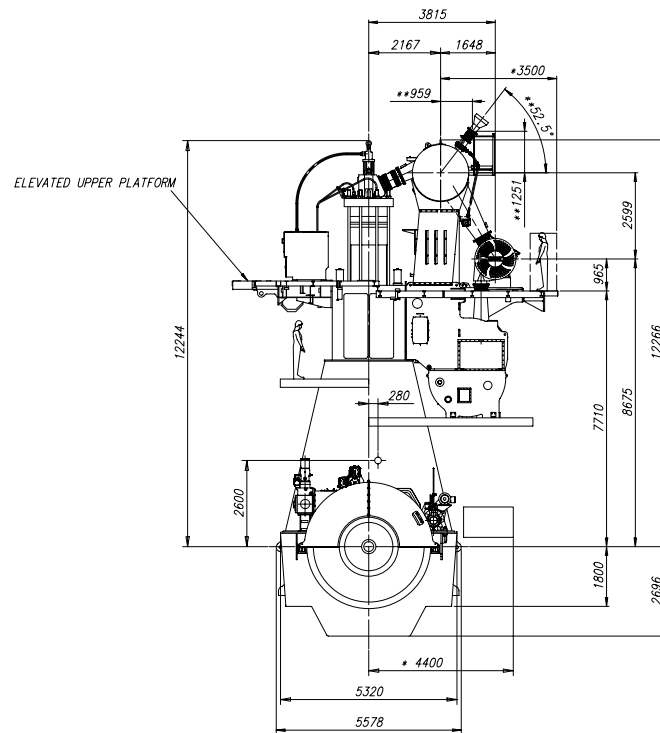
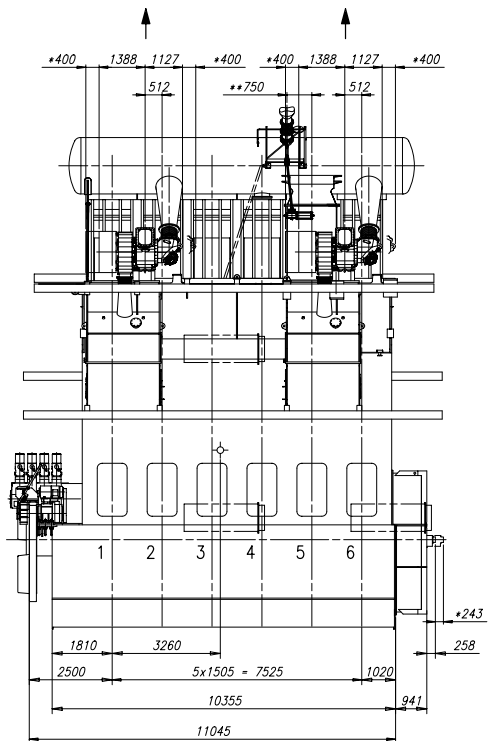


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Abgasseite
EXHAUST SIDE

Antriebsseite
DRIVING END



TOOLS FOR
PISTON AND CYL. COVER
DISMANTLING

SPARES

3075

recommended

minimum

Area to be covered by the engine room crane

3700

1000

LIFTING AREA FOR
SCAVENGE AIR COOLER

ENGINE ROOM
HATCH

LIFTING AREA FOR
SCAVENGE AIR COOLER

PLEASE NOTE:

MAIN STAIRS WITH MORE THAN 4 STEPS ONLY
IN LONGITUDINAL DIRECTION OF THE ENGINE.

 = ca. Schwerpunkt
AB. CENTRE OF GRAVITY

Gewicht ohne Wasser und Öl = 805 t
WEIGHT WITHOUT WATER AND OIL

TURBOCHARGER: 2x A265-L (A)

