BUCHER automation

JetMove 2xxx series

Servo amplifier



- Single or double axes
- Compact and flexible mounting
- EtherCAT® bus connection
- STO (S1) integrated as standard (certification in progress)
- Installed braking resistor (R1)
- Encoder evaluation pluggable depending on the position encoder installed in the motor: Resolver (R); HIPERFACE® and SinCos (A); EnDat™ digital (E6); Incremental (I); HIPERFACE DSL® (H)
- Motor temperature sensor evaluation e.g. switch, PTC, KTY83-110, PT-1000
- High positioning accuracy
- Easy commissioning via EtherCAT®, JetSym and JetControl

Description

The servo amplifiers of the JetMove 2000 series are available as single axes or double axes which can be mounted in any order on a mounting plate to control synchronous servo motors.

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

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	3 A
Peak current (eff.)	9 A (3s), 6 A (60s)	9 A (3s), 6 A (60s)
Brake resistor	70 W	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)	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	HIPERFACE® (analog 8 cores), HIPERFACE DSL® (digital 2-wire) or resolver
Inputs/outputs	4 DI	4 DI
Communication	EtherCAT®	EtherCAT®
Integrated	Brake resistor, fan	Brake resistor, fan
Cooling concept	Air-cooled	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	60 x 266 x 229 mm

Technical specifications

	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	6 A
Peak current (eff.)	18 A (3s), 12 A (60s)	18 A (3s), 12 A (60s)
Brake resistor	140 W	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)	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	HIPERFACE® (analog 8 cores), HIPERFACE DSL® (digital 2-wire) or resolver
Inputs/outputs	4 DI	4 DI
Communication	EtherCAT®	EtherCAT®
Integrated	Brake resistor, fan	Brake resistor, fan
Cooling concept	Air-cooled	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	60 x 321 x 229 mm

Technical specifications

	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%	3x AC 380 V -15% ... 3x AC 480 V +10%	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	140 W	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)	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)	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	HIPERFACE® (analog 8 cores), HIPERFACE DSL® (digital 2-wire) or resolver	HIPERFACE® (analog 8 cores), HIPERFACE DSL® (digital 2-wire) or resolver
Inputs/outputs	4 DI	4 DI	4 DI
Communication	EtherCAT®	EtherCAT®	EtherCAT®
Integrated	Brake resistor, fa	Brake resistor, fan	Brake resistor, fan
Cooling concept	Air-cooled	Air-cooled	Air-cooled
Rated data relative to	3x AC 400 V, 40 °C, 8 kHz	3x AC 400 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	80 x 321 x 243 mm	80 x 321 x 243 mm

Technical specifications

	JM-D2203-S1	JM-D2206-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 (3x AC 230 V)	2x 1.5 kWV
Mains voltage	1/3x AC 230 V, AC 184 V ... AC 240 V +10%	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	2x 6 A	2x 3 A
Peak current (eff.)	2x 9 A (3s), 2x 6 A (60s)	2x 9 A (3s), 2x 6 A (60s)	2x 9 A (3s), 2x 6 A (60s)
Brake resistor	140 W	140 W	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)	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)	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	HIPERFACE® (analog 8 cores), HIPERFACE DSL® (digital 2-wire) or resolver	HIPERFACE® (analog 8 cores), HIPERFACE DSL® (digital 2-wire) or resolver
Inputs/outputs	8 DI	8 DI	8 DI
Communication	EtherCAT®	EtherCAT®	EtherCAT®
Integrated	Brake resistor, fan	Brake resistor, fan	Brake resistor, fan
Cooling concept	Air-cooled	Air-cooled	Air-cooled
Rated data relative to	3x AC 230 V, 40 °C, 8 kHz	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	60 x 321 x 229 mm	60 x 321 x 229 mm

Technical specifications

	JM-D2406-S1	JM-D2410-S1
Rated power	2x 2.2 kW	2x 4 kW
Mains voltage	3x AC 380 V -15% ... 3x AC 480 V +10%	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	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)	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	HIPERFACE® (analog 8 cores), HIPERFACE DSL® (digital 2-wire) or resolver
Inputs/outputs	8 DI	8 DI
Communication	EtherCAT®	EtherCAT®
Integrated	Brake resistor, fan	Brake resistor, fan
Cooling concept	Air-cooled	Air-cooled
Rated data relative to	3x AC 400 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	80 x 321 x 243 mm

