



ASD-B2-0421-B



ASD-A2-0421-M



ECMA-C21010RS



ECMA-E11315RS

ASD servo drives (200W - 15kW) high precision, total control

- Speed, Torque and position modes
- Digital keypad for parameter input and operational data
- External Pulse input control , 200kpps Open Collector and 500 k / 4M kpps Line driver
- ASD-A2 and B2 servo drives can be used with 17bit (160.000ppr) or 20 bit (1.280.000 ppr) servo motors

type	input power	input power	bandwidth	description
B2 series - Econo servo drives (Modbus communication)				
• Digital - 9x Inputs 6x Outputs / Analog - 2x I/O's				
ASD-B2-0221-B	200W	220V 1ph	550Hz	B2 series econo servo drives
ASD-B2-0421-B	400W	220V 1ph	550Hz	B2 series econo servo drives
ASD-B2-0721-B	700W	220V 1ph	550Hz	B2 series econo servo drives
ASD-B2-1021-B	1.0kW	220V 1ph	550Hz	B2 series econo servo drives
ASD-B2-1521-B	1.5kW	220V 1ph	550Hz	B2 series econo servo drives

A2 series - Advanced servo drives (Modbus, CANopen, USB communication)

- Flexible position register control Mode PR mode
- Digital - 9x Inputs 5x Outputs / Analog - 2x I/O's

ASD-A2-0121-M	100W	220V 1ph	1kHz	A2 high advanced servo drives
ASD-A2-0221-M	200W	220V 1ph	1kHz	A2 high advanced servo drives
ASD-A2-0421-M	400W	220V 1ph	1kHz	A2 high advanced servo drives
ASD-A2-0721-M	750W	220V 1ph	1kHz	A2 high advanced servo drives
ASD-A2-1021-M	1.0kW	220V 1ph	1kHz	A2 high advanced servo drives
ASD-A2-1521-M	1.5kW	220V 1ph	1kHz	A2 high advanced servo drives
ASD-A2-2043-M	2.0kW	400V 3ph	1kHz	A2 high advanced servo drives
ASD-A2-3043-M	3.0kW	400V 3ph	1kHz	A2 high advanced servo drives
ASD-A2-4543-M	4.5kW	400V 3ph	1kHz	A2 high advanced servo drives
ASD-A2-5543-M	5.5kW	400V 3ph	1kHz	A2 high advanced servo drives
ASD-A2-7543-M	7.5kW	400V 3ph	1kHz	A2 high advanced servo drives
ASD-A2R-1B43-M	11.0kW	400V 3ph	1kHz	A2 high advanced servo drives
ASD-A2R-1F43-M	15.0kW	400V 3ph	1kHz	A2 high advanced servo drives

ECMA Motors (for above servo drives)

type	rated			dimensions (mm)		
	output power	RPM	torque Nm	PCD	flange	shaft Ø

Econo servo motors - 17 bit

ECMA-C20401RS	100W	3000	0.32	46	40 x 40	8
ECMA-C20602RS	200W	3000	0.64	70	60 x 60	14
ECMA-C20604RS	400W	3000	1.27	70	60 x 60	14
ECMA-C20807RS	750W	3000	2.39	90	80 x 80	19
ECMA-C21010RS	1.0kW	3000	3.18	115	100 x 100	22
ECMA-E21315RS	1.5kW	3000	7.16	145	130 x 130	22

With built-in (24 VDC) brake

ECMA-C20401SS	100W	3000	0.32	46	40 x 40	8
ECMA-C20604SS	400W	3000	1.27	70	60 x 60	14

High resolution servo motors - 20 bit superior resolution encoder (1.280.000 pulses/revolution)

ECMA-C10604RS	400W	3000	1.27	70	60 x 60	14
ECMA-C10807RS	750W	3000	2.39	90	80 x 80	19
ECMA-C11010RS	1.0kW	3000	3.18	115	100 x 100	22
ECMA-E11315RS	1.5kW	2000	7.16	145	130 x 130	22

ECMA-K11320RS	2.0kW	2000	9.55	145	130 x 130	22
ECMA-L11830RS	3.0kW	1500	19.10	200	180 x 180	35
ECMA-L11845RS	4.5kW	1500	28.65	200	180 x 180	35
ECMA-L11855R3	5.5kW	1500	35.00	200	180 x 180	42
ECMA-L11875R3	7.5kW	1500	47.74	200	180 x 180	42
ECMA-L1221BR3	11kW	1500	70.00	235	220 x 220	42
ECMA-L1221FRS	15kW	1500	95.40	235	220 x 220	55

With built-in (24 VDC) brake

ECMA-C10807SS	750W	3000	2.36	90	80 x 80	19
ECMA-C11010SS	1.0kW	3000	3.18	115	100 x 100	22
ECMA-E11315SS	1.5kW	2000	7.16	145	130 x 130	22

ECMA-K11320SS	2.0kW	2000	9.55	145	130 x 130	22
ECMA-L11830SS	3.0kW	1500	19.10	200	180 x 180	35
ECMA-L11845SS	4.5kW	1500	28.65	200	180 x 180	35

new



WAB...



WPFR...



ASD-CAPW...



ASD-CAEN...

