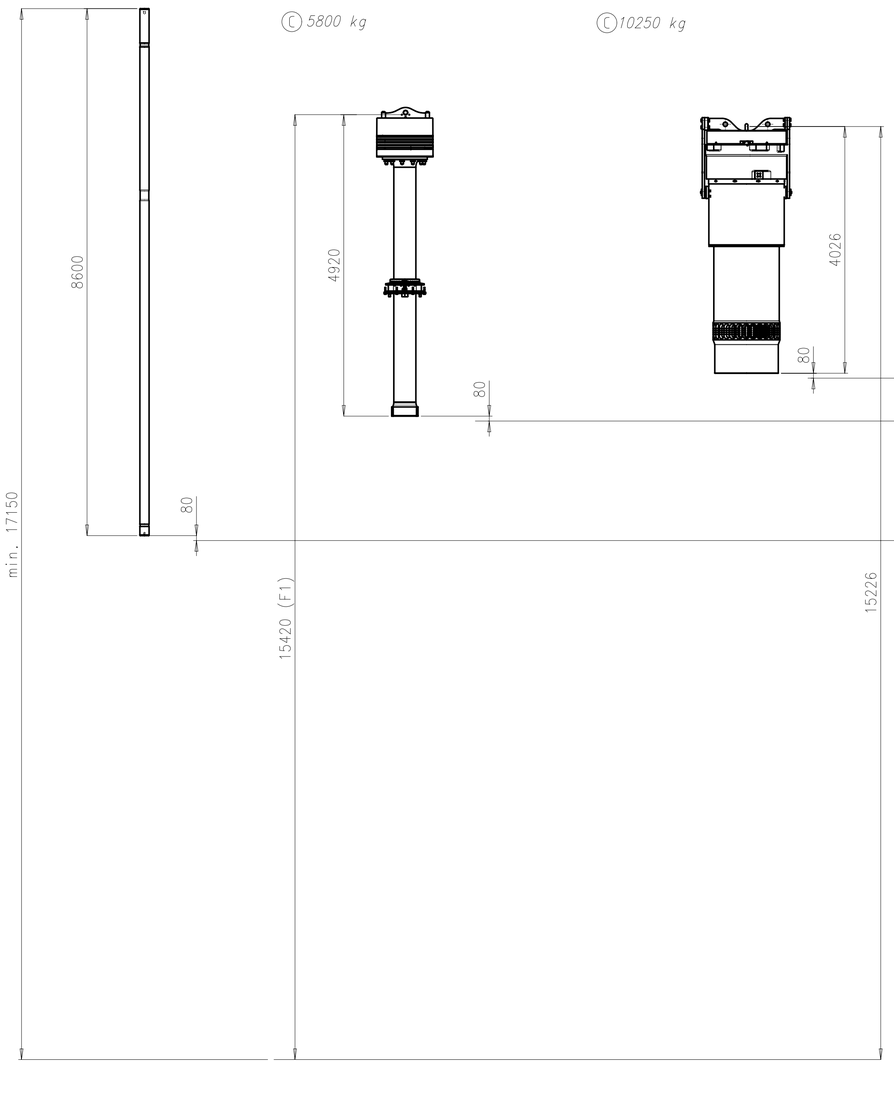
Gewicht:
WEIGHT:

Ⓒ 7335 kg

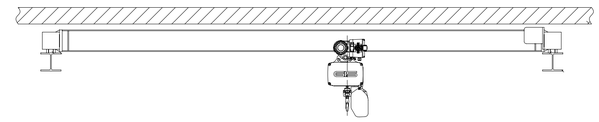
Auslassventil komplett
EXHAUST VALVE COMPLETE

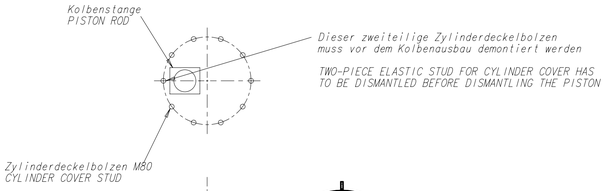
Gewicht:
WEIGHT:

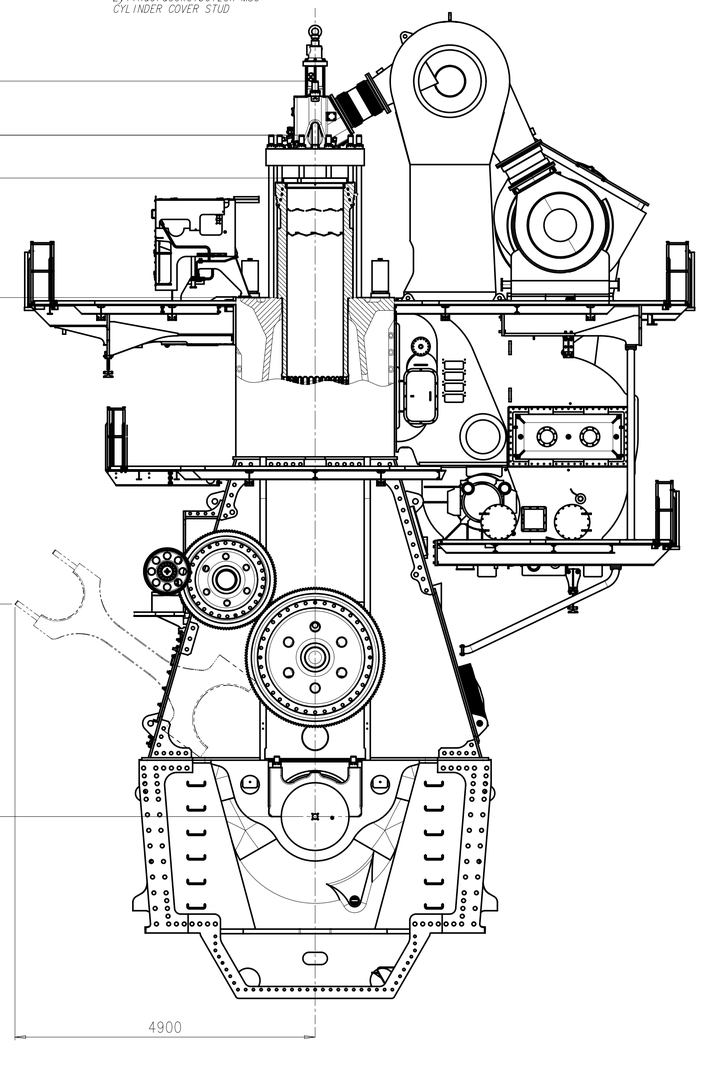
Ⓒ 2195 kg



Krankapazität min.
CRANE CAPACITY MIN. 12300 kg Ⓒ







Kompatibilitätshinweis zum Kranhaken

Die Hebewerkzeuge 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

Approved

Free space for lic									Q-Code XXXXX	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	Number	Drawn date		

