

6. Technical data (input voltage 3 x 380...460V)

	Inverter		ACM D2					
			7.5kW	11.0kW	15.0kW	22.0kW	30.0kW	37.0kW
Inverter output data	Motor output	kW	7.5	11.0	15.0	22.0	30.0	37.0
	Output power	kVA	11	16.5	22.5	33	45	55
	Rated device current	A	15.6	22.5	30	43	58	71
	Overload capacity	%	200% × 180 s (+/-15%)					
	Output voltage (max. = mains voltage)	V	3 x 0...U _{IN}					
	Output frequency	Hz	0...650 Hz (0...1300Hz vers. D2A-1300-xxx)					
	Electrical efficiency	%	> 95%					
	Operating mode		4-quadrant operation (with braking chopper)					
Mains input	Mains voltage	V	3 x 380...460V, (-15% +10%)					
	Mains frequency	Hz	40...70 Hz					
Control data	Modulation method		PWM					
	Modulation frequency	kHz	4		3			
	Speed reference		0...10V DC; (10...0V DC); -10V...0...10V DC 0...20mA; 4...20mA External potentiometer (4K7); Keypad (JOG mode) Motorpotentiometer ((mode JOG MPt) only with softw. D2A-STD) RS485 (CAN on request)					
	Frequency resolutions	Hz	9 Bit of maximum frequency					
	Acceleration/ deceleration time	Sec.	0.01...1000 sec.					
	Maximum frequency	Hz	0...650 Hz (0...1300Hz vers. D2A-1300-xxx)					
	Minimum frequency		0...F _{max}					
	DC brake		Standard					
	Braking chopper		Standard					
Protective functions	Undervoltage trip level	V	280V AC / 395V DC					
	Overvoltage trip level	V	537V AC / 760V DC					
	Short circuit		Electronically controlled					
	Overcurrent		Electronically controlled					
	Overtemperature		Monitoring of heat sink temperature					
	Programming block		Definable security code					
	Start block		Definable AUTOSTART function					
Ambient conditions	Ambient temperature	°C	From -5 °C to 45 °C					
	Storage temperature	°C	From -20 °C to 60 °C					
	Humidity	%	< 90% RH, non-condensing					
	EMC		Installed EMC-filter; limit class "A" according to EN 61800-3 (See page 17)					
	Degree of protection	IP	IP 20					
	Weight, approx.	kg	8.5	8.7	21	21	22	26