



MAN Engines Ordered for World's Largest Cutter-Suction Dredger

Copenhagen,
19/08/2015

Jan De Nul Group, the leading dredging specialist, is set to further expand its modern fleet with a self-propelled, cutter-suction dredger to be built at Croatian shipyard, Uljanik Brodogradiliste in Pula. The vessel, currently designated 'JDN8069', will feature 1 x MAN 14V48/60CR + 2 x MAN 9L48/60CR engines as well as 3 x step-up, RENK Rheine gearboxes for a diesel-electric plant. RENK will also deliver the gearboxes for the cutter-head drive as well as for the dredger and booster pumps. Upon completion, the vessel will be the largest of its type in the world.

Lex Nijssen – Vice President and Head of Four-Stroke Marine – MAN Diesel & Turbo, said: "Jan De Nul Group knows MAN very well and much of its fleet features our engines. This new vessel represents a significant development within the dredger segment in that, up to now, the largest installed power on similar vessels was approximately 27-28 MW, a figure the new vessel easily surpasses. I'm confident this order will help Jan De Nul Group maintain its strong presence in the dredger market."

Popular dredging choice

The MAN L/V 48/60CR engine type is one of the most successful engine types used in dredging applications. Among the 56 such engines MAN Diesel & Turbo currently has on order for various marine applications, 14 alone are bound for installation aboard cutter- and hopper-dredger newbuildings for customers in Benelux and China. All engines will be built at MAN's main facility in Augsburg, Germany.

The 48/60CR engines are equipped with key, in-house-developed technologies to optimise their economic and ecological performance, including:

- high-efficiency, TCA-type, exhaust-gas turbochargers
- advanced, electronic fuel-injection systems
- electronic hardware and software for engine control, monitoring and diagnosis in the form of MAN Diesel & Turbo's proprietary SaCoS_{one} system.

MAN Diesel & Turbo SE
Teglhølmegade 41
DK-2450 Copenhagen SV
DENMARK
www.mandieselturbo.com

Marketing & Documentation

Further information:
Peter Dan Petersen
Tel.: +45 33 85 14 70
peterd.petersen@man.eu

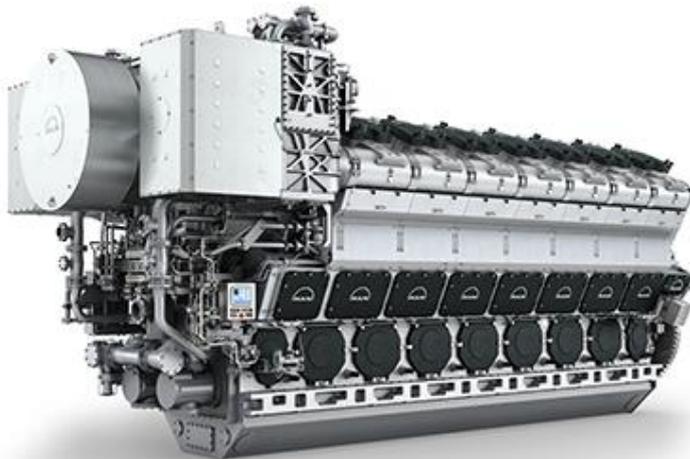
Graphics and images:
Mia Glarborg
Tel.: +45 33 85 15 90
mia.glarborg@man.eu



The new vessel will be able to boast of over 40,000 kW total diesel installed power, making it approximately 50% more powerful than the Luxembourg outfit's own 'J.F.J. De Nul', currently the largest cutter-suction dredger in the world. JDN8069 is due for delivery at the beginning of 2017 and will operate globally.

About Jan De Nul Group

People and global expertise. These are the corner stones of Jan De Nul Group's success. Thanks to its skilled employees and the world's most modern fleet, Jan De Nul Group is a leading expert in dredging and marine construction activities, as well as in specialized services for the offshore industry of oil, gas and renewable energy. These core marine activities are further enhanced by Jan De Nul Group's in-house civil and environmental capabilities offering clients a complete package solution.



Library photo of the MAN 48/60CR engine

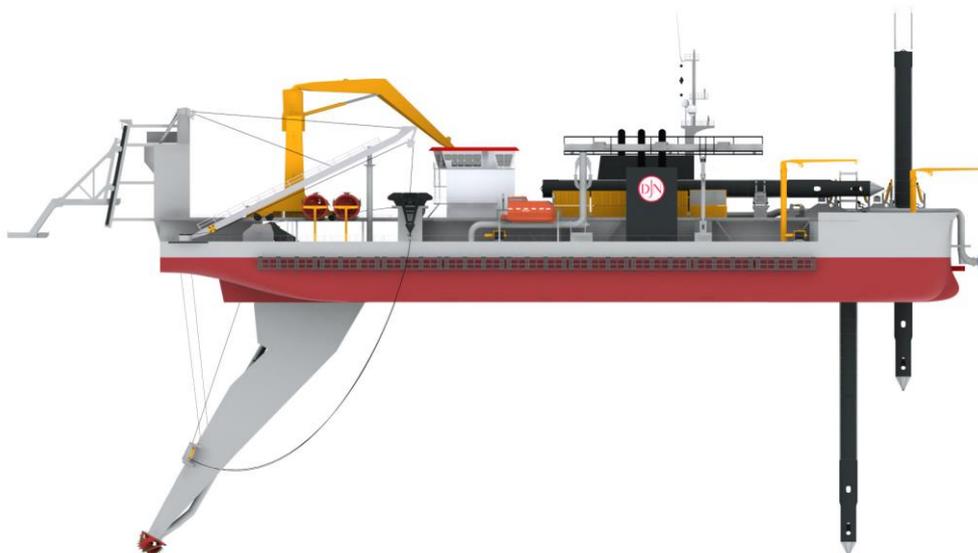


Jan De Nul Group Order – Principal Engine Data	
Total installed power (kW)	40,975
Individual engine output (kW_{mech})	<ul style="list-style-type: none">• 16,800 (14V48/60CR)• 10,800 kW (9L48/60CR)
Engine fuel	HFO/MDO/ MGO
Cutter power (kW)	8,500
Pump power (kW)	3 × 8,500
Length o.a. (m)	151.3
Width (m)	36.0
Draught (m)	5.8
Speed (kn)	12.0
Suction pipe (mm)	1 × 1.100
Dredging depth (m)	45.0

Source: Jan De Nul Group



Graphical rendering of the Jan De Nul Group newbuilding 'JDN8069' that, upon completion, will become the largest cutter-suction dredger in the world (picture courtesy Jan De Nul Group)



Side profile of the dredger newbuilding (picture courtesy Jan De Nul Group)

About MAN Diesel & Turbo

MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world's leading provider of large-bore diesel engines and turbomachinery. The company employs around 14,500 staff at more than 100 international sites, primarily in Germany, Denmark, France, Switzerland, the Czech Republic, India and China. The company's product portfolio includes two-stroke and four-stroke engines for marine and stationary applications, turbochargers and propellers as well as gas and steam turbines, compressors and chemical reactors. The range of services and supplies is rounded off by complete solutions like ship propulsion systems, engine-based power plants and turbomachinery trains for the oil & gas as well as the process industries. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand.