

JetMove-2xxx series Servo amplifier

Product Brief

The servo amplifiers of the JetMove 2000 series are modular by design and can be extended. The major types of servo amplifier of the JetMove 2000 series is available with a choice of 1- or 2-axis modules. High rated currents and triple peak currents guarantee highly dynamic acceleration processes. Bus connection is via EtherCAT®.

Product features

- Modular design
- Compact design
- Built-in brake resistors and line filters (R2)
- Up to 2 axis modules per device
- High positioning accuracy
- EtherCAT® bus connection
- Integrated safety technology (S1)
- Simple commissioning

Options

- Analog HIPERFACE encoder (2-cable technology)
- Resolver (2-cable technology)
- HIPERFACE DSL (1-cable technology)
- EnDat 2.2, 6 cores (2-cable technology)

Accessories

- Pre-assembled servo cables (motor and encoder with KAY_14xx_xxxx)
- Connector sets
- External brake resistors
- Spare fitting panel
- Spare motor cable fastening and shielding bracket



JetMove-2xxx series

Technical specifications

	JM-2203-S1	JM-2403-S1
Rated power	0.55 kW (1x AC 230 V); 1.1 kW (3x AC 230 V)	1.5 kW
Mains voltage	1/3x AC 230 V, AC 184 V ... AC 240 V +10%	3x AC 380 V -15% ... 3x AC 480 V +10%
Rated current (eff.)	3 A	
Peak current (eff.)	9 A (3s), 6 A (60s)	
Brake resistor	70 W	
Safety	STO+ SBC(PL "e" to DIN ISO 13849-1; SIL3 to IEC 61508), 4*DI (2STO+2SBC), 1*DO (motor holding brake X21, 3 A)	
Encoder interface(s)	HIPERFACE (analog 8 cores), HIPERFACE DSL (digital 2-wire) or resolver	
Inputs/outputs	4 DI	
Communication	EtherCAT®	
Integrated	Brake resistor, fan, line filter	
Cooling concept	Air-cooled	
Rated data relative to	1/3x AC 230 V, 40 °C, 8 kHz	3x AC 400 V, 40 °C, 8 kHz
Dimensions (W x H x D)	60 x 266 x 229 mm	

Further details and order information are available on request. Specifications are subject to change without notice. Errors and omissions excepted.

	JM-2206-S1	JM-2406-S1
Rated power	1.1 kW (1x AC 230 V); 1.5 kW (3x AC 230 V)	2.2 kW
Mains voltage	1/3x AC 230 V, AC 184 V ... AC 240 V +10%	3x AC 380 V -15% ... 3x AC 480 V +10%
Rated current (eff.)	6 A	
Peak current (eff.)	18 A (3s), 12 A (60s)	
Brake resistor	140 W	
Safety	STO+ SBC(PL "e" to DIN ISO 13849-1; SIL3 to IEC 61508), 4*DI (2STO+2SBC), 1*DO (motor holding brake X21, 3 A)	
Encoder interface(s)	HIPERFACE (analog 8 cores), HIPERFACE DSL (digital 2-wire) or resolver	
Inputs/outputs	4 DI	
Communication	EtherCAT®	
Integrated	Brake resistor, fan, line filter	
Cooling concept	Air-cooled	
Rated data relative to	1/3x AC 230 V, 40 °C, 8 kHz	3x AC 400 V, 40 °C, 8 kHz
Dimensions (W x H x D)	60 x 321 x 229 mm	

Further details and order information are available on request. Specifications are subject to change without notice. Errors and omissions excepted.

	JM-2410-S1	JM-2414-S1	JM-2423-S1
Rated power	4 kW	5.5 kW	9.2 kW
Mains voltage	3x AC 380 V -15% ... 3x AC 480 V +10%		
Rated current (eff.)	9.5 A	14 A	23 A
Peak current (eff.)	28.5 A (3s), 19 A (60s)	42 A (3s), 28 A (60s)	69 A (3s), 46 A (60s)
Brake resistor	140 W		
Safety	STO+ SBC(PL "e" to DIN ISO 13849-1; SIL3 to IEC 61508), 4*DI (2STO+2SBC), 1*DO (motor holding brake X21, 3 A)		
Encoder interface(s)	HIPERFACE (analog 8 cores), HIPERFACE DSL (digital 2-wire) or resolver		
Inputs/outputs	4 DI		
Communication	EtherCAT®		
Integrated	Brake resistor, fan, line filter		
Cooling concept	Air-cooled		
Rated data relative to	3x AC 400 V, 40 °C, 8 kHz		
Dimensions (W x H x D)	60 x 321 x 229 mm	80 x 321 x 243 mm	80 x 321 x 243 mm

Further details and order information are available on request. Specifications are subject to change without notice. Errors and omissions excepted.