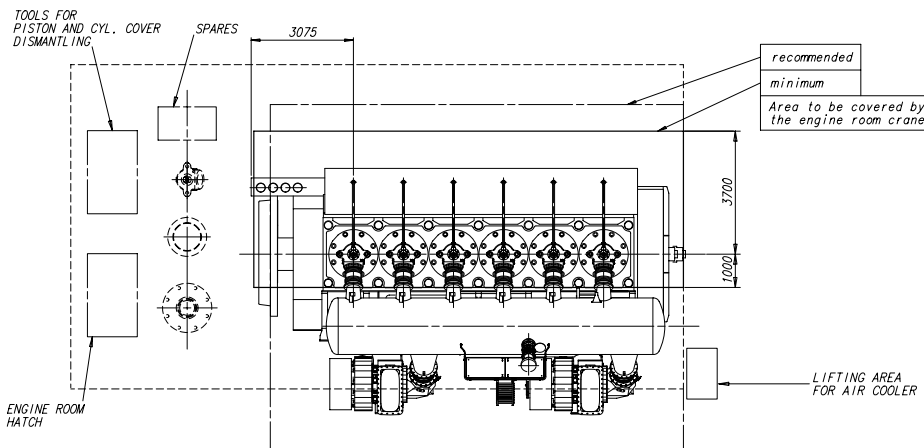
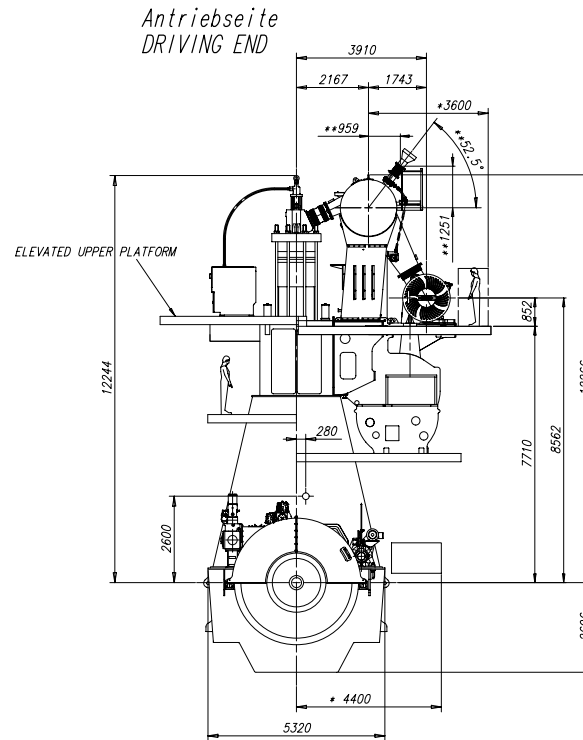
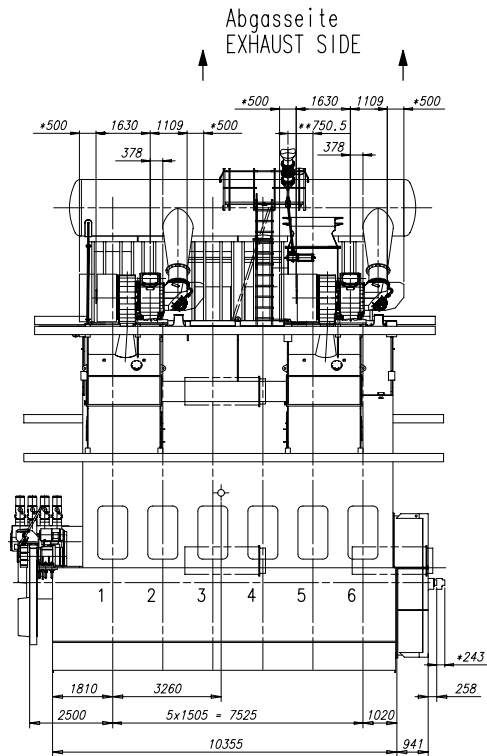
Elevated upper platform FPS

* Platz fuer Demontage
SPACE FOR REMOVAL

** WITH EXHAUST WASTE GATE FOR
LLT (OPTIONAL). DESIGNED FOR ANGLE 52,5°

[illegible]

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PLEASE NOTE:

MAIN STAIRS WITH MORE THAN 4 STEPS ONLY
IN LONGITUDINAL DIRECTION OF THE ENGINE.

 = ca. Schwerpunkt
AB. CENTRE OF GRAVITY

Gewicht ohne Wasser und Oel = 805 t
WEIGHT WITHOUT WATER AND OIL

TURBOCHARGER: 2x A270-L (A)

Elevated upper platform FPS

- * Platz fuer Demontage
SPACE FOR REMOVAL
- ** WITH EXHAUST WASTE GATE
FOR LLT (OPTIONAL)
Winkel kann zwischen 40°-70° gewählt werden
je nach Angaben der Werft (gezeichnet für 52,5°)
ANGLE CAN BE CHOSEN FROM 40°-70° ACCORDING
TO SHIPYARD RECOMMENDATION (DRAWN FOR 52.5°)

Net Weight										0.001
Quantity PER ENGINE	1	002	PAAD120401	PLATFORM ARRANGEMENT PLAN			DAAD037471		0.001	
	1	001	107.404.311.500	DISMANTLING DIMENSIONS			107.404.311		0.001	
	Material ID		Material Name		Dimension/Occ.Dimension		Standard or Drawing	Basic Material Material Standard	Weight ID	
	ISO 9001									
	Free space for I.C.						G-Code	XXXXXX	Meln Drw.	
							Standards	IJS ISO	H	
	Serial		EAD0804540 09.04.2013		EA08085139 26.03.2014					
Material ID		Number		Drawn date		Number		Drawn date		
		Product W6X82								
				ENGINE OUTLINE VIEW						
				Motorsichten						
				Basic Material				Net Weight		
Units mm kg		IDE		Scale 1:75		Size A1 Page 1/1		Material		
Made 19.03.2013 szux01 Zuerren		Check 11.04.2013 hri004 Riser		Design Group		Drawing ID		Rev.		
Repeal 27.03.2014 bha009 Haag				0812		DAAD037470		A		
ING TO 1502768-e6										

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

Zylindereinsatz mit Wasserleitmantel
CYLINDER LINER WITH WATER GUID JACKET

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

Auslassventil komplett
EXHAUS VALVE COMPLETE

(F) (E) Gewicht ohne Hebwerkzeug: 4160 kg
WEIGHT WITHOUT LIFTING TOOL:

(F) (E) Gewicht ohne Hebwerkzeug: 8080 kg
WEIGHT WITHOUT LIFTING TOOL:

(F) (E) Gewicht ohne Hebwerkzeug: 5335 kg
WEIGHT WITHOUT LIFTING TOOL:

(F) (E) Gewicht ohne Hebwerkzeug: 1420 kg
WEIGHT WITHOUT LIFTING TOOL:

(F)(E) Krankapazität min. 9450 kg
CRANE CAPACITY MIN.

