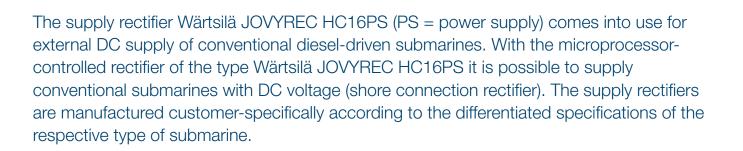


Wärtsilä JOVYREC HC16PS

PRODUCT LEAFLET



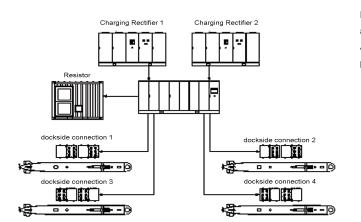
SAFETY AND RELIABILITY

Significant feature of the supply rectifiers of the type Wärtsilä JOVYREC HC16PS is a fully controlled thyristor bridge with B12C circuit. Particular attention has been paid to the quality of the DC voltage. Low residual ripple of DC voltage and high dynamic control assure that the sensitive on-board electronics of submarines will not be harmed.

CUSTOMISED MANUFACTURING

The shore connection rectifiers are modified and manufactured according to our customers' requirements; all technical data can be customer-specifically designed. As a rule we also deliver components for the installation of the infrastructure, e.g. switchover devices, junction boxes and shore connection boxes. Due to our far-reaching ex-

Fig. 1 Wärtsilä JOVYREC HC16PS as a redundant power supply



periences we can assist you in the project as competent partner already in the planning phase.

COMFORTABLE OPERATION

Systems of the Wärtsilä JOVYREC HC16PS series provide DC voltage as ground supply for a large number of submarines in many ports worldwide. Products of the Wärtsilä JOVYREC HC16PS series are designed for the respective application. A clearly structured design concept as well as high user-friendliness is a matter of course, that way all for the functioning necessary structural elements are accessible from the front and the operating and display instruments are fitted into the front door. We optionally deliver the remote control in a separate housing. The connection of the remote control is effected via an included cable set with plug connectors.

Installation with two redundant power supplies and a switchboard as well as two shore connection units. Via the switchboards provided by Wärtsilä JOVYATLAS the rectifiers can be switched to the individual mooring positions.

WÄRTSILÄ JOVYREC HC16PS

TECHNICAL DATA

Power

INPUT

Voltage

Phases Frequency

Power factor

Ουτρυτ

Voltage Current Tolerance of voltage Efficiency Ripple Schaltung

SETTING

Temperature Humidity Protection class Operation mode

COMMUNICATION

www.wartsila.com

All system data can be read out via RS 232/USB-interface

3 x 400 VAC / 440 VAC / 660 VAC $\pm 10~\%$

three phases

50 / 60 Hz \pm 5 %

approx. 0,95 ind. at full load circuit feedback <10%

230 - 440 VDC (programmable) max. 1200 A (programmable) ±1% static 94% at full load max. 2 % effective B12C

0°C up to +40°C -10°C up to +50°C for container < 95 %, no condensation IP 20 resp. IP 54 for container permanent operation SHORE CONNECTION RECTIFIER for external DC supply for various types of submarines.

DIFFERENT DESIGNS as standard versions in control cabinets or as container solution

- REMOTE CONTROL FEASIBLE

COMFORTABLE OPERATION

- CUSTOMISED MANUFACTU-RING

LOW-NOISE

DIGITAL PROGRAMMING according t the respective type of submarine

Fig..1 Wärtsilä JOVYREC HC16PS electronics





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www.jovyatlas.com/Rectifiers