Gearboxes for ECMA series servo motors

- Low noise, helical gears allows for smooth and quite gear meshing
- Planetary wheel with needle design increases the contact area to improve the rigidity and output torque
- Synthetic lubricating grease and sealed IP65 design requires no maintenance during the products lifetime
- Gears are carburized and quenched to HRC62 with low carbon steel surface for optimum wear and impact toughness

type	ECMA motor	ratio	rated torque	backlash arcmin	dimensions (mm)		
					PCD	flange	shaft Ø
Straight gearboxes (helical gears)							
WAB-060-005-K-P1	200 - 400W	5:1	60	≤3	70	60 x 60	16
WAB-060-007-K-P1	200 - 400W	7:1	50	≤3	70	60 x 60	16
WAB-060-010-K-P1	200 - 400W	10:1	40	≤3	70	60 x 60	16
WAB-090-003-K-P1	750W	3:1	130	≤3	100	90 x 90	22
WAB-090-007-K-P1	750W	7:1	140	≤3	100	90 x 90	22
WAB-115-003-K-P1	1.5 - 2kW	3:1	208	≤3	130	115 x 115	32
WAB-142-003-K-P1	3 - 4.5kW	3:1	342	≤3	165	142 x 142	40

Angle gearboxes (spur gears)							
WPFR-060-005-K-P2	200 - 400W	5:1	40	≤15	70	60 x 60	14
WPFR-060-007-K-P2	200 - 400W	7:1	20	≤15	70	60 x 60	14
WPFR-060-010-K-P2	200 - 400W	10:1	12	≤15	70	60 x 60	14
WPFR-090-003-K-P2	750W	3:1	40	≤15	100	92 x 92	20
WPFR-090-007-K-P2	750 W	7:1	40	≤15	100	92 x 92	20
WPFR-120-003-K-P2	1.5 - 2kW	3:1	125	≤15	130	120 x 120	35

Note: Other ratios, frame sizes and precision options available on request.

Servo drive and motor accessories

ASD-CN5C0050	50 pin solder plug	for series	ASD-A2
ASD-IF-SC5020	20 pin adaptor, push in term.	for series	ASD-A2
ASD-BM-50A	50 pin breakout board	for series	ASD-A2
UC-CMC003-01A	CANopen comms cable RJ45 (0,3m)	for series	ASD-A2
UC-CMC010-01A	CANopen comms cable RJ45 (1m)	for series	ASD-A2
TAP-CN03	Canopen distribution box	for series	ASD-A2
UC-PRG030-02A	USB type A - USB type B	for series	ASD-A2
ASD-CARS0003	9 pin D-SUB female - Firewire	for series	ASD-A2/B2
ASD-CNIE0B06	RS-485 Splitter 2x RJ45	for series	ASD-A2/B2
ASD-CNUS0A08	USB type A - Firewire	for series	ASD-B2
ASDBCND50044	D-SUB 44 Pin solder plug	for series	ASD-B2

ASDA and ECMA connecting cables

type	ECMA range	power	encoder	brake	for drive series	cable length
		cable	cable	motor		
ASDBCAPW0000	100 - 750W	•	•	•	ASD-A2	plug
ASD-ABEN0000	100 - 750W	—	•	•	ASD-A2	plug
ASD-ABEN0003	100 - 750W	—	•	•	ASD-A2	3m
ASD-ABPW0005*	100 - 750W	•	—	—	ASD-A2	5m
ASD-ABPW0105	100 - 750W	•	—	•	ASD-A2	5m
ASD-ABEN0005*	100 - 750W	—	•	•	ASD-A2	5m
ASD-CAPW1000	1kW	•	—	•	ASD-A2	plug
ASD-CAEN1000	1 - 15kW	—	•	•	ASD-A2	plug
ASD-CAPW1005*	1kW	•	—	—	ASD-A2	5m
ASD-CAPW1105	1kW	•	—	•	ASD-A2	5m
ASD-CAEN1005*	1 - 15kW	—	•	•	ASD-A2	5m
ASD-CAPW1205	2kW	•	—	—	ASD-A2	5m
ASD-CAPW1305	2kW	•	—	•	ASD-A2	5m
ASD-CAPW2205	3 - 5.5kW	•	—	—	ASD-A2	5m
ASD-CAPW3205	7.5kW	•	—	—	ASD-A2	5m
ASD-CAPW4000	11 - 15kW	•	—	•	ASD-A2	plug
ASD-CAPW4505	11kW	•	—	—	ASD-A2	5m
ASD-CAPW4605	15kW	•	—	—	ASD-A2	5m
ASDBCAPW0000	100 - 750W	•	—	—	ASD-B2	plug
ASDBCEN0000	100 - 750W	—	•	•	ASD-B2	plug
ASDBCAPW0205*	100 - 750W	•	—	—	ASD-B2	5m
ASDBCEN0005*	100 - 750W	—	•	•	ASD-B2	5m
ASD-CAPW1000	1 - 1.5kW	•	—	•	ASD-B2	plug
ASDBCEN1000	1 - 1.5kW	—	•	•	ASD-B2	plug
ASDBCAPW1205	1 - 1.5kW	•	—	—	ASD-B2	5m
ASDBCEN1005	1 - 1.5kW	—	•	•	ASD-B2	5m

* For 3m length cables, replacement (5) with 3