

# STADT DN SOFT STARTER

Digital soft starter

8 - 3000A, 220 - 1200V



POWER TECHNOLOGY

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The STADT DN is a heavy duty, advanced, highly reliable Soft Starter. Designed to operate under severe conditions starting the most demanding applications, such as those in Marine, Mining and Industry installations. Advanced features such as pump control, slow speed, electronic reverse and enhanced motor protection make it one of the best and most popular soft starters in the industry.

## Advanced Features

- Robust construction
- Highly advanced starting & stopping characteristics
- User friendly set up and operation
- Line or Inside delta connection
- Ambient operating temperature: up to 60°C
- Motor insulation tester
- Communication: Modbus, Profibus, DeviceNet
- Thermistor input
- Analog output
- 45-65Hz Auto-tracking frequency range
- Can be operated without bypass contactor at 50°C up to 820A
- Designed to meet Marine Industry standards



## Comprehensive Protection Package

- Too many starts & start inhibit time
- Long start time (Stall protection)
- Shear pin (jam) with adjustable delay
- Electronic overload with selectable curves
- Under current
- Phase loss
- Phase sequence and Under/Over frequency
- Under/Over voltage
- Load loss (motor not connected)
- External fault
- Shorted SCR
- Starter over temperature protection
- Motor insulation test (option)
- Motor thermistor (option)
- When using "Preparation for Bypass" all protections remains active

## Soft Start and Soft Stop Functions

- Soft, stepless acceleration & deceleration
- Current limiting
- Torque & current control - for optimized acceleration and deceleration
- Pump control program
- Dual adjustment - two start/stop characteristics
- Slow speed with electronic reverse
- Pulse start
- Soft Stop Functions

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## 8-3000A, 220-690V

Size	Rated Current (A)	Motor kW @400V	Motor kW @690V	Unit Dimensions (mm)			Weight (kg)
				H	W	D	
A	8	4	8	310	153	170	4.5
	17	7.5	17				
	31	15	31				6.0
	44	22	44				
	58	30	58				
B	72	37	72	310	153	217	7.5
	85	45	85				
	105	55	105				
	145	75	145				
	170	90	170				
C	210*	110	210	455	380	292	32
	310*	160	310				
	390*	200	390				
D	460*	250	460	555	380	292	39
	580	315	580				
	820	450	820				
	950	560	950				
	1100	630	1100				
E	1400	800	1400	1100	723	370	170
	1800	950	1800				
	2150	1250	2150				
F	2400	1400	2400	1300	750	392	240
	2700	1575	2700				
G	3000	1750	3000	1300	900	410	350

\* Dimensions differ with Marine approvals.

(Cosφ=0,86)

## 105-580A, 1000-1200V

Size	Rated Current (A)	Unit Dimensions (mm)			Weight (kg)
		H	W	D	
H	105	400	325	300	20
I	170	500	592	345	55
	210				
	310				
	390				
J	460	530	592	345	60
	580				
	869	625	336	85	

## How To Order

Example:

