Available executions

Execution No.	Material ID	Attribute 1: Emmission 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	PAAD379239	X		X	X
002	PAAD379240		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.

Prod. X52-S2.0

Change History

Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code	E	C
–	sna102	mhu019	24.05.2023	CNAA003753	new Design	Approved	-	-

WINGD Winterthur Gas & Diesel

AIR SUPPLY SYSTEM
MIDS master drawing

separate BOM available

Dimension

Scale – NX

Units [mm] [kg]

Basic Material

Net Weight 0.001

Main Design

Design Group 9725

Q-Code XXXXX

Standard WDS

Qty per

A4

Item ID PTAA025644

Drawing Page/s 1/1

SEQ NO	QTY	Item ID	Item Name Dimension	Standard-ID	Basic Material	Net Weight
1	1	PAAD379236	AIR SUPPLY SYSTEM			0.001

Prod.				
	5,6,7,8 X52-S2.0			

Change History

Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code	E	C
A	sde101	mhu019	30.04.2021	EAAD096559	Legacy information. See corresponding ChangeNotice		4	3
-	dki021	mhu019	26.04.2021	EAAD787404	-		-	-

WIN GD
Winterthur Gas & Diesel

AIR SUPPLY SYSTEM

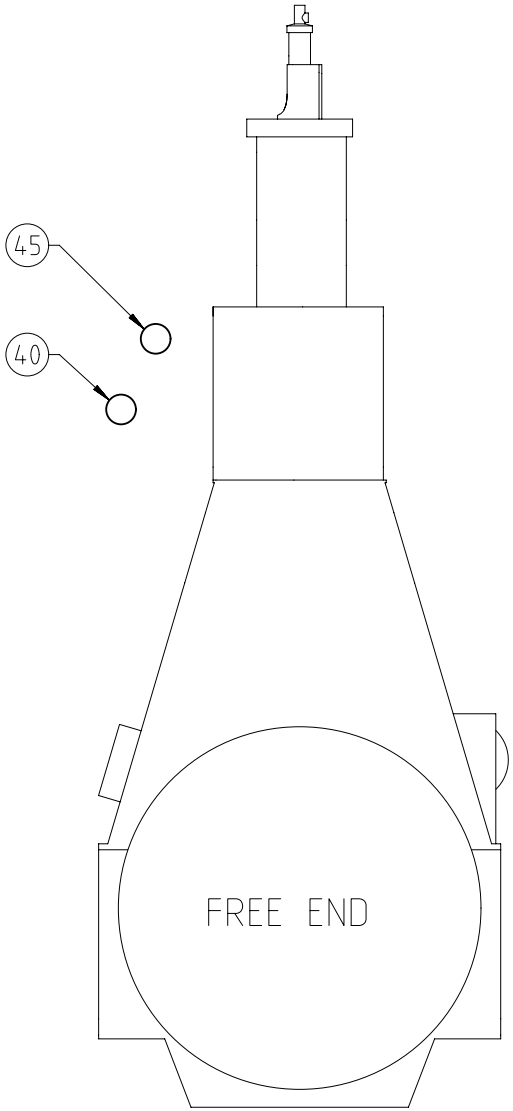
PAAD379239

Bill Of Material

Dimension

Units	[m] [kg]	Basic Material						Net Weight	0.001
Main Design	Yes	Design Group		9725	Q-Code	XXXXX		Standard	WDS
Qty per	Engine	A4	Item ID	PAAD379239				BOM Page/s	01/01

X52-S2.0
X52DF-S1.0



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 XXXXX

Standard ISO; JIS

Main Drw.