WIN GD Winterthur Gas & Diesel

Product X92

DISMANTLING DIMENSIONS

Ausbaumasse

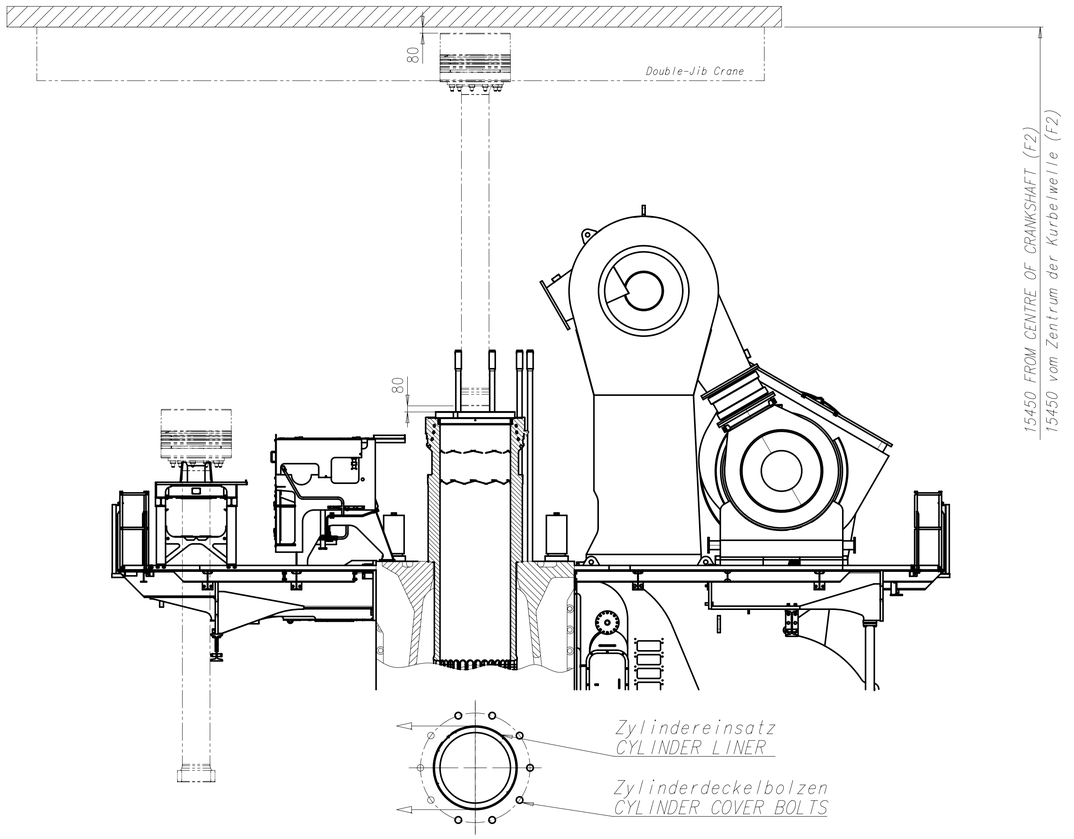
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TOLERANCING PRINCIPLE ISO8015	Chkd	05.06.2013 hke002 Kern	Design Group 0812	Drawing ID DAAD029670 Rev. C
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	05.06.2013 bfr005 Frei		

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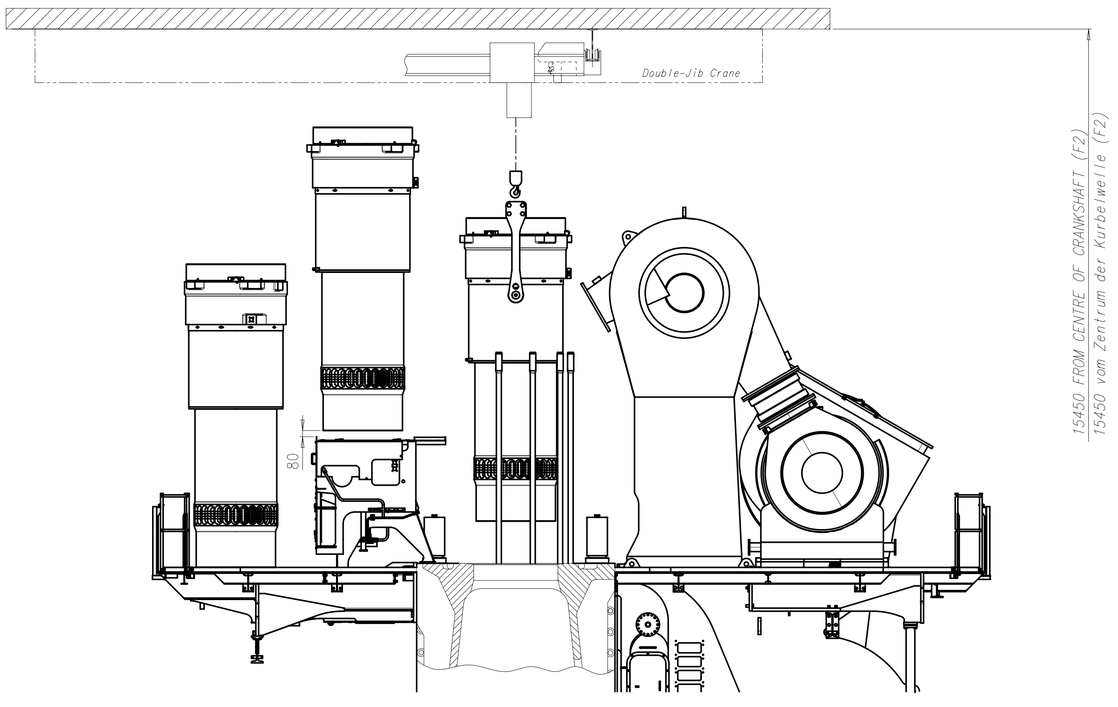
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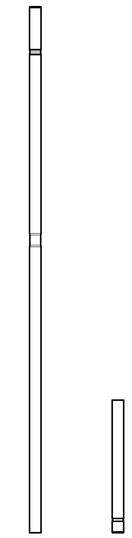
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Kolbenausbau
PISTON DISMANTLING



