



DA200A

YOUR NEXT
STEP IN
SMART
SERVO
SOLUTIONS



PRECISION,
SAFETY,
SIMPLICITY

ALL IN ONE DRIVE

PRODUCT DESCRIPTION

The **DA200A** is a smart, single-phase servo drive engineered for precision, safety, and ease of use. It supports Tamagawa and Nikon serial encoders, offers direct motor brake control, and includes a user-friendly software interface. Designed for modern automation needs, it delivers high performance in a compact form.

Smart Engineering Choices

- Dynamic Braking: Prevents machine damage with rapid motor stop
- Closed-Loop Control: Full closed-loop position control for precision
- Auto Tuning: Simplifies setup for positioning and interpolation
- Adaptive Filters: Reduces resonance and vibration
- Vibration Suppression: Handles low-frequency load vibrations effectively

Technical Highlights

- Fieldbus: EtherCAT CoE fully implemented
- Safety: STO dual-channel, SIL3 certified
- Encoder Support: Tamagawa serial FA coder, Nikon serial A-Format
- Brake Control: Direct output for motor brake
- Interface: USB-C + panel display for PC-free operation
- Software: free, easy to install, with 4-channel digital scope and EtherCAT debug window



PRODUCT BENEFITS

01

Compact & Cost-Effective:

Designed to reduce footprint and cost, the DA200A is the ideal solution for space-constrained applications.

02

Certified Safety: with UL 61800-5-1 and SIL3 STO dual-channel certification, it ensures top-tier operational safety.

03

Plug & Play Simplicity: USB-C access and panel display allow for fast setup and operation —no PC required

04

Advanced Compatibility: Fully tested with Codesys and Beckhoff IPC, and supports EtherCAT CoE for seamless integration.

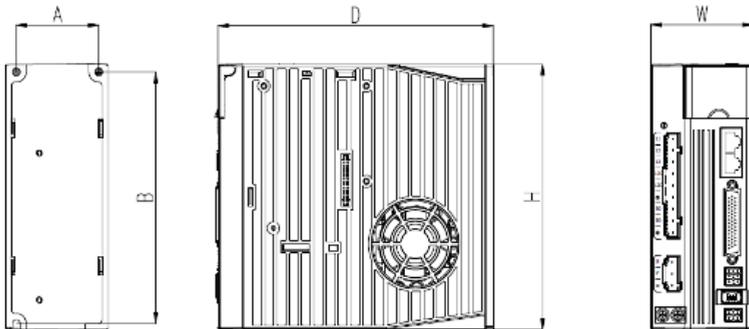
TECHNICAL DATA

DA200A SERIES SERVO DRIVE

Specification	Description	
Power supply	System input voltage of 220V	1PH/3PH AC200V(-15%)-240V(+10%) 47Hz -63Hz

Cabinet volume	Model	Input		Output	
		Voltage (V)	Rated current (A)	Power (kW)	Rated current (A)
A	DA200A-N-2R8-S-2-P	1PH 220	3,6	0,4	2,8
	DA200A-N-6R0-S-2-P	1PH 220	9,0	1,0	6,0

PRODUCT DIMENSIONS AND WEIGHT



Volume	Outline dimensions (mm)			Installation dimensions (mm)		Mounting hole diameter (mm)	Net weight (kg)
	H	W	D	A	B		
A	170	45	170	33	162	Ø 5(M4)	1,03

MATCHING BUNDLE

Perfect synergy with TC4 and TC-E motors:

- Optimised performance when paired with our TC series motors.
- Available in 400W and 1000W power sizes, 1x230VAC input.
- Complete servo bundle for streamlined installation and commissioning.
- Its optimized design makes it the perfect match for bundling with Motor Power Company's TC series brushless servo motors, ensuring seamless integration and enhanced performance.

Motor	Drive	Power (kW)	Legenda
TC4-40.1B.13.2.x.yy.z.1. D0/DA	DA200A-N-2R8-S-2-P-UL	0,125	x=mechanical arrangement
TC4-60.2A.20.2.x.yy.z.1. D0/DA	DA200A-N-2R8-S-2-P-UL	0,265	yy=yy=N1 (Nikon battery MT) or M2 (MPC serial protocol) or M21 (MPCserial battery MT)
TC4-60.2B.20.2.x.yy.z.1. D0/DA	DA200A-N-2R8-S-2-P-UL	0,475	
TC4-80.3A.20.2.x.yy.z.1. D0/DA	DA200A-N-6R0-S-2-P-UL	0,555	z= 0 or 1 (0=no_brake, 1=brake)
TC4-80.3B.20.2.x.yy.z.1. D0/DA	DA200A-N-6R0-S-2-P-UL**	1,08	/DA = encoder nameplate

** Peak current limited at 18 Amp



MATCHING BUNDLE

Perfect synergy with TC4 and TC-E motors:

- Optimised performance when paired with our TC series motors.
- Available in 400W and 1000W power sizes, 1x230VAC input.
- Complete servo bundle for streamlined installation and commissioning.

Motor	Drive	Power (kW)	Legenda
TCE-40.1A.B1.2.x.Ay.z.D0/DA	DA200A-N-2R8-S-2-P-UL	0,5	x=mechanical arrangement yy=yy=N1 (Nikon battery MT) or M2 (MPC serial protocol) or M21 (MPCserial battery MT) z= 0 or 1 (0=no_brake, 1=brake) /DA = encoder nameplate
TCE-40.1B.C1.2.x.Ay.z.D0/DA	DA200A-N-2R8-S-2-P-UL	0,1	
TCE-60.2A.D3.2.x.Ay.z.D0/DA	DA200A-N-2R8-S-2-P-UL	0,2	
TCE-60.2B.D3.2.x.Ay.z.D0/DA	DA200A-N-2R8-S-2-P-UL	0,4	
TCE-80.3A.D2.2.x.Ay.z.D0/DA	DA200A-N-2R8-S-2-P-UL	0,4	
TCE-80.3B.D4.2.x.Ay.z.D0/DA	DA200A-N-6R0-S-2-P-UL	0,75	
TCE-100.4A.D1.2.x.Ay.z.C2/DA	DA200A-N-6R0-S-2-P-UL	1	





MOTOR POWER COMPANY S.R.L.
REGGIO EMILIA (ITALY)
T. +39 0522 682710
INFO@MOTORPOWERCO.IT

MOTOR POWER COMPANY (TAICANG)
MOTION CO. LTD. TAICANG,
P.R.CHINA
T. + 86 512 33337978
INFOASIA@MOTORPOWERCO.COM