Order informations JetMove

Type	Resolver	HIPERFACE®	HIPERFACE DSL®
230 V - JetMove single			
JM-2203	10002157	10002160	10002159
JM-2206	10002161	10002813	10002832
230 V - JetMove double			
JM-D2203	10002200	10002811	10002829
JM-D2206	10002837	10002847	10002848
400 V - JetMove single			
JM-2403	10002066	10002488	10002490
JM-2406	10002197	10002814	10002833
JM-2410	10002071	10002815	10002834
JM-2414	10002072	10002816	10002835
JM-2423	10002154	10002817	10002836
400 V - JetMove double			
JM-D2403	10002073	10002489	10002491
JM-D2406	10002199	10002812	10002830
JM-D2410	10002074	10002684	10002831

Order informations accessories | spare part (connector sets, mounting hardware)

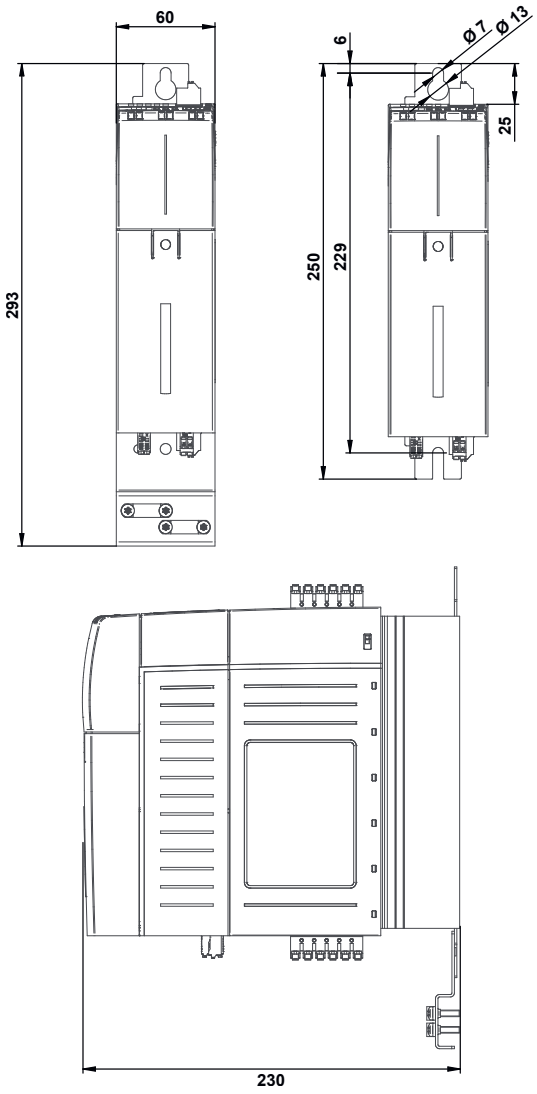
Item number	Name	Description
60886077		I/O and S1 connector set, single-axis
60886093		I/O and S1 connector set, double-axis
60886078		I/O and S2 connector set, single-axis
60887094		I/O and S2 connector set, double-axis
60886080		Power-level terminal connector set, single-axis, frame size 1
60886081		Power-level terminal connector set, single-axis, frame size 2
60886084		Power-level terminal connector set, single-axis, frame size 3
60886083		Power-level terminal connector set, double-axis, frame size 2
60886085		Power-level terminal connector set, double-axis, frame size 3
60885886		Top fitting panel
60885603		Bottom fitting panel
60886090		Fastening bracket for motor cable with shielding bracket