JetMove-2xxx series

Technical specifications

	JM-D2203-S1	JM-D2403-S1
Rated power	2x 0.55 kW (1x AC 230 V); 2x1.1 kW (3x AC 230 V)	2x 1.5 kW
Mains voltage	1/3x AC 230 V, AC 184 V ... AC 240 V +10%	3x AC 380 V -15% ... 3x AC 480 V +10%
Rated current (eff.)	2x 3 A	
Peak current (eff.)	2x9 A (3s), 2x 6 A (60s)	
Brake resistor	140 W	
Safety	STO+ SBC(PL "e" to DIN ISO 13849-1; SIL3 to IEC 61508), 8*DI (4STO+4SBC), 2*DO (motor holding brake X21-X22, 3 A)	
Encoder interface(s)	HIPERFACE (analog 8 cores), HIPERFACE DSL (digital 2-wire) or resolver	
Inputs/outputs	8 DI	
Communication	EtherCAT®	
Integrated	Brake resistor, fan, line filter	
Cooling concept	Air-cooled	
Rated data relative to	3x AC 230 V, 40 °C, 8 kHz	3x AC 400 V, 40 °C, 8 kHz
Dimensions (W x H x D)	60 x 321 x 229 mm	

Further details and order information are available on request. Specifications are subject to change without notice. Errors and omissions excepted.

	JM-D2406-S1	JM-D2410-S1
Rated power	2x2.2 kW	2x 4 kW
Mains voltage	3x AC 380 V -15% ... 3x AC 480 V +10%	
Rated current (eff.)	2x 6 A	2x 9.5 A
Peak current (eff.)	2x18 A (3s), 2x 12 A (60s)	2x 28.5 A (3s), 2x 19 A (60s)
Brake resistor	140 W	
Safety	STO+ SBC(PL "e" to DIN ISO 13849-1; SIL3 to IEC 61508), 8*DI (4STO+4SBC), 2*DO (motor holding brake X21-X22, 3 A)	
Encoder interface(s)	HIPERFACE (analog 8 cores), HIPERFACE DSL (digital 2-wire) or resolver	
Inputs/outputs	8 DI	
Communication	EtherCAT®	
Integrated	Brake resistor, fan, line filter	
Cooling concept	Air-cooled	
Rated data relative to	3x AC 400 V, 40 °C, 8 kHz	
Dimensions (W x H x D)	60 x 321 x 229 mm	80 x 321 x 243 mm

Further details and order information are available on request. Specifications are subject to change without notice. Errors and omissions excepted.

Item number

Typ	Resolver	HIPERFACE	HIPERFACE DSL
230V-JetMoves single			
JM-2203	10002157	10002160	10002159
JM-2206	10002161	On request	On request
230V-JetMoves double			
JM-D2203	10002200	On request	On request
JM-D2206	On request	On request	On request
400V-JetMove single			
JM-2403	10002066	On request	On request
JM-2406	10002197	On request	On request
JM-2410	10002071	On request	On request
JM-2414	10002072	On request	On request
JM-2423	10002154	On request	On request
400V-JetMove double			
JM-D2403	10002073	On request	On request
JM-D2406	10002199	On request	On request
JM-D2410	10002074	On request	On request

Encoder options

- 10002124 - JM-2000-S1A for analog HIPERFACE encoder (2-cable technology)
- 10002125 - JM-2000-S1R for resolver (2-cable technology)
- 10002126 - JM-2000-S1H for HIPERFACE DSL® encoder featuring 2-wire design (2-cable technology)
- 10002127 - JM-2000-S1E6 for EnDat 2.2, 6 cores (2-cable technology)
- 10002372 - JM-2000-S1I for inkremental (2-cable technology)
- 10002138 - JM-2000-S2H for JM-2000-S2 (FSOE) HIPERFACE DSL® (in preparation)
- 10002123 - JM-2000-S2R for JM-2000-S2 (FSOE) resolver (in preparation)

Accessories | Spare part (connector sets, fitting panels)

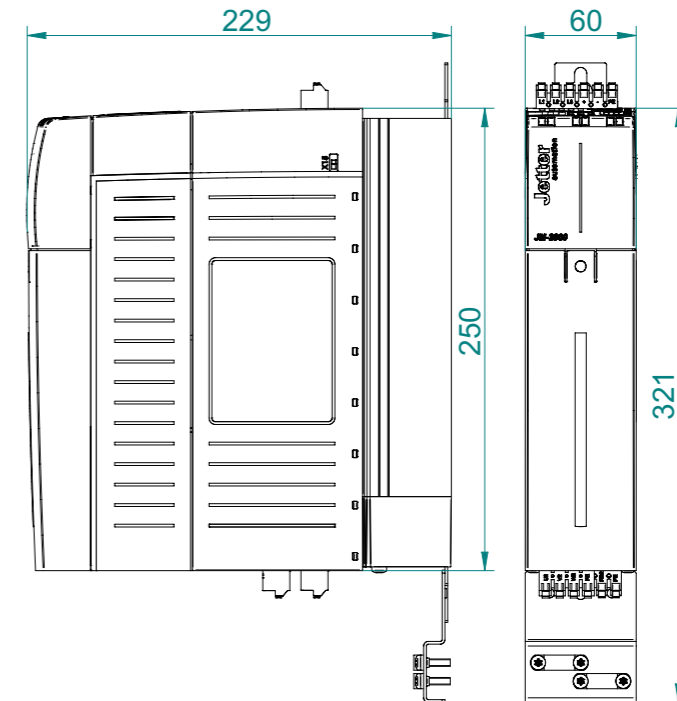
- 60886077_00 - Connector set IO+S1 terminals single drives
- 60886093_00 - Connector set IO+S1 terminals double drives
- 60886078_00 - Connector set IO+S2 terminals single drives
- 60887094_00 - Connector set IO+S2 terminals double drives
- 60886080_00 - Connector set power terminals single size 1
- 60886081_00 - Connector set power terminals single size 2
- 60886084_00 - Connector set power terminals single size 3
- 60886083_00 - Connector set power terminals double size 2
- 60886085_00 - Connector set power terminals double size 3
- 60885886_00 - Fitting panel (top)
- 60885603_00 - Fitting panel (bottom)
- 60886090_00 - Motor cable fastening+shielding set

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Optional external brake resistor

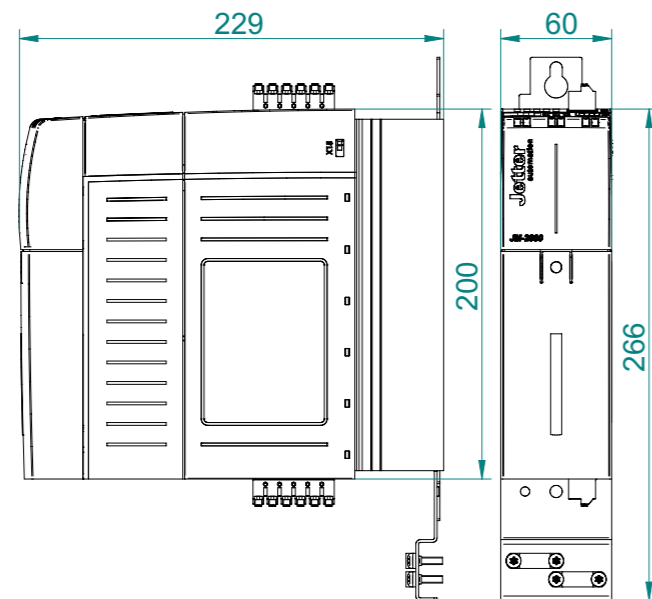
Typ	Rated watt	Item number	Description
JM-2203, JM-2403	200	60880282_01	JBR090.02.540-UR
JM-2406, JM-2410, JM-2414, JM-2423, JM-D2403, JM-D2406, JM-D2410	150	60880604_00	JBR039.02.540-UR
JM-D2206	150	60880605_00	JBR020.02.540-UR
JM-2203, JM-2403	300	60880283_01	JBR090.03.540-UR
JM-2206	300	60880285_01	JBR026.03.540-UR
JM-2406, JM-2410, JM-2414, JM-2423, JM-D2403, JM-D2406, JM-D2410	300	60880606_00	JBR039.03.540-UR
JM-D2206	300	60880607_00	JBR020.03.540-UR
JM-2203, JM-2403	1000	60880283_01	JBR090.03.540-UR
JM-2206	1000	60880286_01	JBR026.10.201-UR
JM-2406, JM-2410, JM-2414, JM-2423, JM-D2403, JM-D2406, JM-D2410	1000	60880608_00	JBR039.10.201-UR
JM-D2206	1000	60880609_00	JBR020.10.201-UR
JM-2206	2000	60880148_01	JBR026.20.201-UR
JM-2406, JM-2410, JM-2414, JM-2423, JM-D2403, JM-D2406, JM-D2410	2000	60880610_00	JBR039.20.201-UR
JM-D2206	2000	60880611_00	JBR020.20.201-UR

Size 2



Dimensional Drawings

Size 1



Size 3