⑥ Kompatibilitäts Hinweis zum Kranhaken

Die Hebwerkzeuge 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 Hoehe fuer den vertikalen Ausbau: F1

STANDARD DISMANTLING
MIN. HEIGHT FOR VERTICAL REMOVAL: F1

Free issue																G-Code	XXXXXX		Man										
																ISO 4217	Standard												
																ISD; JIS													
Prod.	C	E	AAD08	4473	29	01	013	D	E	AAD08	4738	07	08	2013	F	E	AAD08	4896	24	10	2013	F	E	AAD08	4959	22	04	2020	
	Material	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
	Product W-82															DISMANTLING DIMENSIONS													
 Winfurter Gar & Diesel															Ausbaumasse														
Units	mm	kg	NX		 		Basic Material		Scale	1:25	Size	A0	Page	1/3	Material	107.40.311.500	Net weight 0,001												
Appr.	29.08.2013	Ine001		Neuenschanz		Bottle		1:25	Size	A0	Page	1/3	Material	107.40.311.500	107.40.311.500		Rev. F												
nk	09.08.2008	BHA009		Haag		0812		Drawing B		107.40.311		107.40.311		Rev. F															

Approved

3D - DIMENSIONAL DRAWING - Confidential

Kolben mit Stange komplett 4160 kg (F)
und Stopfbuechse
PISTON WITH ROD COMPLETE
AND GLAND BOX

Zylindereinsatz und Wasserleitmantel 8080 kg (F)
CYLINDER LINER AND WATER GUID JACKET

Zylinderdeckel mit Auslassventil 5335 kg (F)
komplett und Wasserleitmantel
CYLINDER COVER WITH EXHAUST
VALVE COMPLETE AND WATER
GUIDE JACKET

Auslassventil komplett 1420 kg (F)
EXHAUS VALVE COMPLETE

Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

Gewicht ohne Hebwerkzeug:
WEIGHT WITHOUT LIFTING TOOL:

(E) (F)
CRANE CAPACITY MIN. 2x5375 kg

Dehnbolzen-Oberteil entfernen
REMOVE ELASTIC BOLT UPPER HALF

Dehnbolzen-Oberteil entfernen
REMOVE ELASTIC BOLT UPPER HALF

(F) Standardausbau mit
Double-Jib Kran
Minimale Hoehe fuer den vertikalen
Ausbau mit dem Double-Jib Kran: F2

Die Distanz von der obersten
Hakenposition bis zur
Decke variiert je nach der
ausgewaehlten 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.

