

## Introduction of Engine Designation (Naming)

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### Contents

1	Information .....	1
2	Engine Designation .....	2
3	Implementation of the Engine Designation .....	3

### Summary

This Technical Information Note announces the adoption of a designation (naming system) for WinGD's low-speed engines. The explanation to this system is provided with examples, and the application of the designation is provided with a list of engines concerned.

## 1 Information

WinGD are introducing a designation, a development to the naming of the low-speed engines. This will be applied to the latest engines in WinGD's portfolio and new engines going forward.

The objective of this designation is to best reflect the current state of the WinGD engines, as well as the focus and ongoing strategy of further development. The adopted naming system (explained in section 2), highlights the engine variants that WinGD believe are most important to our customers and stakeholders.

The engines concerned (listed in section 3) are the latest releases of WinGD. Documentation for these engines will be released accordingly, along with other tools and WinGD's GTD program.

For any questions concerning the content of this Technical Information Note, please contact your WinGD representative or WinGD directly.

## 2 Engine Designation

The engine designation is broken down into several variables, each representing a different aspect of the engine. The values in the engine name provide relevant information and allow for distinction between different variants of an engine.

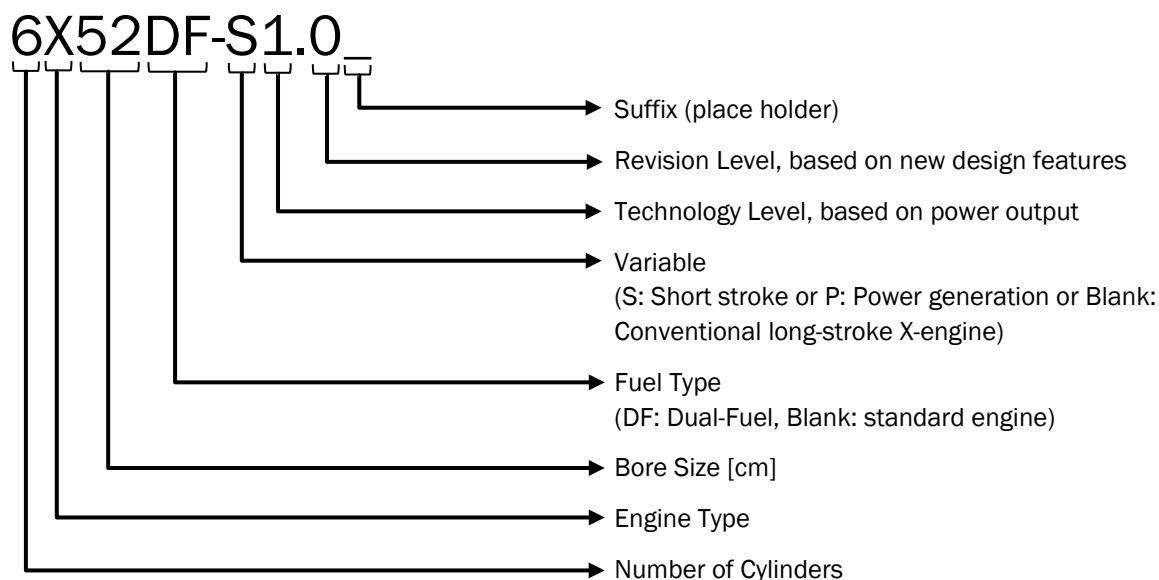


Table 1: Definition to variables for engine designation

Variable	Meaning of variable	Actual available values – To be extended when needed
<b>n</b>	Number of cylinders	5-9 (To be extended)
<b>Et</b>	Engine type designation	X
<b>Bs</b>	Bore size [cm]	40, 52, 62, 82 (To be extended)
<b>Ft</b>	Fuel type	DF: Dual-fuel, natural gas (in addition to conventional fuels). Non-applicable variable for conventional engines using only conventional diesel fuels (ISO 8217-2017 specification).
<b>“-“ + Va</b>	Variable (Preceding a dash ‘Spacer’)	S: Short stroke type engine P: Power generation engine. Non-applicable variable for conventional long-stroke X-engine, marine application.
<b>Tl</b>	Technology Level - Based on power output	1, 2 (To be extended) – Detailed definition will be informed separately, e.g. current X-DF engines are on power level 1.
<b>“.” + Ri</b>	Revision Level - Based on new design features	0 (To be extended) – Introduction starts at zero. Each revision is indexed by increasing the number by one.
<b>Su</b>	Suffix	Currently not defined. Introduced as place holder for further differentiation, if needed.

Table 2: Examples of variables for engine designation

Variable	n	Et	Bs	Ft	“-“ + Va	Tl	“.” + Ri	Su
7X62-S2.0	7	X	62		-S	2	.0	
5X82-2.0	5	X	82		-S	2	.0	
8X52DF-1.0	8	X	52	DF	-	1	.0	
6X40DF-1.0	6	X	40	DF	-	1	.0	

### 3 Implementation of the Engine Designation

The following engines will have the new convention applied:

#### Standard (conventional fuel) engines

Current name	New name
X82-D	X82-2.0
	X52-S2.0
	X62-S2.0

#### Dual-Fuel engines

Current name	New name
X40DF	X40DF-1.0
X82DF	X82DF-1.0
	X52DF-S1.0
	X62DF-S1.0