

A large, blue-painted MTU diesel engine is shown in a close-up view. The engine features a prominent intake manifold on the left side, a large cooling fan at the front, and various pipes and hoses connected to it. A white label with the MTU logo is visible on the right side of the engine. The background shows a dark, industrial setting with some structural elements.

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A close-up photograph of a blue industrial engine component, possibly a valve or manifold, featuring several circular ports and a complex network of hoses and pipes. A large, dark, flexible hose runs horizontally across the upper portion of the frame. A blue rigid pipe is visible on the right side. A braided metal hose with a yellow protective sleeve is connected to one of the ports on the right. The entire assembly is painted a light blue color. A white watermark is centered over the image.

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Kelvion

Kelvion Marine Cooling GmbH  
Lübeckstr. 26, 22549 Hamburg, Germany

Type  
type

20009469

Auftrag  
contract no.

20043449

Kunden-Nr.  
customer no.

X595114000

Baujahr  
year of construction

2017

Lieferbündel-Nr.  
cons. bundle no.

1

Max. zul. Betriebsüberdruck  
max. all. working pressure

Wasserseite / waterside

4.7

Luftseite / airside

2.7

bar

Prüfüberdruck  
test over pressure

9.0

zul. Betriebstemperatur  
all. operating temperature

115

°C

Volumen  
volume

27

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| mtu Diesel Engine   |              |     |
|---------------------|--------------|-----|
| Model               | 16V 4000 P83 |     |
| Engine No.          | 527 114 218  |     |
| Year of manufacture | 2017         |     |
| Power               | 2240         | kW  |
| Speed               | 1800         | rpm |
| Mass                | 8800         | kg  |
| Typeappr.           |              |     |

MTU Friedrichshafen GmbH  
Merkelstr. 1, D-88049 Friedrichshafen

Made in Germany 04.21MMW 425

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440VAC 60Hz



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DBR

Fire  
Blanket

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## EMISSION INFORMATION

OPERATION OF THIS ENGINE WITHOUT THE REQUIRED CERTIFICATION,  
TYPE APPROVAL OR PERMISSION IS NOT ALLOWED.

VIOLATION OF APPLICABLE EMISSION REGULATION MAY RESULT  
IN A PENALTY.