Ausbau Zylindereinsatz
DISMANTLING OF CYLINDER LINER

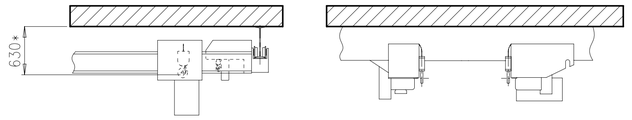


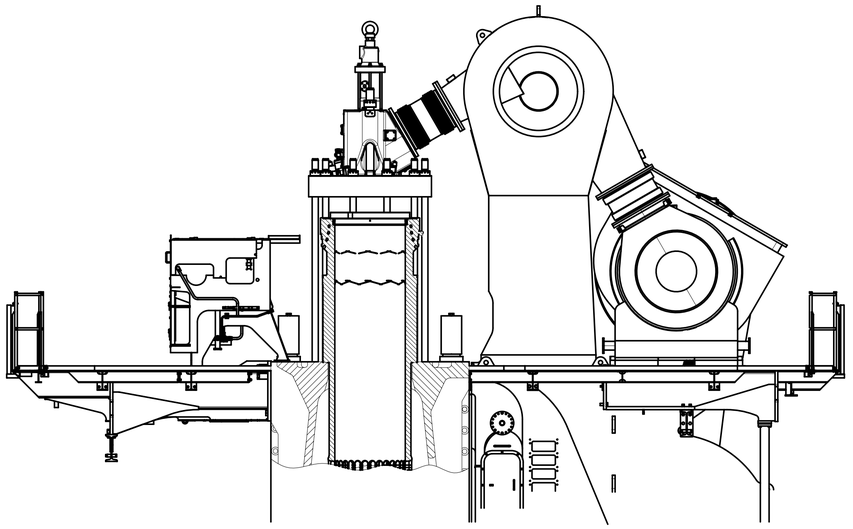


A

DOUBLE-JIB CRANE

A





Voraussetzungen fuer diese Ausbauart

- alle Zylinderdeckel-Dehnbolzen auf der Brennstoffpumpenseite müssen zweiteilig ausgefuehrt werden
- zweiteilige Zuganker im Reparaturfall
- Spezialkran (Double-JIB)
- spezielle Hebewerkzeuge für den Kolben
- spezielle Hebewerkzeuge 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 varriert je nach der ausgewählten Kranausfuehrung

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

Free space for lic.							Q-Code XXXXX		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	Number / Drawn date

