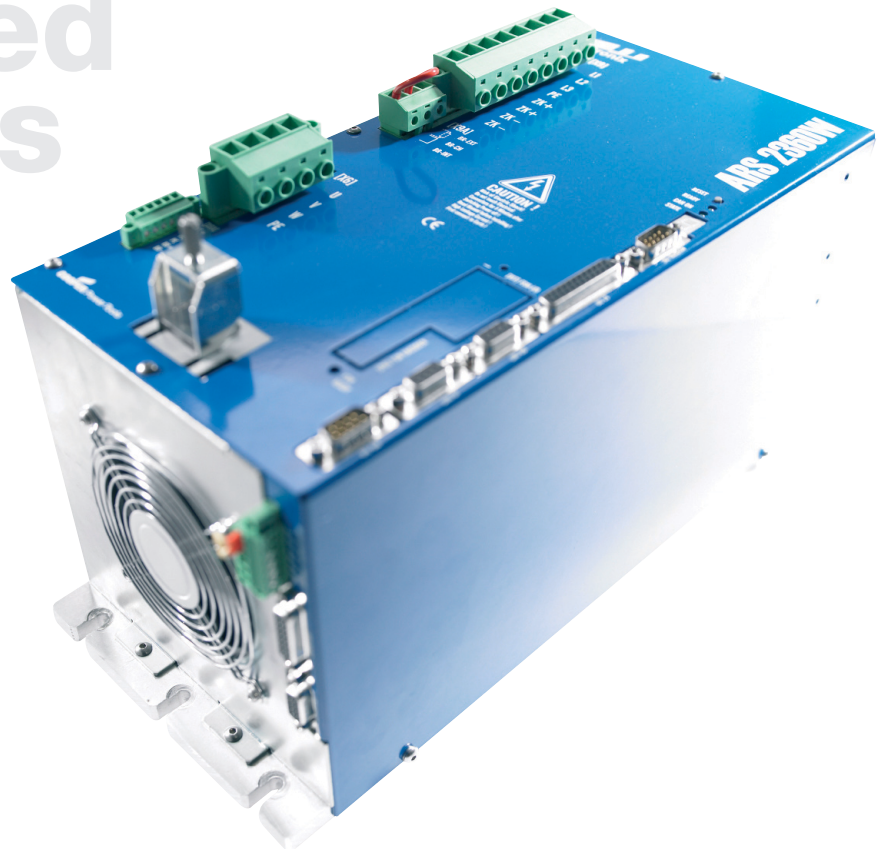


in servo

water-cooled applications

- ▶ Less construction depth
- ▶ Higher power loss dissipation
- ▶ Higher currents possible, particularly at high power stage clock frequency (10 kHz or more)
- ▶ Less heat dissipation to the switching cabinet's internal air
- ▶ Less noise development



open concepts

**Universal servo positioning controller
ARS 2320 W and ARS 2360W for the
use in water-cooled applications**

Technical data

Type	ARS 2320W	ARS 2360W
Voltage supply	3x 230...480 V AC [\pm 10%], 50...60 Hz	
Alternative DC-supply	60...700 VDC	
Control supply voltage	24 VDC [\pm 20%]	
DC link voltage	560 VDC	
Clock frequency	Variable clock frequency up to 12,5 kHz data for operation at an 3x 400 VAC, 50 Hz, $f_{\text{clock}} = 7,5$ kHz	
Output power	12 kVA	20 kVA
Max. power up to 3 s	25 kVA	50 kVA
Rated current	20 A _{eff}	40 A _{eff}
Peak current up to 3 s	50 A _{eff}	120 A _{eff}
Internal brake resistor	47 Ω	23,5 Ω
Rated/pulse power	110 W / 12 kW	220 W / 23 kW
External brake resistor	$30\Omega \leq R_{\text{Extern}} \leq 100 \Omega$	$18\Omega \leq R_{\text{Extern}} \leq 75 \Omega$
Brake	24 VDC, max. 2 A	
Dimensions basic unit w x h x d	330 x 84 x 170 mm	330 x 164 x 170 mm
Weight	ca. 5,5 kg	ca. 9 kg
Order number	9200-2320-10	9200-2360-10
Power Connector Set	9003-0280-01	9003-0280-02
Signal Connector Set	9200-0200-00	9200-0200-00

Type	ARS 2320W			ARS 2360W (Current derating as a function of the PWM frequency)		
Power stage clock frequency	5 kHz	10 kHz	12,5 kHz	5 kHz	10 kHz	12,5 kHz
Rated current	20 A _{eff}	20 A _{eff}	20 A _{eff}	60 A _{eff}	55 A _{eff}	50 A _{eff}
Maximum current	50 A _{eff}	50 A _{eff}	50 A _{eff}	120 A _{eff}	110 A _{eff}	100 A _{eff}



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