UNIT: 527114418

MTU Friedrichshafen GmbH



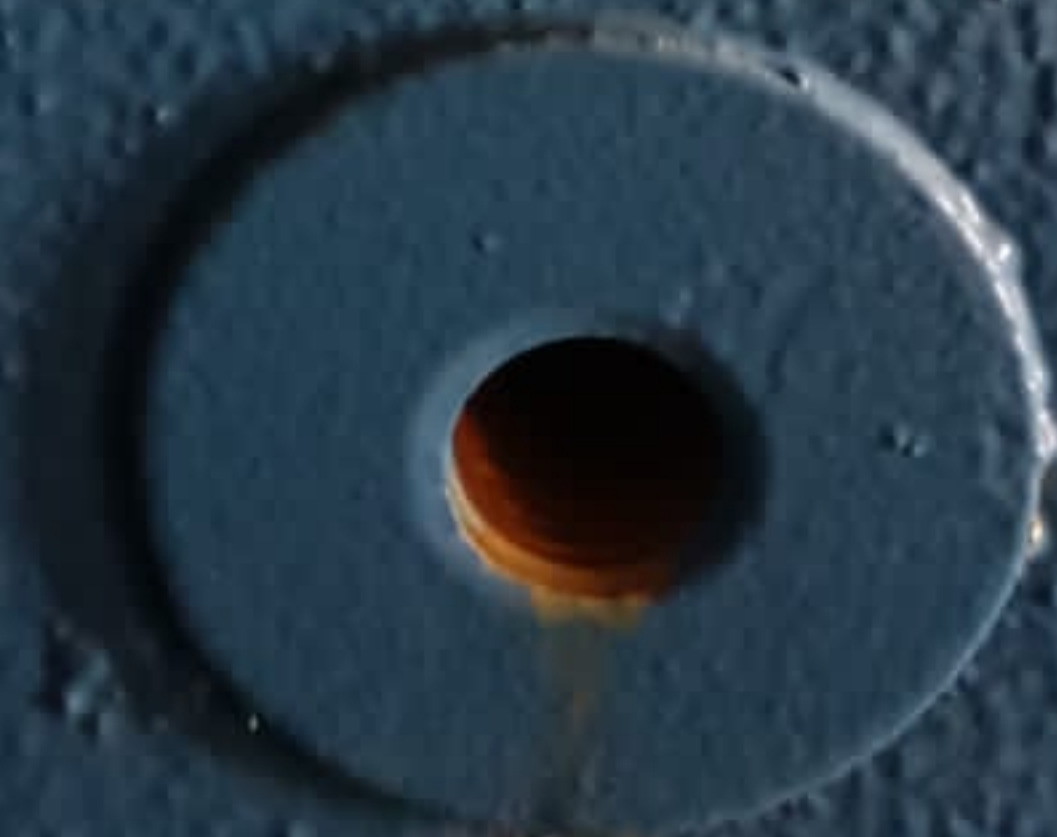
66.8 MMN 42

632901001

K 5

181030

1020







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The image shows a large, complex industrial engine, likely a marine diesel engine, painted in a dark blue color. A prominent white cylindrical fuel tank is mounted on the right side of the engine. The tank has a label with technical specifications and a warning section. The engine is surrounded by a network of blue and black hoses, pipes, and electrical conduits. A large, circular, blue-painted component, possibly a water pump or a large valve, is visible in the lower left foreground. The engine is mounted on a metal frame, and the background shows some structural elements of a vessel or industrial facility.

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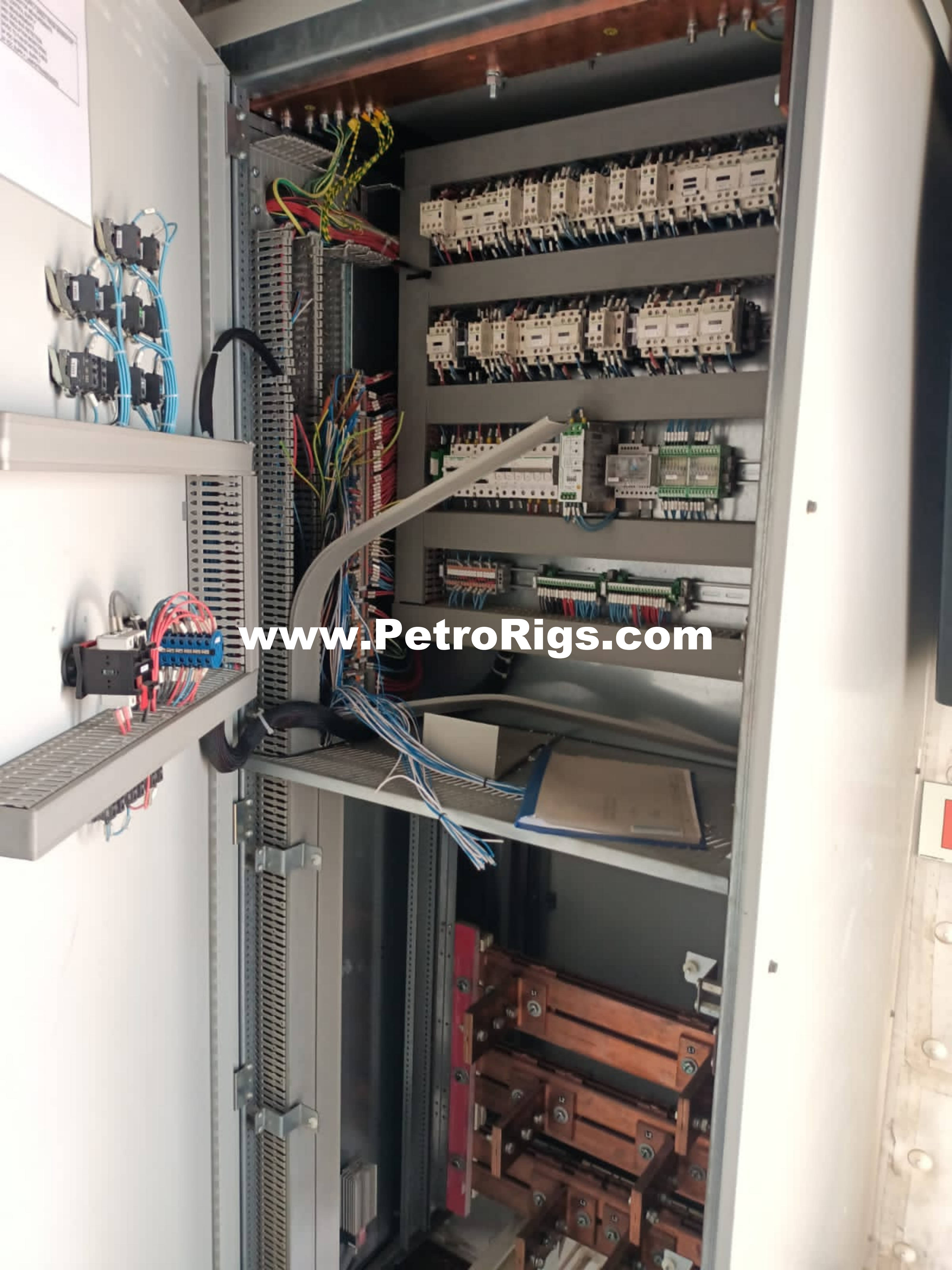






