

Available executions

Execution No.	Material ID	Cylinder No.
1	PTAA009992	6-9

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

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.	X82DF-1.0 X82DF-2.0								
Change History									
	-	sde101	dst009	27.10.2021	CNAA000871	new Design		-	-
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E C



AIR SUPPLY SYSTEM
 MIDS master drawing

separate BOM available

Dimension

Scale	-		NX	Units [mm] [kg]	Basic Material	Net Weight	0.001		
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Qty per	A4	Item ID	PTAA014932		Drawing Page/s	1/1			

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	PTAA011072	AIR SUPPLY SYSTEM				0.001

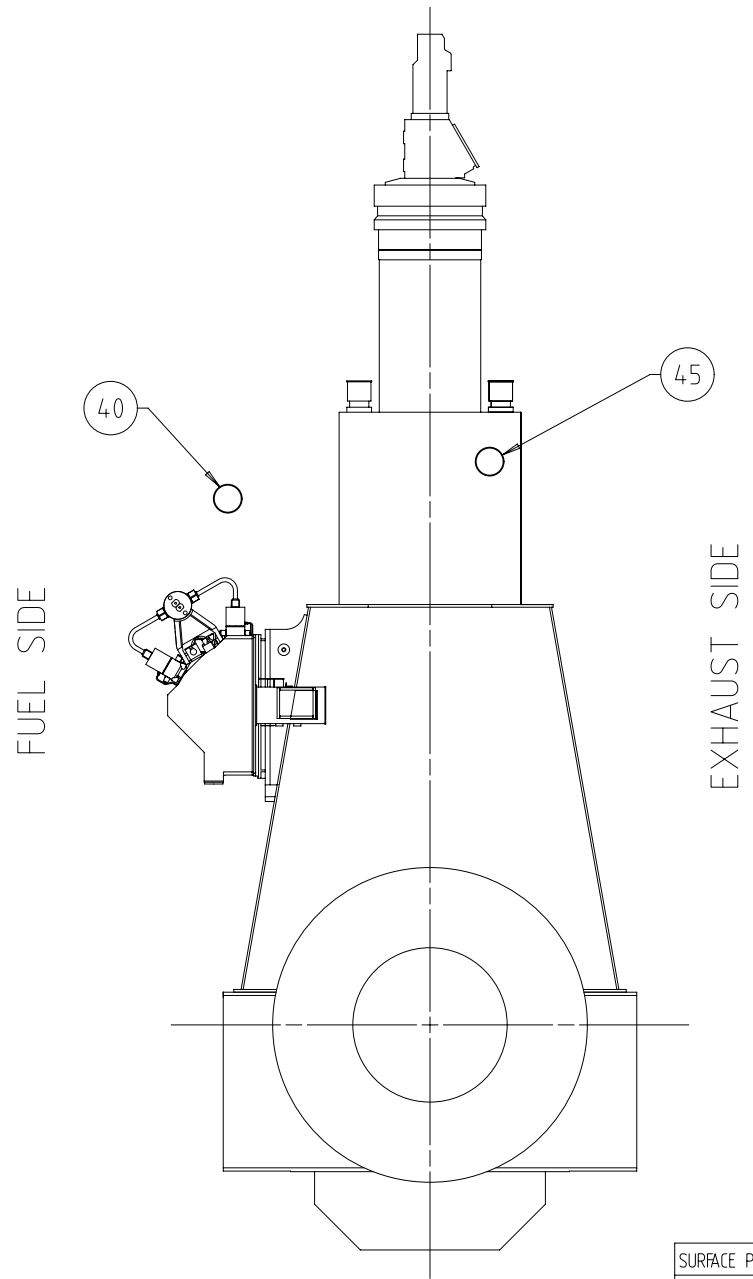
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Prod.	6,7,8,9 X82DF-1.0							
	6,7,8,9 X82DF-2.0							
Change History								
	-	sde101	dst 009	27.10.2021	CNAA000871	Main Design/Drawing Introduced	-	-
Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E C

	AIR SUPPLY SYSTEM
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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	PTAA009992		BOM Page/s	01/01	

DRIVING END



SPECIFICATIONS 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)

