

IHI POWERSYSTEMS CO., LTD



More than century of experience leads to innovative power

NIIGATA is the core brand of IHI Power Systems Co., Ltd., the only manufacturer in the world with both engines and azimuth Z-Pellers that is of our own, original design without integrating or merging with other brands.

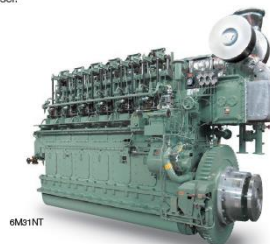
With more than 100 years' history, NIIGATA is proud of its reliability and reputation among harbour and terminal tug and OSV operators across the world. The Japan-headquartered company manufactures engines producing a total of around 1m horsepower a year and nearly 5,000 units of Z-Pellers have been delivered around the world. As an all-round power system provider, it is also involved in diesel engines, gas engines, and gas turbines co-generation activity.



Low Speed Diesel Engine

Durability with Japanese 4 stroke Low Speed Engine

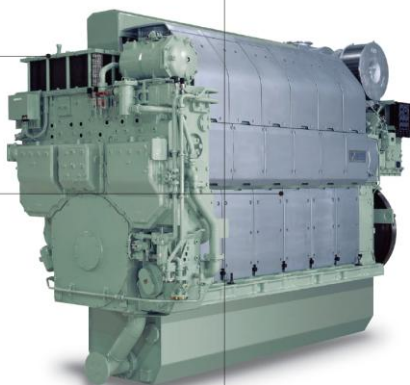
To meet the long time customer's expectations, NIIGATA has continually developed and manufactured the 4 stroke low speed diesel engines and the total propulsion systems for in-land general cargo and ocean fishery vessel.



6M31NT

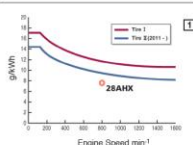
Low Speed Diesel Engine Power Range

Model	kWm	1000		2000		3000	
	PS	1000	2000	3000	4000		
6M26ATE							
6M28BT							
6M28NT							
6M31BT							
6M31NT							
6M34RT							
6M34BT							
6M34NT							



1 High efficiency and low emissions

By employing the Miller cycle system and VVT (Variable Intake Valve Timing) technology, 28AHX series has realized the best performance and low fuel consumption. 28AHX engine complies fully with IMO NOx regulation Tier II.



2 Easy maintenance and Low operating cost

The Cylinder unit design that integrates the piston, cylinder liner and cylinder head helps reduce the amount of maintenance work and cost, makes it easier to remove these parts from the crankcase.

3 Gauge board "Grafico"

The latest electrical type gauge board "Grafico" is installed on 28AHX engine. Displays engine status, engine speed, pressure and temperature, digitally and as bar graphs using LEDs, for excellent visibility and rapid assessment to safe engine operations. Interface includes industry-standard signaling system to ensure compatibility with external systems.

4 Front-end unit (Optional)

Auxiliary equipment, including the lubricating oil system, fuel system, and cooling water system, are integrated into a single unit located at the front end of the engine.

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URL: www.ihl.co.jp/ips/