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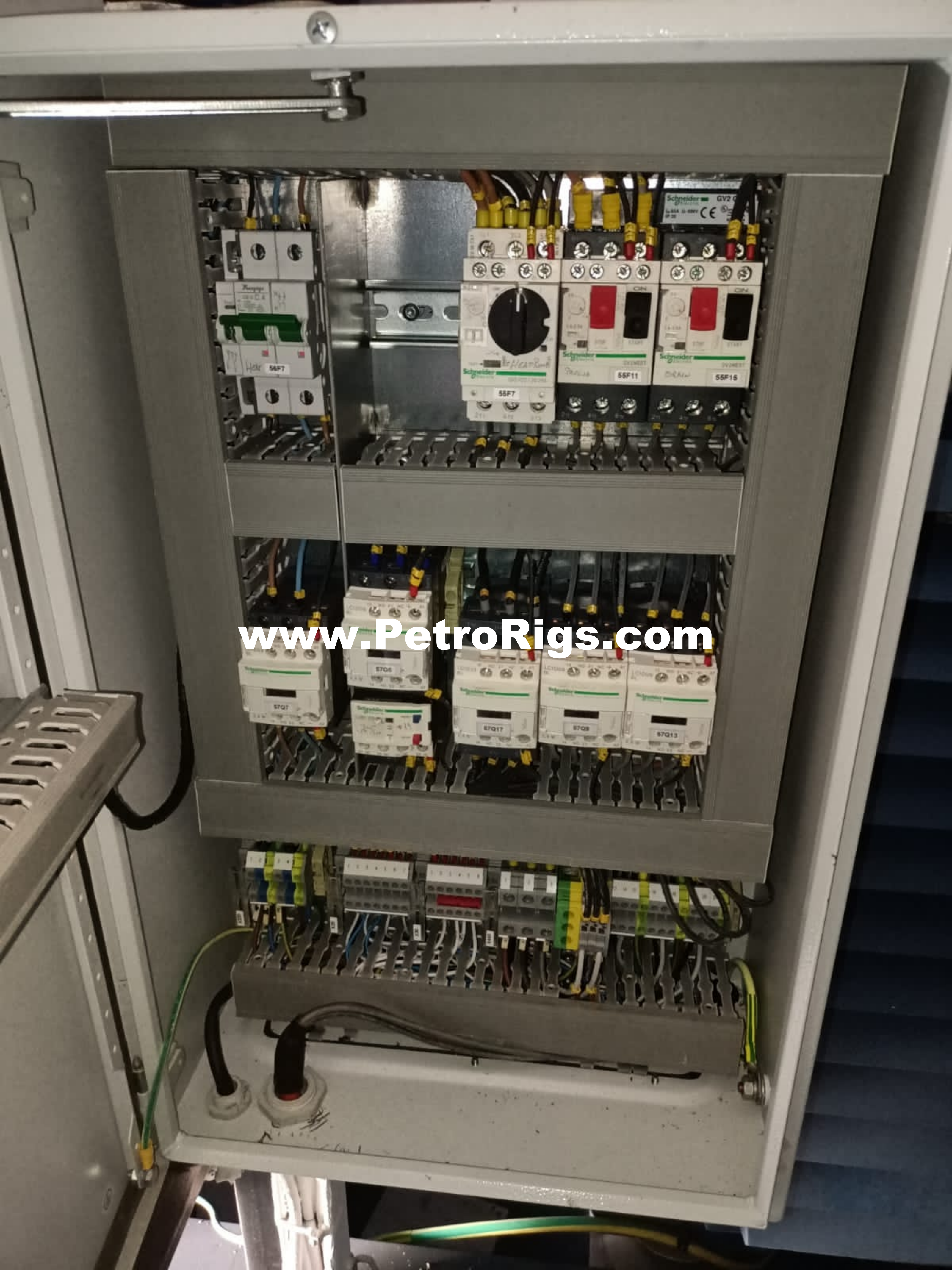