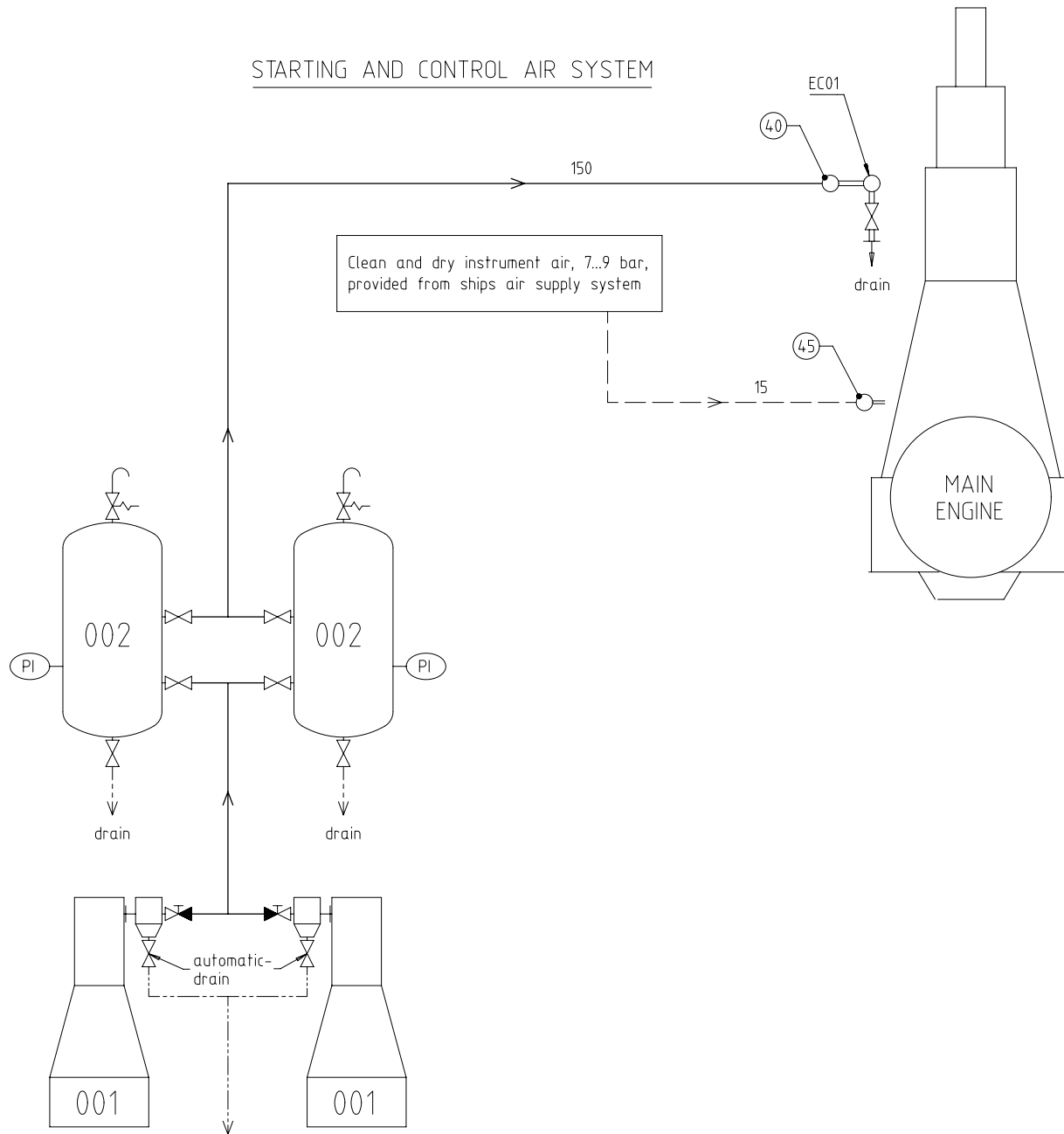
Prod.	X82DF-1.0 X82DF-2.0								
Change History									
	-	sde101	dst009	27.10.2021	CNAA000871	new Design			
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E C
		AIR SUPPLY SYSTEM							
Scale		-				NX		Dimension	
Units [mm] [kg]		Basic Material		Net Weight		0.001			
Main Design		Design Group		9725		Q-Code		XXXXX	
Qty per		A3		Item ID		PTAA011072		Standard WDS	
Drawing Page/s								1/2	

SURFACE PROTECTION SEE GROUP 0344
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SYSTEM PROPOSAL

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

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Change	-	sdet101	dst009	27.10.2021	CNA000871	new Design	-	-
Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E C
				[mm] [kg]	-	A2	Item ID	PTAA011072
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								2 / 2

WinGD X82DF/-1.0/-2.0 – Air Supply System (DG9725)

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-11-20	DRAWING SET	First web upload of the DF specific drawing set

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