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F

SURFACE PROTECTION SEE GROUP 03/44

TOLERANCING PRINCIPLE ISO8015

Available executions

Execution No.	Material ID	Attributte 1: Emission class (Tier)			
		Tier II without SCR	Tier III HP-SCR on-engine	Tier III HP-SCR off-engine	Tier III LP-SCR off-engine
001	PAAD373897	X		X	X
002	PAAD373899		X		

NOTE

The above executions can be configured using the Engine Configurator.
Detailed guidance for the executions is provided within the Marine Installation Manual (MIM). If a specific execution of interest is not shown in the above table, then it may still be under development or not available. For further information or in case of a project-specific request, WinGD must be contacted directly.

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Prod.	X62-S2.0									
Change History										
	-	sna102	dst009	27.04.2023	CNAA003657	new Design			-	-
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E	C
<div><div>WIN GD</div><div>Winterthur Gas & Diesel</div></div>					AIR SUPPLY SYSTEM MIDS master drawing					
separate BOM available					Dimension					
Scale	-		NX	Units [mm] [kg]		Basic Material		Net Weight 0.001		
Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of Winterthur Gas & Diesel Ltd.					Main Design		Design Group 9725	Q-Code XXXXX	Standard WDS	
					Qty per		A4	Item ID PTAA026099	Drawing Page/s	1/1

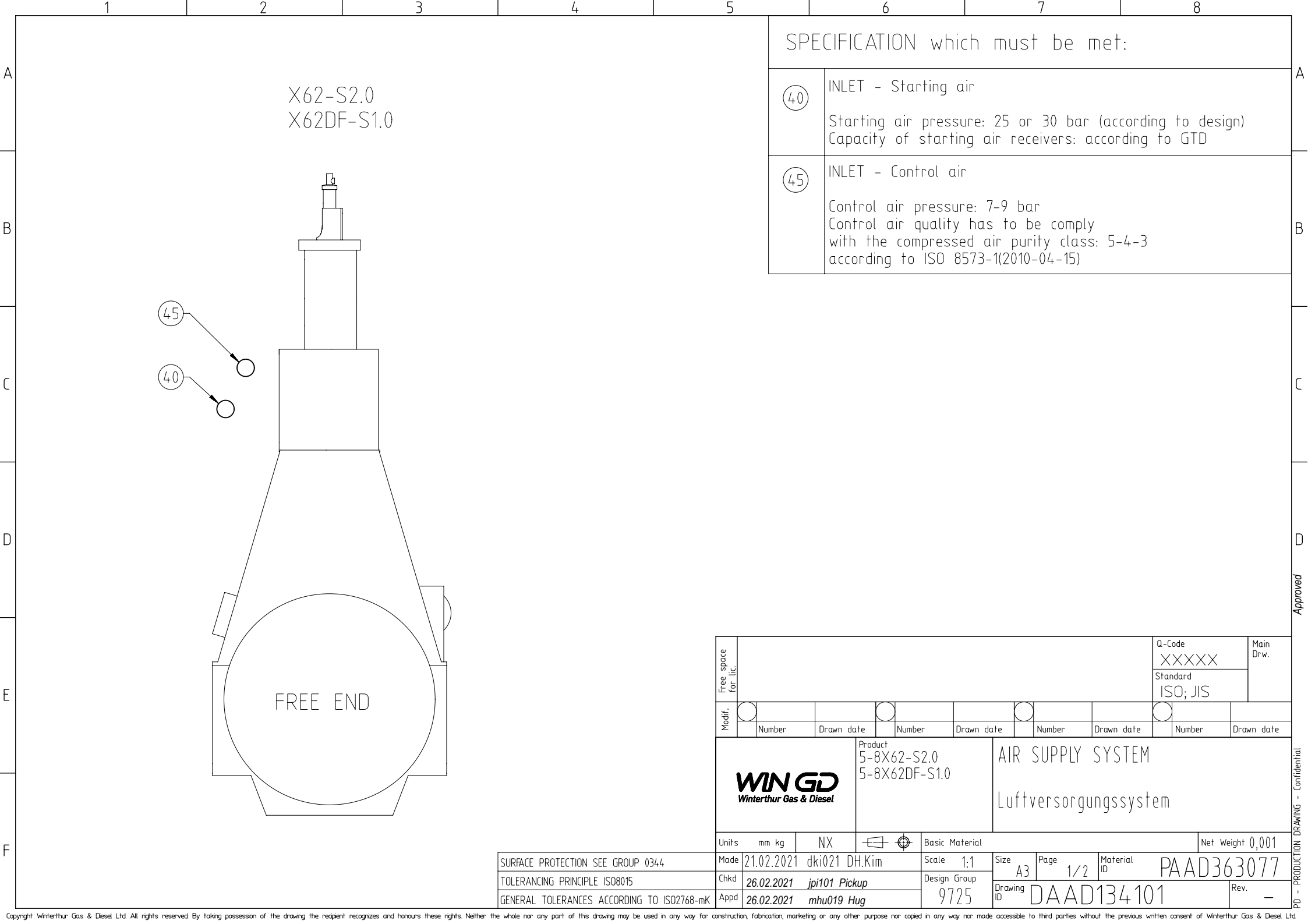
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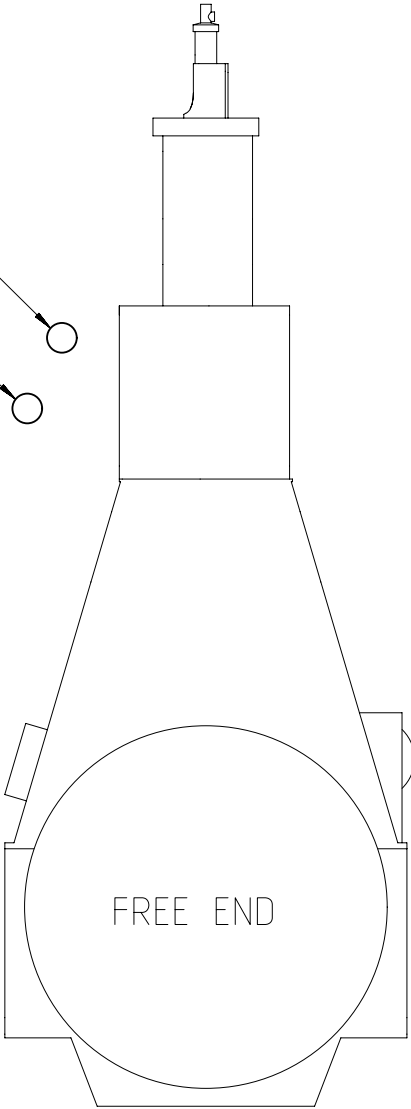
4