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date

WIN GD Winterthur Gas & Diesel

Product
5-8X52-S2.0
5-8X52DF-S1.0

AIR SUPPLY SYSTEM

Luftversorgungssystem

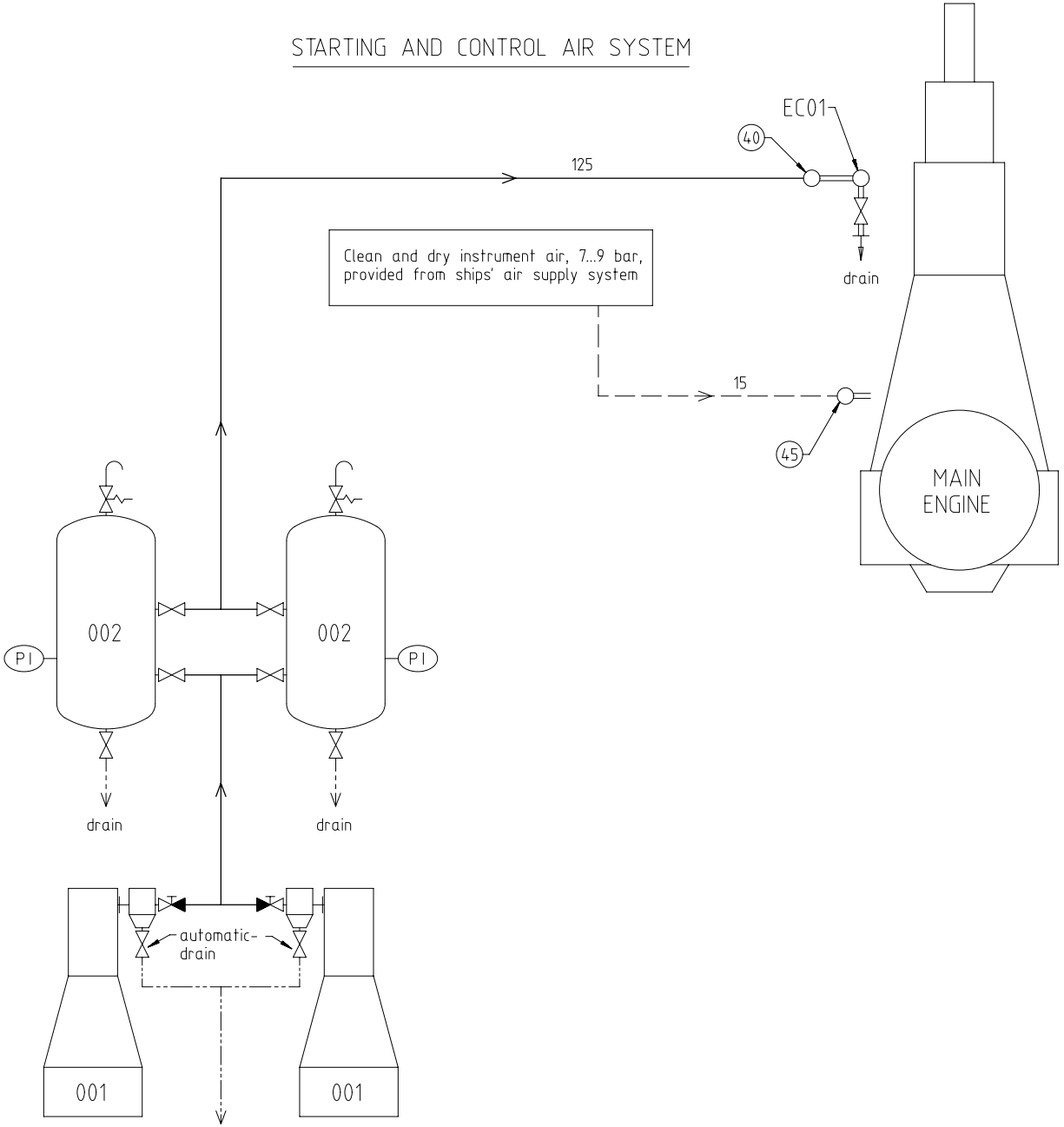
Units mm kg	NX	Basic Material			Net Weight 0,001
SURFACE PROTECTION SEE GROUP 0344	Made 07.04.2021 dki021 DH.Kim	Scale -	Size A3	Page 1/2	Material ID PAAD379236
TOLERANCING PRINCIPLE ISO8015	Chkd 26.04.2021 jpi101 Pickup	Design Group 9725	Drawing ID DAAD142347		Rev. -
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd 26.04.2021 mhu019 Hug				

Approved

DID - DIMENSIONAL DRAWING - Confidential

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

Approved

Free space for lic.

Q-Code XXXXX

Main Drw.

Standard ISO; JIS

Modif. | Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date

WIN GD Winterthur Gas & Diesel

Product 5-8X52-S2.0 5-8X52DF-S1.0

AIR SUPPLY SYSTEM

Luftversorgungssystem

Units mm kg | NX | Basic Material | Net Weight 0,001

SURFACE PROTECTION SEE GROUP 0344	Made 07.04.2021 dki021 DH.Kim	Scale -	Size A2	Page 2/2	Material ID PAAD379236
TOLERANCING PRINCIPLE ISO8015	Chkd 26.04.2021 jpi101 Pickup	Design Group 9725	Drawing ID DAAD142347		Rev. -
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd 26.04.2021 mhu019 Hug				