WIN GD Winterthur Gas & Diesel

Product X92

DISMANTLING DIMENSIONS

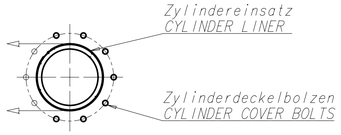
Ausbaumasse

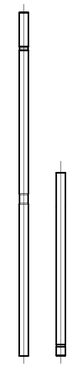
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TOLERANCING PRINCIPLE ISO8015	Chkd	05.06.2013	hke002 Kern	Design Group 0812	Material ID	PAAD093149
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	05.06.2013	bfr005 Frei	Drawing ID	DAAD029670	Rev. C

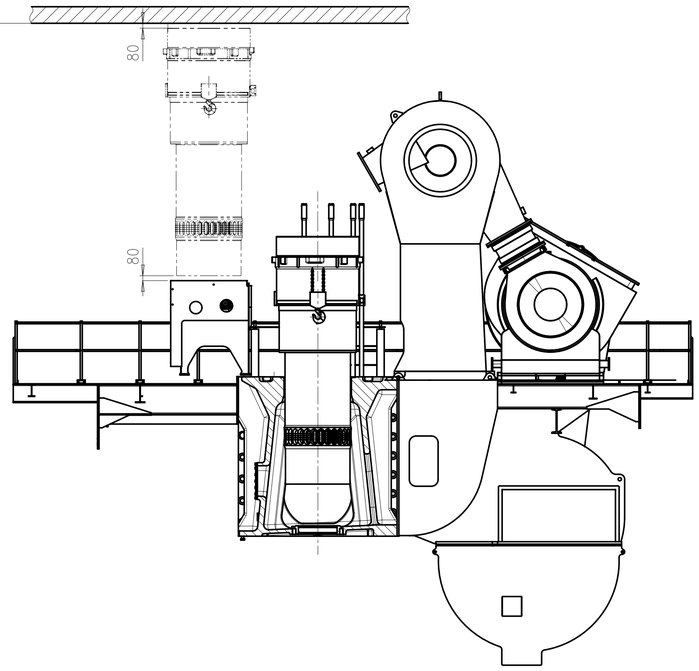
Approved

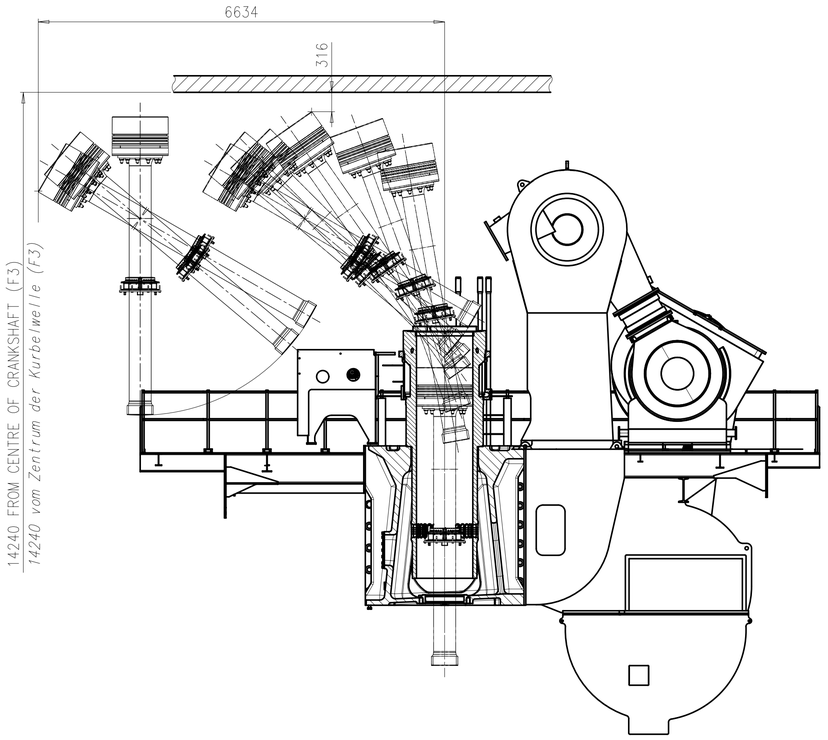
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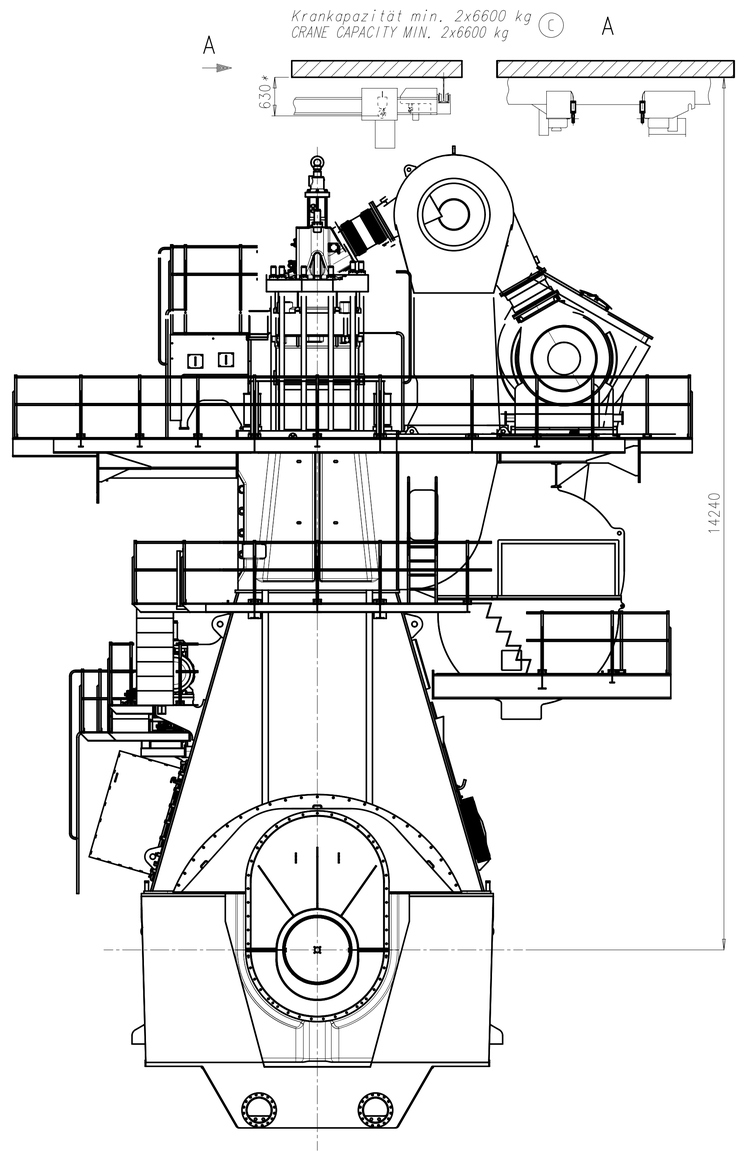
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Voraussetzungen fuer diese Ausbauart

- 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

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Q-Code XXXXX

Main Drw.

Standard ISO; JIS

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
A	EAAD084939	08.11.2013	B EAAD085196	27.05.2014	C EAAD091495	06.04.2020		

WIN GD Winterthur Gas & Diesel

Product X92

DISMANTLING DIMENSIONS

Ausbaumasse

Units mm kg	NX		Basic Material		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
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GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	05.06.2013 bfr005 Frei				

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WinGD-9X92_Engine-outline-views

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2018-08-16	DRAWING SET	First web upload
2019-12-05	DAAD099583	Revised Engine Outline View for Turbocharger type 2xA280-L has been updated.
2020-07-20	DAAD029670	Revised Dismantling Dimensions drawing has been updated.

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