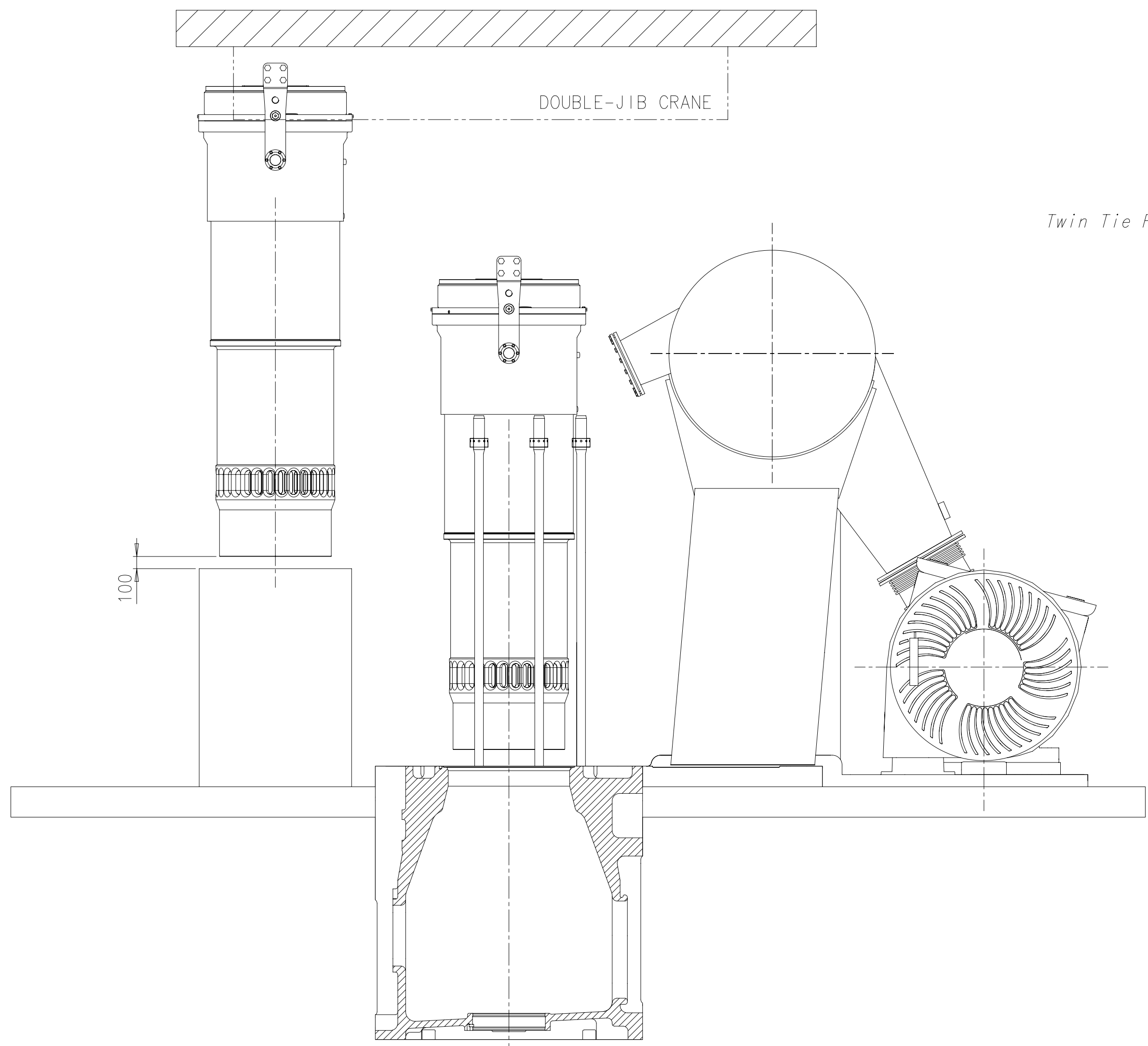
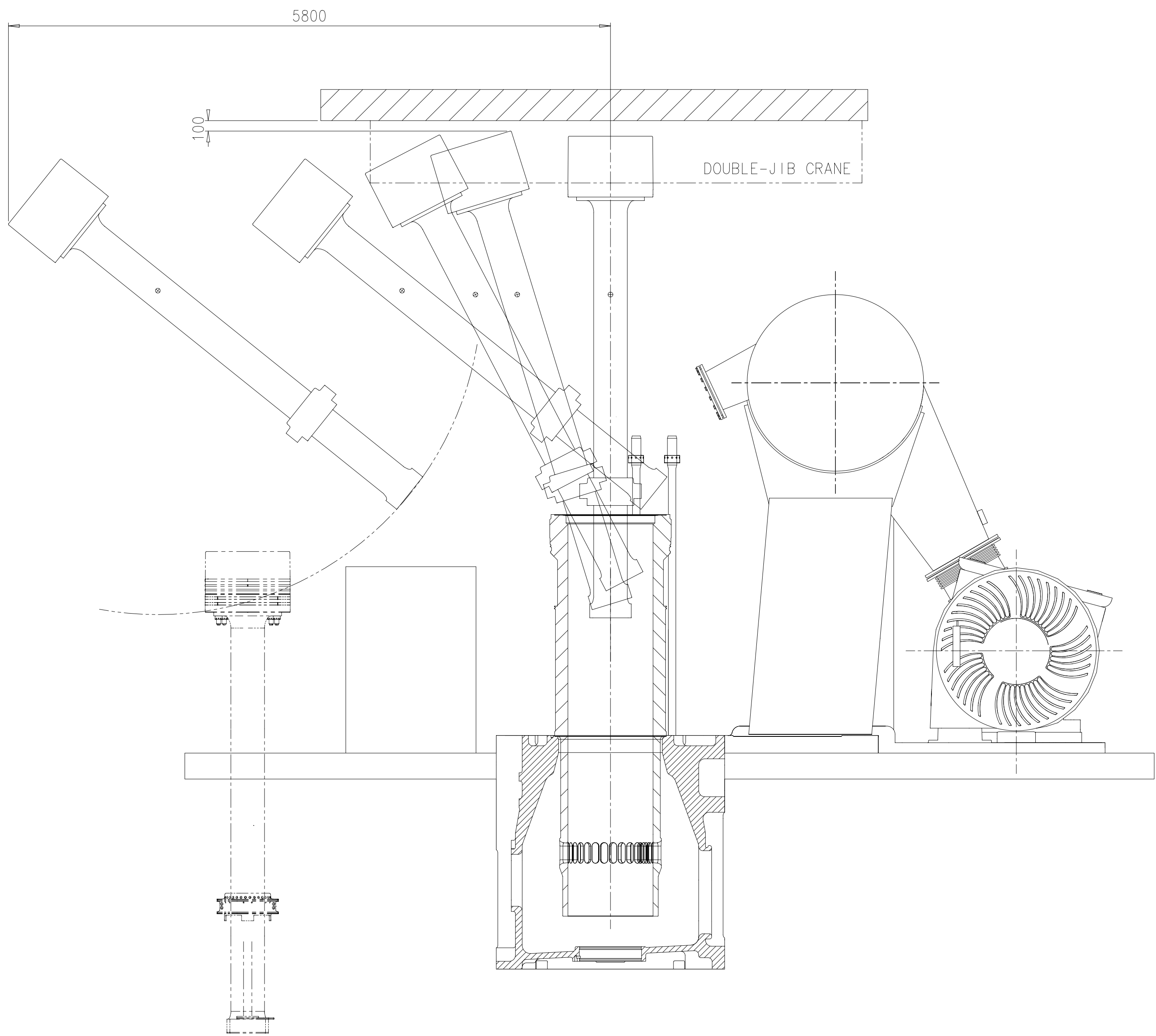
Voraussetzungen fuer diese Art von Ausbau!

- (D) - Pro Zylinder 2 zweiteilige Zylinderdeckel-Dehnbolzen auf der Brennstoffpumpenseite.
- Spezialwerkzeuge
- Spezialkran (DOUBLE JIB), von Fuchs Foerdertechnik AG, 22113 Osteinbek, Deutschland (www.fuchs-ag.de)
- Mindesttragkraft pro Haken 6,5 Tonnen, Hakenabstand 1385mm.
- (E) - zweiteilige Zuganker

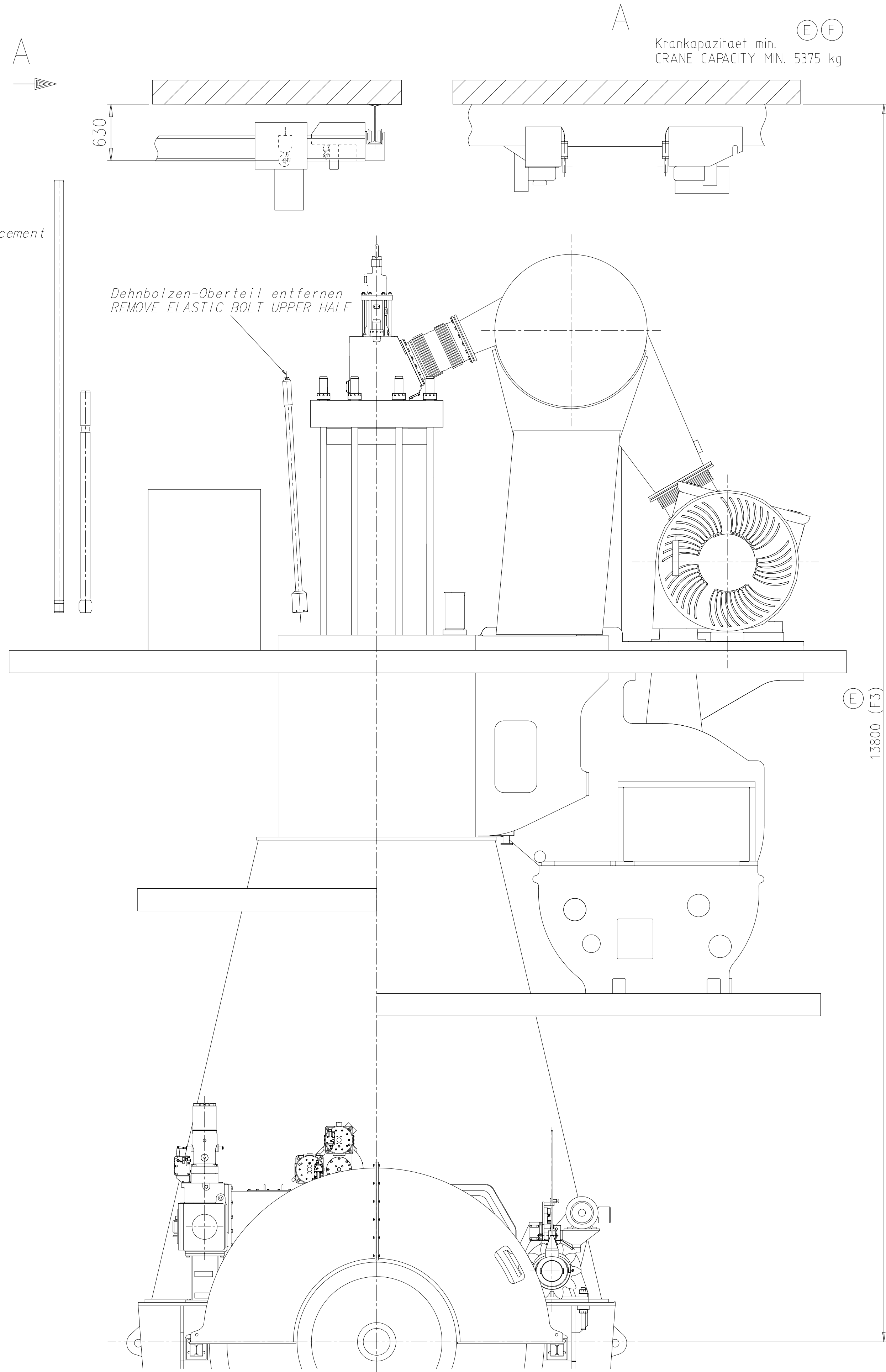
REQUIREMENTS FOR THIS METHOD OF REMOVAL!

- (D) - PER CYLINDER 2 TWO PIECE ELASTIC STUDS FOR CYLINDER COVER ON FUEL SIDE.
- SPECIAL TOOLS
- SPECIAL CRANE (DOUBLE JIB), BY FUCHS FOERDERTECHNIK AG, 22113 OSTEINBEK, GERMANY (www.fuchs-ag.de)
- (E) - TWIN TIE-ROD

Free space for file						B-Code XXXXXX Standard ISO/JIS		Plan Draw.
Werkst. Number	C EAAD0842329 01.2013		Product Number	D EAAD0847380 07.08.2013		E EAAD0848960 24.10.2013	F EAAD0916095 22.04.2020	
Number		Drawn date	Number		Drawn date	Number	Drawn date	
Product W-82				DISMANTLING DIMENSIONS				
 Winterthur Gas & Diesel				Ausbaumasse				
Units	mm kg		NX	Basic Material		Net weight		
Made	23.01.2013		1ne01	Neuenschwander		Scale 1:25		
Chd				Design Group		Size A0	Page 2/3	
Aspt	29.08.2008		BHA009	Hagq		Material Ø	107.404.311.500	
				0812		Drawing	107.404.311	
						Rev.	F	



Twin Tie Rod for replacement
Zuganker
TIE ROD



1. Disassembly of exhaust valve cage, cylinder cover and upper water guide jacket
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. Put the pins for liner lifting tool 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

Voraussetzungen fuer diese Art von Ausbau!

- Pro Zylinder 2 zweiteilige Zylinderdeckel-Dehnbolzen auf der Brennstoffpumpenseite.
- Spezialwerkzeuge
- Spezialkran (DOUBLE JIB), von FUCHS FOERDERTECHNIK AG, 22113 OSTEINBEK, Deutschland (www.fuchs-ag.de)
- Mindesttragkraft pro Haken 6,5 Tonnen, Hakenabstand 1385mm.

(E) zweiteilige Zuganker

REQUIREMENTS FOR THIS METHOD OF REMOVAL!

- PER CYLINDER 2 TWO PIECE ELASTIC STUDS FOR CYLINDER COVER ON FUEL SIDE.
- SPECIAL TOOLS
- SPECIAL CRANE (DOUBLE JIB), BY FUCHS FOERDERTECHNIK AG, 22113 OSTEINBEK, GERMANY (www.fuchs-ag.de)
- MINIMUM LIFTING CAPACITY PER HOOK 6.5 TONS, HOOK DISTANCE 1385MM.

(E) TWIN TIE-ROD

Ⓢ Standardausbau mit Double-Jib Kran


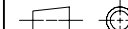
Minimale Hoehe fuer den gekippten Ausbau mit dem Double-Jib Kran: F3
Die Distanz von den obersten Hakenposition bis zur Decke variiert je nach der ausgewählten Kranausfuehrung

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 dwg.		B-Code XXXXXX Standard ISO/JIS				Main Dwg.						
Modif.	C	EAAAD08423	29.01.2013	D	EAAAD084738	07.08.2013	E	EAAAD08489	24.10.2013	F	EAAAD091495	22.04.2020
Number		Drawn date		Number		Drawn date		Number		Drawn date		
Product W-82				DISMANTLING DIMENSIONS								
 Winterthur Gas & Diesel				Ausbaumasse								
Units	mm	kg	NX			Basic Material		Net weight		0,001		
Material of line001 Neuenstädter				Scale 1:25		Size A0		Page 3/3		Material 107.404.311.500		
Design Group				0812		Drawing 0		107.404.311		Rev. F		
Chgd		29.08.2008		BHA009 Haas								

SURFACE PROTECTION SEE GROUP 03L4
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mK