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000149.6



AE  
1110.500  
Rev No: G0021932  
RITTAL GmbH & Co. KG 36078 Haltern  
Made in Germany  
Factory ID: 70 Serial No: 6-4238  
CE



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AE  
1110.500  
Ser.No. G0021932

RITTAL GmbH & Co. KG 35726 Herborn

Made in Germany FAUF:

Factory ID: H Issue No. K-4256



Type 1, 12  
ENCLOSURE

INDUSTRIAL CONTROL PANEL ENCLOSURE



Type 1, 12

INDUSTRIAL CONTROL EQUIPMENT ENCLOSURE

To maintain UL Listing the appropriate frame, sidewalls, top and bottom panels shall be installed as per manufacturers instructions.

Afin de conserver la certification UL, veuillez à ce que l'ossature, les panneaux latéraux, le toit la base soient installés selon les instructions fournies par la fabricant.

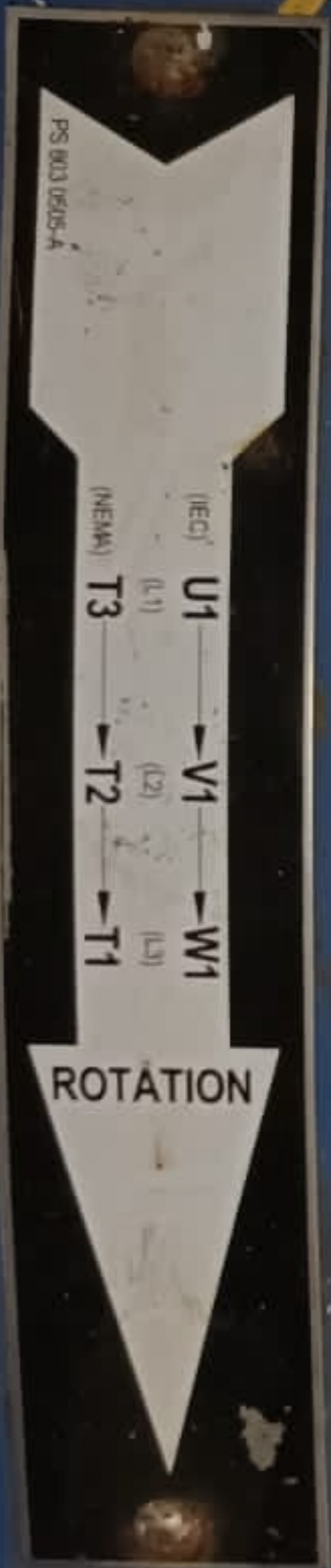
CAUTION: Openings in this enclosure must be covered with closure plates, systems or conduits with the same type rating / IP rating as this enclosure.