SEQ NO	QTY	Item ID	Item Name			Dimension	Standard-ID	Basic Material	Net Weight					
1	1	PAAD363077	AIR SUPPLY SYSTEM						0.001					
Prod.	5,6,7,8 X62-S2.0													
Change History														
	-	dki021	mhu019	26.02.2021	EAAD787120	-			-	-				
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis			Activity Code	E C				
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>				STARTING AIR SYSTEM										
Bill Of Material				Dimension										
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				Main Design		Yes		Design Group		9725	Q-Code	XXXXX	Standard	WDS
				Qty per		Engine		A4	Item ID	PAAD373897		BOM Page/s	01/01	



X62-S2.0
X62DF-S1.0


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40



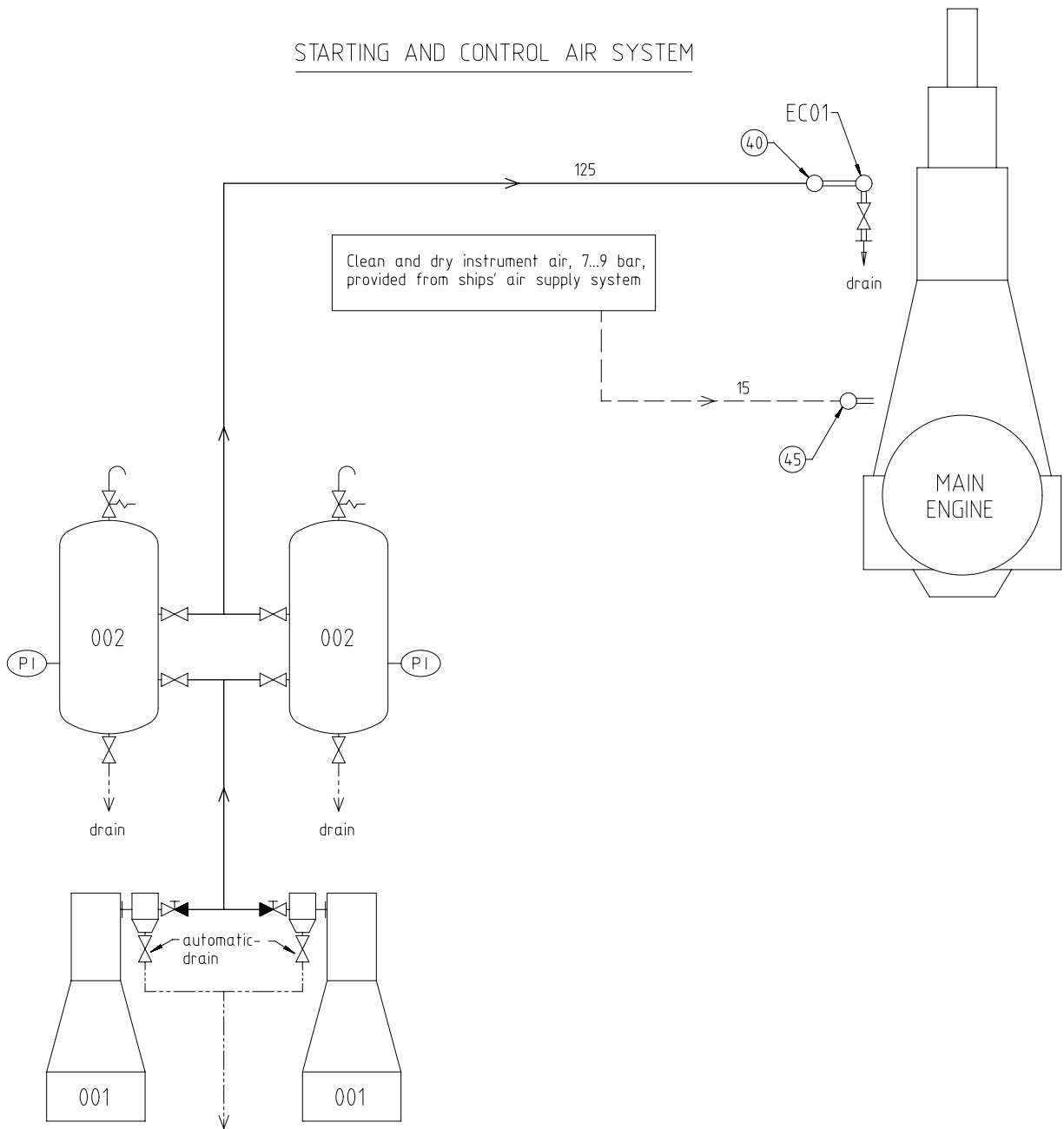
FREE END

SPECIFICATION which must be met:

- ④0 INLET - Starting air
- Starting air pressure: 25 or 30 bar (according to design)
Capacity of starting air receivers: according to GTD
- ④5 INLET - Control air
- Control air pressure: 7-9 bar
Control air quality has to be comply
with the compressed air purity class: 5-4-3
according to ISO 8573-1(2010-04-15)

Free space for lic.								Q-Code XXXXXX	Main Drw.	
								Standard ISO; JIS		
Modif.	<input type="radio"/>		<input type="radio"/>		<input type="radio"/>		<input type="radio"/>			
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date		
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>			Product 5-8X62-S2.0 5-8X62DF-S1.0		AIR SUPPLY SYSTEM					
					Luftversorgungssystem					
Units	mm kg	NX		Basic Material					Net Weight 0,001	
Made	21.02.2021	dk1021 DH.Kim	Scale	1:1	Size	A3	Page	1/2	Material ID	PAAD363077
Chkd	26.02.2021	jpi101 Pickup	Design Group 9725		Drawing ID	DAAD134101			Rev.	—
Appd	26.02.2021	mhu019 Hug								

STARTING AND CONTROL AIR SYSTEM



Pos.	System Components *1)
001	Starting air compressor 25/30 bar (capacity according to GTD)
002	Starting air receiver 25/30 bar (capacity according to GTD)

Pos.	Engine Connections *2)
(40)	INLET - Starting air
(45)	INLET - Control air (for control system and air spring)

Pos.	Engine Components *3)
EC01	Distribution pipe with automatic starting air shut-off valve

Remarks:

- Drain plugs and drain cocks to be installed where necessary.
- Pipe diameters for starting air compressors and auxiliary equipment according to suppliers recommendations.
- *1) Refer to the "Pipe Connection Plan" for the execution and location of the engine pipe connections.
- *2) To be delivered by external supplier and to be installed by the shipyard.
- *3) To be delivered by the engine builder. i.e. already equipped on engine side.