DID - DIMENSIONAL DRAWING - Confidential

SEQ NO	QTY	Item ID	Item Name / Dimension	Standard-ID	Basic Material	Net Weight
2	1	PAAD379238	AIR SUPPLY SYSTEM			0.001

Prod.			
	5,6,7,8 X52-S2.0		

Change History

Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code	E	C
A	sde101	mhu019	30.04.2021	EAAD096559	Legacy information. See corresponding ChangeNotice		4	3
-	dki021	mhu019	26.04.2021	EAAD787404	-		-	-

WIN GD
Winterthur Gas & Diesel

AIR SUPPLY SYSTEM

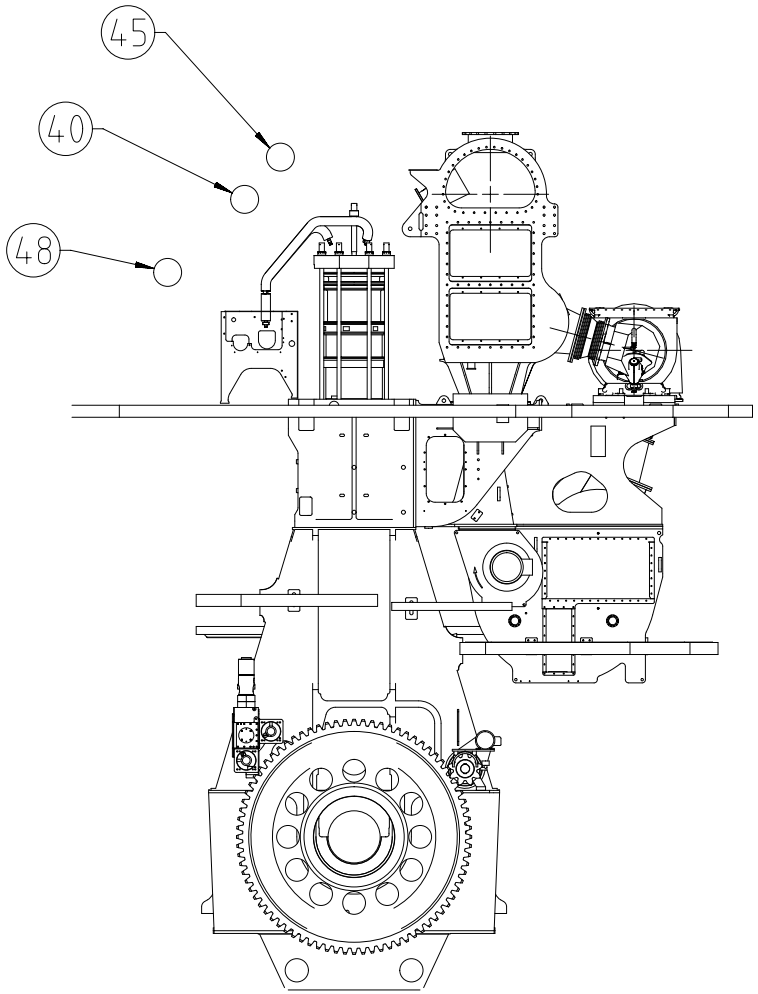
PAAD379240

Bill Of Material

Dimension

Units	[m] [kg]	Basic Material				Net Weight	0.001
Main Design	Yes	Design Group	9725	Q-Code	XXXXX	Standard	WDS
Qty per	Engine	A4	Item ID	PAAD379240		BOM Page/s	01/01

X52-S2.0



SPECIFICATIONS which must be met:

(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 lic.

Q-Code: XXXXX

Standard: ISO; JIS

Main Drw.

Modif. | Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date

WIN GD Winterthur Gas & Diesel

Product: 5-8X52-S2.0

AIR SUPPLY SYSTEM
with iSCR
Luftversorgungssystem

Units: mm kg | NX | Basic Material | Net Weight 0,001

SURFACE PROTECTION SEE GROUP 0344	Made	07.04.2021 dki021 DH.Kim	Scale -	Size A3	Page 1/2	Material ID PAAD379238
TOLERANCING PRINCIPLE ISO8015	Chkd	26.04.2021 jpi101 Pickup	Design Group 9725	Drawing ID DAAD142350		Rev. -
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	26.04.2021 mhu019 Hug				