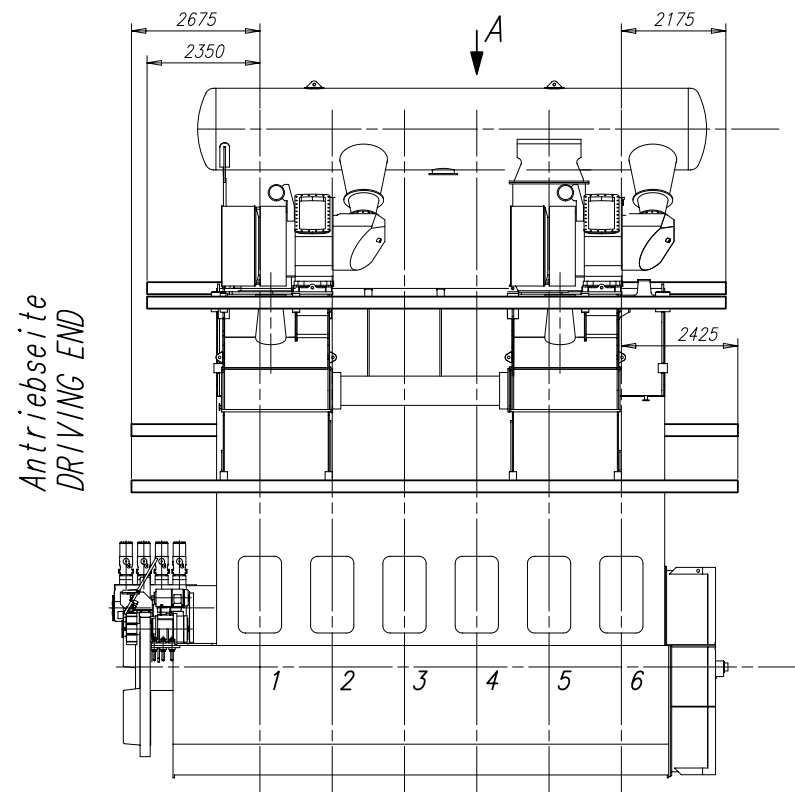
29.08.2008
BHA009
Hagq

0812

107.404.311.500

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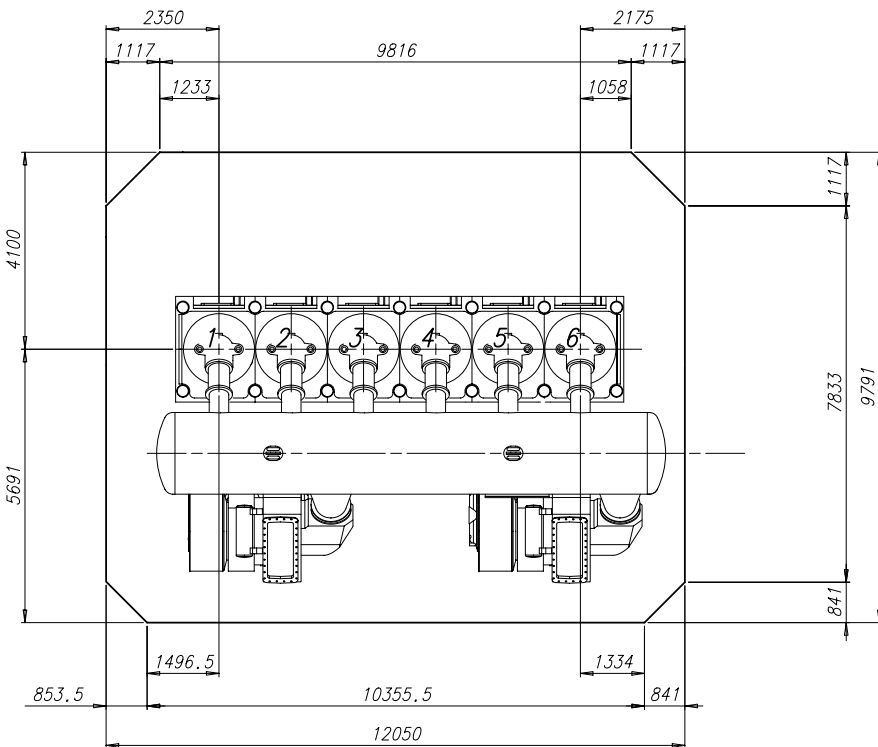
Abgasseite
EXHAUST SIDE



