2018-06-05

3442015 TECHNICAL MACHINE SHEET

Product:	Natural Gas Power Plant 17.5 MW Wartsila 2 x 20V34 SG
Product number:	3442015
Manufacturer:	Wartsila
Manufacturer's type:	20V34 SG
Manufacturing year:	2009
Electrical output:	17.460 kW / 10.5 kV / 50 Hz
Hot water output:	15.150 kW_{th} at 90 °C
Heat rate:	8.124 kJ/kWhe from alternator terminals
Status:	Never installed, still in original shipment crates
Condition:	New like

Pictures:

JADE Machine Description:

This complete power plant equipment including building structures were delivered by Wartsila in year 2009 and it is still in original shipment crates. This power plant has two Wartsila 20V34 SG natural gas engine driven generators with total gross electrical output 17.46 MW_e at site condition (100 m elevation, temperature 20 °C). The plant has a heat recovery system for hot water production and it has radiator cooling system for 100 % of heat load. Power plant has advanced Wartsila control and supervision system with centralized Wartsila Operator's Interface System (WOIS). The engines are controlled with Wartsila Engine Control System (WECS).

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