

# STADT STASCHO

NO LOSS AC MOTOR DRIVES



POWER TECHNOLOGY

For marine and industrial applications

STADT STASCHO is specially developed for marine propulsion systems, where it is used together with controllable pitch propellers.

Power range LV	: 100 kW - 25 MW
Power range MV	: 100 kW - 100 MW
Voltage	: 230 V - 15 kV
Drive technology	: Sinusoidal
Input frequency	: 50-60 Hz
Power losses	: No loss, < 0,03 %
Cooling system	: Air, in some models water
Mounting	: Floor
Mains harmonics	: Less than 2 % THD
Motor voltage	: Sinusoidal
Motor types	: Asynchronous*
Protection	: IP23 or higher
Inrush current	: Low, suitable for weak mains
Estimated lifetime	: >25 years
MTBF	: 7 Years
MTRR	: 2 Hours
Ambient	: Up to 40 °C
Approvals	: DNV and NMD, other on request
Patents	: Patented by STADT AS
Configuration	: Available in different types of configurations See separate datasheets



STADT STASCHO supplies sinusoidal voltage and current to the electric motor and back to the main switchboard. This gives very low harmonic disturbances without using transformers or filters.

## Advantages

- Reduced fuel consumption
- Reduced electric losses in systems
- Reduced NO<sub>x</sub>, SO<sub>x</sub> and CO<sub>2</sub> emission
- Reduced maintenance and high redundancy
- Reduced noise and no EMC problems
- Highly reliable, compact system
- No transformers needed

## STADT AS

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\*Synchronous as option

# STADT STASCHO

PRODUCT RANGE



POWER TECHNOLOGY

Power range: 100 kW - 100 MW  
Voltage range: 230 V - 15 kV

Sinus control for AC motors  
All models without line transformers

KW	HP	230 V	400 V	690 V	1000 V	2300 V	3300 V	4160 V	6600 V	10 kV	11 kV	13 kV	15 kV
100	136	X	X	X	X								
300	408	X	X	X	X								
500	680	X	X	X	X	X	X	X	X	X	X	X	X
1000	1360	X	X	X	X	X	X	X	X	X	X	X	X
1500	2040	X	X	X	X	X	X	X	X	X	X	X	X
2000	2720	X	X	X	X	X	X	X	X	X	X	X	X
2500	3400		X	X	X	X	X	X	X	X	X	X	X
3000	4080		X	X	X	X	X	X	X	X	X	X	X
3500	4760		X	X	X	X	X	X	X	X	X	X	X
4000	5440		X	X	X	X	X	X	X	X	X	X	X
4500	6120		X	X	X	X	X	X	X	X	X	X	X
5000	6800		X	X	X	X	X	X	X	X	X	X	X
5500	7480		X	X	X	X	X	X	X	X	X	X	X
6000	8160		X	X	X	X	X	X	X	X	X	X	X
7000	9520		X	X	X	X	X	X	X	X	X	X	X
8000	10880		X	X	X	X	X	X	X	X	X	X	X
9000	12240		X	X	X	X	X	X	X	X	X	X	X
10000	13600		X	X	X	X	X	X	X	X	X	X	X
11000	14960			X	X	X	X	X	X	X	X	X	X
12000	16320			X	X	X	X	X	X	X	X	X	X
13000	17680			X	X	X	X	X	X	X	X	X	X
14000	19040			X	X	X	X	X	X	X	X	X	X
15000	20400			X	X	X	X	X	X	X	X	X	X
16000	21760			X	X	X	X	X	X	X	X	X	X
17000	23120			X	X	X	X	X	X	X	X	X	X
18000	24480			X	X	X	X	X	X	X	X	X	X
19000	25840			X	X	X	X	X	X	X	X	X	X
20000	27200			X	X	X	X	X	X	X	X	X	X
21000	28560				X	X	X	X	X	X	X	X	X
22000	29920				X	X	X	X	X	X	X	X	X
23000	31280					X	X	X	X	X	X	X	X
24000	32640					X	X	X	X	X	X	X	X
25000	34000					X	X	X	X	X	X	X	X
26000	35360					X	X	X	X	X	X	X	X
27000	36720					X	X	X	X	X	X	X	X
28000	38080					X	X	X	X	X	X	X	X
29000	39440					X	X	X	X	X	X	X	X
30000	40800					X	X	X	X	X	X	X	X
32000	43520					X	X	X	X	X	X	X	X
34000	46240					X	X	X	X	X	X	X	X
36000	48960						X	X	X	X	X	X	X
38000	51680						X	X	X	X	X	X	X
40000	54400							X	X	X	X	X	X
42000	57120							X	X	X	X	X	X
44000	59840								X	X	X	X	X
46000	62560								X	X	X	X	X
48000	65280								X	X	X	X	X
50000	68000								X	X	X	X	X

Other power ratings and voltages will be available on request, up to 100 MW.