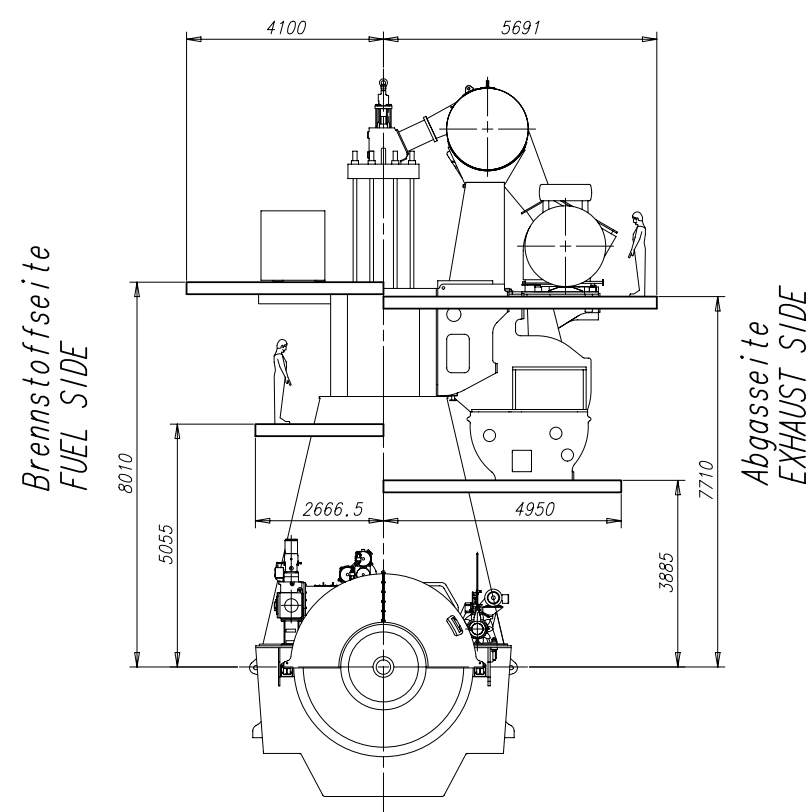
Antriebsseite
DRIVING END

Freies Ende
FREE END

A Obere Galerie
UPPER PLATFORM



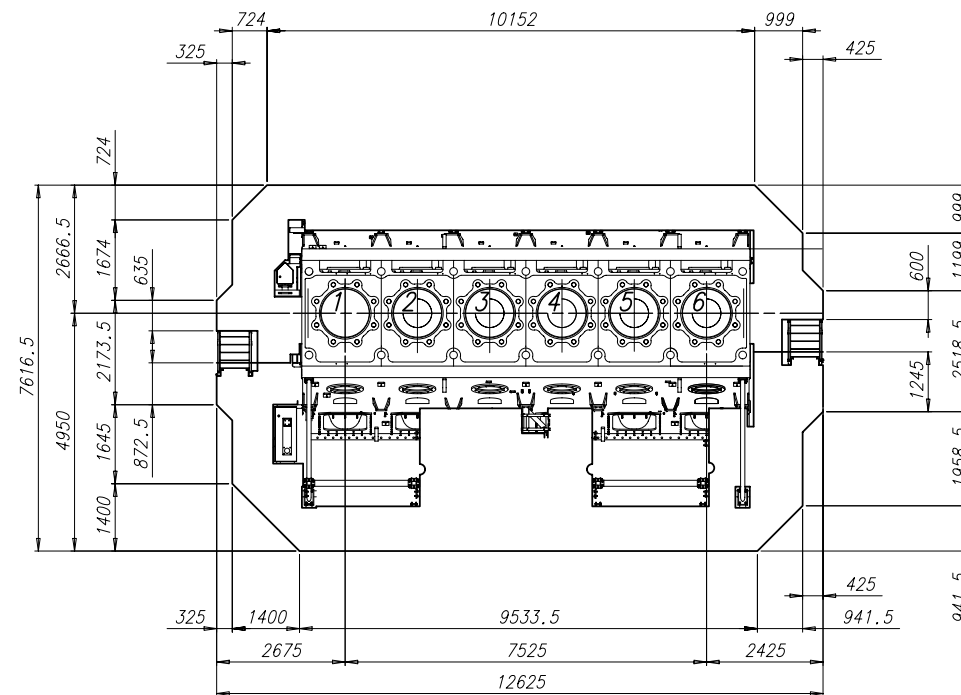
Antriebsseite
DRIVING END



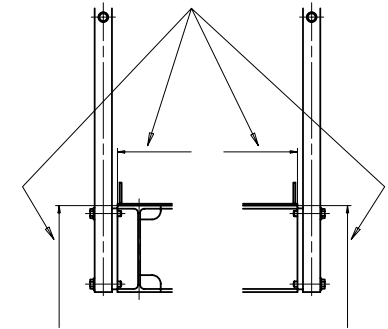
Brennstoffseite
FUEL SIDE

Abgasseite
EXHAUST SIDE

A Untere Galerie
LOWER PLATFORM



Die angegebenen Masse beziehen sich immer auf das Ende und die Oberkante der Galerie.
Nicht berücksichtigt ist das Bodenblech und die Gelaenderstaebe und deren Befestigung.
IN EACH CASE THE MEASURES GIVEN REFER TO THE END AND TOP EDGE OF THE PLATFORM.
THE BOTTOM PLATE AND THE RAILING STICKS AND THEIR MOUNTING ARE UNACCOUNTED FOR.



Elevated upper platform FPS
TURBOCHARGER: 2xA270
2xA175
2xA275

gezeichnet fuer Turbolader A175
DRAWN FOR TURBOCHARGER

WÄRTSILÄ		Product W-2S		Platform Arrangement Plan		Galerie Anordnungsplan	
Units	mm kg	IDE	Basic Material	Net Weight	0.001	PAAD120401	
Surface Protection	SEE GROUP 0344	Mode	19.03.2013 szux01 Zuerrer	Scale	1:75	Size	A1
Tolerancing Principle	ISO8015	Chkd	11.04.2013 hr1004 Riser	Design Group	0812	Page	1/1
General Tolerances	ACCORDING TO ISO2768-mK	Appd	12.04.2013 bha009 Hoag	Drawing ID	DAAD037471	Rev.	-

WinGD-6X82-B _Engine-outline-views

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2018-02-26	DRAWING SET	First web upload
2020-07-16	107.404.311	Revised Dismantling Dimensions drawing has been updated.

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