Order informations optional external brake resistor

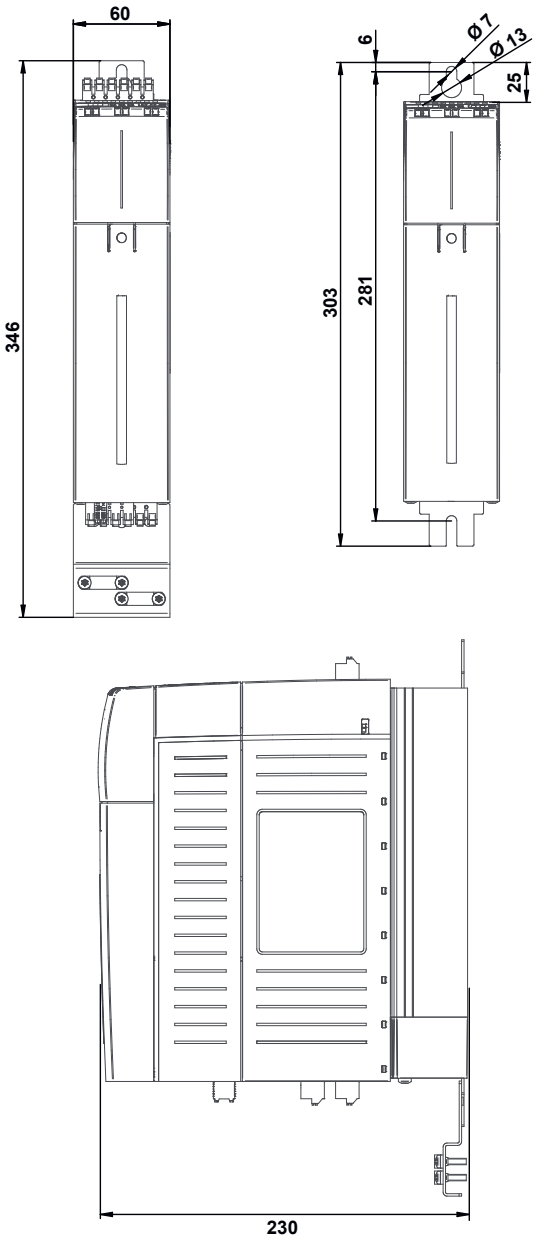
Type	Rated watt	Item number	Description
JM-2203	200	60880282_01	JBR090.02.540-UR
JM-2403	200	60880287_01	JBR200.02.540-UR
JM-2406, JM-2410, JM-2414, JM-2423, JM-D2403, JM-D2406, JM-D2410	150	60880604_00	JBR039.02.540-UR
JM-D2206, JM-D2203	150	60880605_00	JBR020.02.540-UR
JM-2203	300	60880283_01	JBR090.03.540-UR
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, JM-D2203	300	60880607_00	JBR020.03.540-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, JM-D2203	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, JM-D2203	2000	60880611_00	JBR020.20.201-UR

Dimensional Drawings

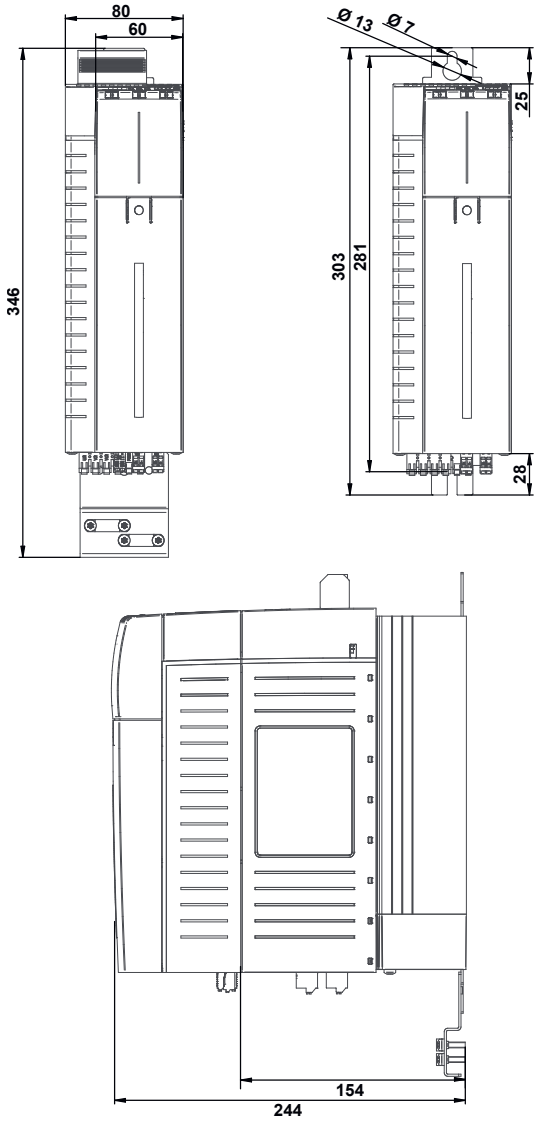
Size 1



Size 2



Size 3



Bucher Automation AG
Thomas-Alva-Edison-Ring 10
71672 Marbach am Neckar, Germany
T +49 7141 2550 0
info@bucherautomation.com

Further information and detailed ordering instructions are available on request.
Subject to technical change without notice, errors excepted.

© 2025 Bucher Automation AG

Status 06/2025