STROMAG
A REGAL REXNORD BRAND

PRODUCT APPLICATION BRIEF

KMS...THC

HYDRAULIC MULTI-DISC CLUTCH

TECHNICAL DATA	
Torque	1,400 up to 22,500 Nm
Max. speed	up to 2,100 rpm
Ambient temperature	-10°C up to +80°C
Pressure	27 bar
Application area	on/off deck

CUSTOMER REQUIREMENTS

Need for a clutch to engage/disengage the Thruster-Propulsion-System arranged between the diesel engine and the thruster gearbox. High torque with low dimensions and hydraulically operated. Stand-alone version which means outside of the thruster gearbox. Mounting position in the machine room or "on Deck" as well. Coming-Home function in case of emergency.

SOLUTION

A hydraulically operated clutch with high power density, a compact design and a stand-alone solution. A conceptual design of a hydraulically operated Multi-Disc clutch (KMS...THC) based on our approved KMS clutches offering pre-treatment against corrosion protection for "on Deck" installation. The new KMS... THC is designed for thruster applications, where a clutch with a reliable safety torque transfer is required.

Emergency switching device for coming-home, radial arrangement with bolts to allow manual engagement/disengagement of the clutch in case of any failure of pressure supply.

APPLICATION

KMS...THC Series has been designed for use in Thruster-Propulsion-Systems all over the world. Various sizes are available. The clutch is arranged between diesel engine and gearbox.

BENEFITS INCLUDE

- No internal oil cooling necessary
- Clutch housing on bearings for applications outside of the gears
- Clutch in protective closed housing
- Direct connection e.g. of a PTO

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