

## **STADT STASCHO DIESEL- ELECTRIC PROPULSION**

### **MS "SANCO STAR"**



<b>SHIP TYPE</b>	:	<b>SEISMIC RESEARCH VESSEL, DNV, ATR , RP</b>
<b>FULL D.E.- PROPULSION</b>	:	<b>STADT STASCHO 2 x 2500 kW 690 V .</b> Low system loss ( 5 % ) Full Electric propulsion system. Low THD ( 3 % ) without power transformers. Patented Sinus technology, no EMC generated .
<b>MAIN PROP. MOTORS</b>	:	<b>SCHORCH KU 2 x 2500 kW 690 V</b>
<b>PROPELLER SYSTEM</b>	:	<b>FINNØY CP 2 x 2500 kW</b>
<b>DIESEL GENERATORS</b>	:	<b>ABC and AVK 3 x 1650 kW 690 V</b>
<b>MAIN SWITCHBORDS</b>	:	<b>STADT EPL 690 V, 440 V and 230 V</b>
<b>POWER MANAGEMENT</b>	:	<b>STADT , with Load Reduction Control</b>
<b>THRUSTERS</b>	:	<b>BRUNVOLL 3 x 700 kW CP</b>
<b>EL. MOTORS</b>	:	<b>SCHORCH HB Water Jacket Cooled 700 kW</b>
<b>STARTERS</b>	:	<b>STADT Softstarters 700 kW 690 V</b>
<b>DISTRIBUTION TRAFOS</b>	:	<b>STADT TT, IP 23, 690-440-230 V</b>
<b>SEISMIC COMPRESSORS</b>	:	<b>NEUMANN ESSER 2 x 1100 kW</b>
<b>EL. MOTORS</b>	:	<b>SCHORCH HB Water Jacket Cooled 1100 kW</b>
<b>EL . DRIVES FC</b>	:	<b>STADT FC T Inverter 1100 kW 690 V</b>

More pictures on the next pages.



## MAIN PROPULSION ARRANGEMENT

**SCHORCH** ELECTRIC MOTOR 2500 kW

**FINNØY** GEAR AND  
PROPELLER SHAFT.

**FROM BOW THRUSTER ROOM :**

**STADT** SOFTSTARTER CABINET  
FOR BRUNVOLL THRUSTER

**SCHORCH** ELECTRIC MOTOR- HB  
WATERCOOLED 700 kW 1200 rpm





**STADT STASCHO LOCAL CONTROL**



**CONTROL ROOM PANELS STASCHO**



**POWER MANAGEMENT SYSTEM**



**FROM MAIN SWITCHBOARD ROOM**



**SCHORCH MOTOR FOR  
SEISMIC COMPRESSORS**