[www.PetroFuels.com](http://www.PetroFuels.com)

40P5





|                                                                                                                                                               |                                                  |                                  |                                |                         |         |                                                                                                                   |    |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------|--------------------------------|-------------------------|---------|-------------------------------------------------------------------------------------------------------------------|----|--|
| Type                                                                                                                                                          | LSG 34 2 M8/4P                                   |                                  | N°                             | 50P-34                  |         | PH                                                                                                                | 35 |  |
| Puissance<br>Power rating                                                                                                                                     | 2180 kW                                          | Cos Phi.                         | 0.8                            | A                       | V       | A                                                                                                                 | V  |  |
|                                                                                                                                                               | 2625 kVA                                         | Rend.<br>Eff.                    | 98.5 %                         | Y                       | 440 V   | A                                                                                                                 | V  |  |
| tr/mn - R.P.M                                                                                                                                                 | 1800                                             | 60                               | Hz                             | Commentaire<br>Comments |         |                                                                                                                   |    |  |
| Service<br>Duty                                                                                                                                               | S1                                               | Amb.                             | 45 °C                          | Excitation              |         |                                                                                                                   |    |  |
| WP<br>PdB                                                                                                                                                     |                                                  | Echauffement<br>Temperature rise | 70 K                           | Regulateur<br>A.V.R.    | DEC5120 |                                                                                                                   |    |  |
| Masse<br>Weight                                                                                                                                               | 7000 Kg                                          | Isolation<br>Insulation          | Cl: H                          | Excitation              | AREP    | En charge                                                                                                         | V  |  |
| Date                                                                                                                                                          | 09/2017                                          | IP                               | 44                             | Excitation              |         | Rated load                                                                                                        | A  |  |
|                                                                                                                                                               |                                                  |                                  |                                | A vide<br>No load       | 0.95 A  |                                                                                                                   | A  |  |
| Type graisse/Viscosité<br>Grease type/Viscosity                                                                                                               | Ou graisse équivalente - Or an equivalent grease |                                  | Périod. de<br>greasing/vidange | Quantité<br>Quantity    |         | Niveau d'huile en<br>fonctionnement<br>Oil level when running                                                     |    |  |
| Cote BA - DE BRG                                                                                                                                              | MOBIL DOLYREX EM                                 |                                  | 15                             | 70                      |         | Max<br>Min                                                                                                        |    |  |
| Cote Ex. - NDE BRG                                                                                                                                            | RLT 160 UU 027                                   |                                  | 1500                           | 70                      |         | Hile minérale - Mineral oil <input type="checkbox"/><br>Hile synthétique - Synthetic oil <input type="checkbox"/> |    |  |
| Cote Ex. - NDE BRG                                                                                                                                            |                                                  | RLT 140 RI 004                   | 1500                           | 70                      |         |                                                                                                                   |    |  |
| Graisser en rotation - Regrease in running - ou graisser tous les 6 mois - Or grease every 6 months - Grisser à la mise en service - Regrease at the start up |                                                  |                                  |                                |                         |         |                                                                                                                   |    |  |
| LEROY SOMER                                                                                                                                                   |                                                  | CE EAC                           | IEC 60034-1                    | A.C. GENERATOR          |         |                                                                                                                   |    |  |
|                                                                                                                                                               |                                                  |                                  |                                | ALTERNATOR              |         |                                                                                                                   |    |  |
| Moteur Leroy-Somer - Boulevard Marcellin Leroy, CS 1001516915 Angoulême Cedex 9 - France PS.003 0535-B                                                        |                                                  |                                  |                                |                         |         |                                                                                                                   |    |  |





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