- Starting air feed pipes
- - - Control air pipes
- Ancillary equipment pipes
- - - - - Drain pipes
- ==== Pipes on engine
- Pipe connections

Free space for lic.	Q-Code XXXXXX Standard ISO; JIS				Main Drw.				
	Modif.	Number	Drawn date	Number		Drawn date	Number	Drawn date	Number
WIN GD Winterthur Gas & Diesel		Product 5-8X62-S2.0 5-8X62DF-S1.0		AIR SUPPLY SYSTEM Luftversorgungssystem		Net Weight 0,001			
Units mm kg NX		Scale 1:1		Size A2 Page 2/2		Material ID PAAD363077		Rev. -	
SURFACE PROTECTION SEE GROUP 0344		Made 21.02.2021 dki021 DH.Kim		Design Group 9725		Drawing ID DAAD134101			
TOLERANCING PRINCIPLE ISO8015		Chkd 26.02.2021 jpi101 Pickup		Appd 26.02.2021 mhu019 Hug					
GENERAL TOLERANCES ACCORDING TO ISO2768-nK									

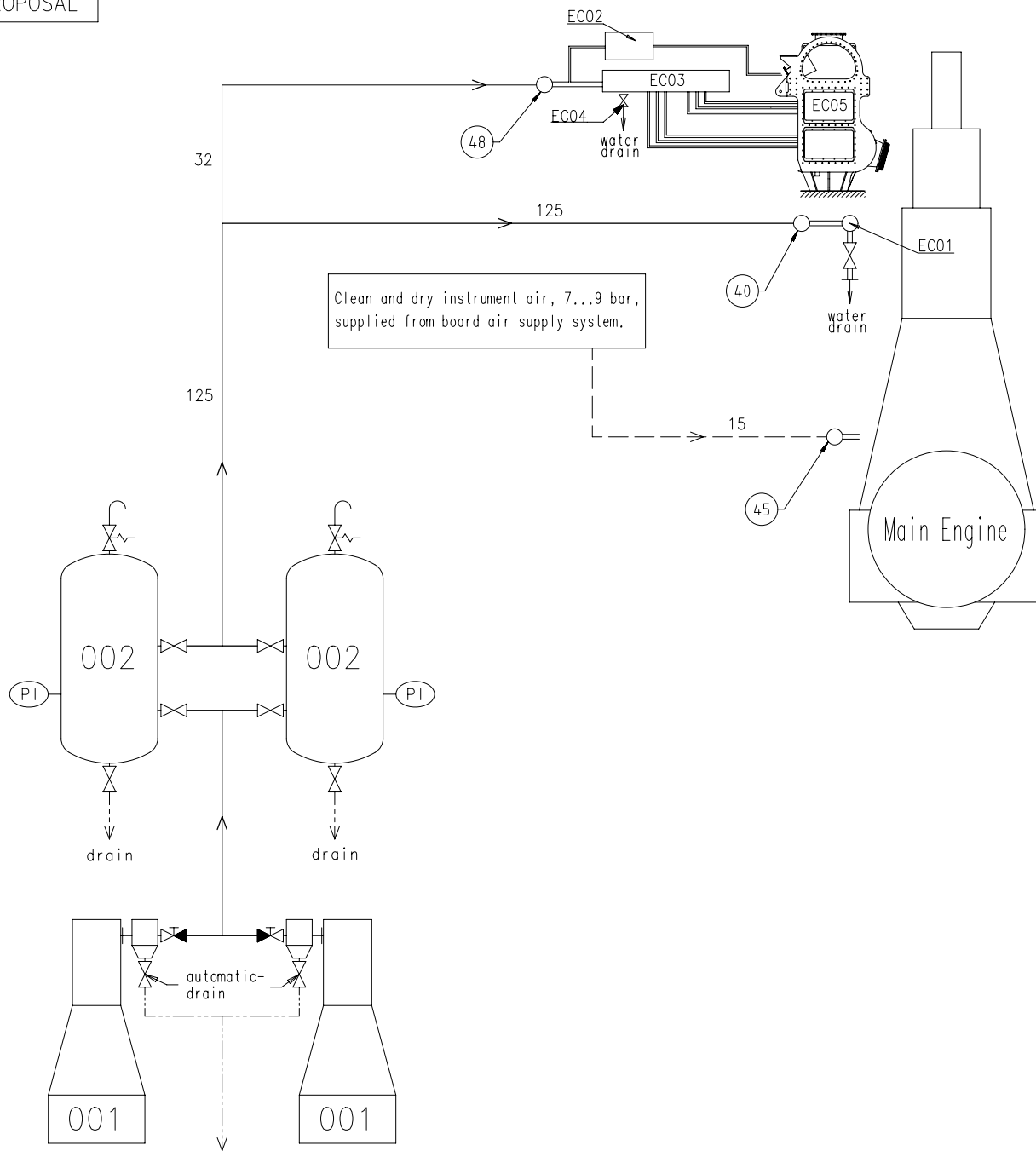
SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
2	1	PAAD373796	AIR SUPPLY SYSTEM				0.001
Prod.	5,6,7,8 X62-S2.0						
Change History							
	-	dki021	mhu019	26.02.2021	EAAD787120	-	-
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code
							E C
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>			STARTING AIR SYSTEM				
Bill Of Material			Dimension				
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			Main Design	Yes	Design Group	9725 Q-Code XXXXX	Standard WDS
			Qty per	Engine	A4	Item ID PAAD373899	BOM Page/s 01/01

Technical drawing of a mechanical assembly, likely a pump or turbine component, showing a cross-section. The drawing includes three callouts: 40, 45, and 48, each pointing to a specific part of the assembly. Callout 40 points to a small circular feature on the left side. Callout 45 points to a small circular feature on the top right. Callout 48 points to a small circular feature on the bottom right. The assembly consists of a large central body with a flange, a smaller component on the right, and a large circular component at the bottom with a gear-like outer edge.



40	INLET - Starting air Starting air pressure: 25 or 30 bar (according to design)
45	INLET - Control air Control air pressure: 7-9 bar Control air quality: In compliance with the compressed air purity class: 5-4-3 according to ISO 8573-1 (2010-04-15)
48	INLET - Air supply urea dosing unit and SCR air rail pipe Air pressure: 10-12 bar Air quality: In compliance with the compressed air purity class: 6-8-4 according to ISO 8573-1 (2010-04-15)

Free space for ltc.											Q-Code XXXXXX	Main Drw.
											Standard ISO; JIS	
Modif.												
		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date
			Product 5-8X62-S2.0			AIR SUPPLY SYSTEM with iSCR Luftversorgungssystem						
Units	mm kg	NX			Basic Material							Net Weight 0,001
Made	22.02.2021 dki021 DH.Kim				Scale	-	Size	A3	Page	1/2	Material ID	PAAD373796
Chkd	26.02.2021 jpi101 Pickup				Design Group 9725	Drawing ID	DAAD139637				Rev. -	
Appd	26.02.2021 mhu019 Hug											

SYSTEM PROPOSAL



Pos	System Components *1)
001	Starting air compressor 25/30 bar (capacity according to GTD)
002	Starting air receiver 25/30 bar (capacity according to GTD)
Pos	Engine Connections *2)
(40)	INLET - Starting air
(45)	INLET - Control air (for control system and air spring)
(48)	INLET - Air urea dosing unit and SCR air rail pipe
Pos	Engine Components *3)
EC01	Distribution pipe with automatic starting air shut-off valve
EC02	Urea dosing unit
EC03	Air rail pipe SCR soot blowing system
EC04	Water drain valve, air rail pipe SCR soot blowing system
EC05	SCR reactor
Remarks	
-Drain plugs and drain cocks to be installed where necessary. -Pipe diameters for starting air compressors and auxiliary equipment according to suppliers recommendations.	
*1) Refer to the "Pipe Connection Plan" for the execution and location of the engine pipe connections.	
*2) To be delivered by external supplier and to be installed by the shipyard.	
*3) To be delivered by the engine builder,i.e. already equipoped on engine side	

Free space for lic.		Q-Code XXXXXX Standard ISO; JIS				Main Drw.					
Modif.	<input type="radio"/>		<input type="radio"/>		<input type="radio"/>	<input type="radio"/>					
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date			
 Winterthur Gas & Diesel		Product 5-8X62-S2.0		AIR SUPPLY SYSTEM with iSCR Luftversorgungssystem							
Units	mm kg	NX		Basic Material			Net Weight 0,001				
Made	22.02.2021	dk021	DH.Kim	Scale	-	Size	A2	Page	2/2	Material ID	PAAD373796
Chkd	26.02.2021	jpi101	Pickup	Design Group		Drawing ID	7925	DAAD139637	Rev.	-	
Appd	26.02.2021	mhu019	Hug								

MIDS - AIR-SUPPLY-SYSTEM (DG9725)

WinGD X62-S2.0

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-03-01	DRAWING SET	First web upload
2022-04-26	PAAD373897 PAAD373899	Main items – new revision

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