Approved

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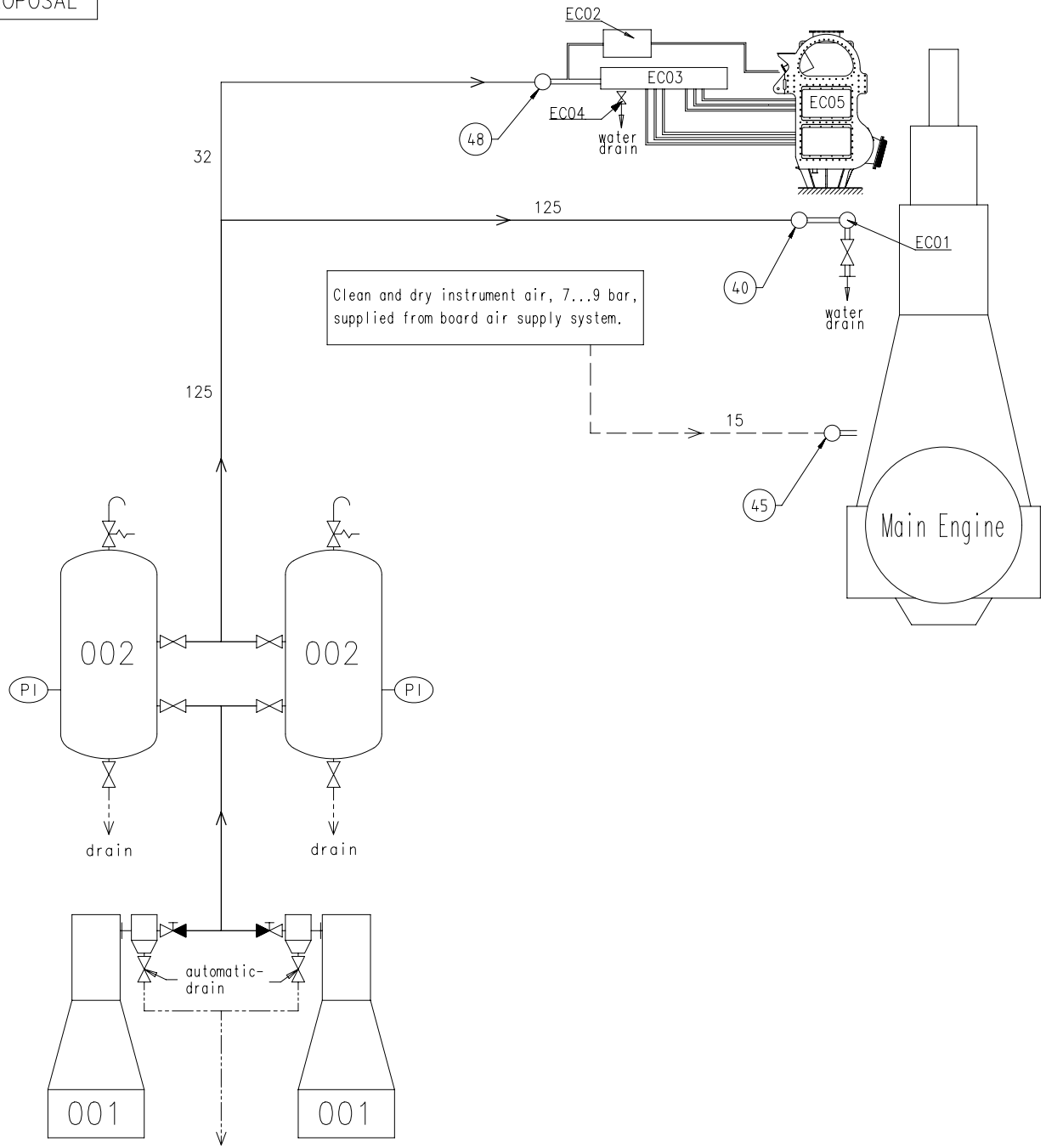
SYSTEM PROPOSAL



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

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

Approved

Free space for lic.
Q-Code XXXXX
Standard ISO; JIS
Main Drw.
Modif. | Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date

WIN GD Winterthur Gas & Diesel

Product 5-8X52-S2.0

AIR SUPPLY SYSTEM
with iSCR
Luftversorgungssystem

Units mm kg | NX | Basic Material | Net Weight 0,001

SURFACE PROTECTION SEE GROUP 0344	Made	07.04.2021 dki021 DH.Kim	Scale –	Size A2	Page 2/2	Material ID PAAD379238
TOLERANCING PRINCIPLE ISO8015	Chkd	26.04.2021 jpi101 Pickup	Design Group 9725	Drawing ID DAAD142350		Rev. –
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	26.04.2021 mhu019 Hug				

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MIDS – Air Supply System (DG9725)
WinGD X52-S2.0

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-05-10	DRAWING SET	First web upload
2023-05-25	PAAD379239 PAAD379240	New drg, revisions

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