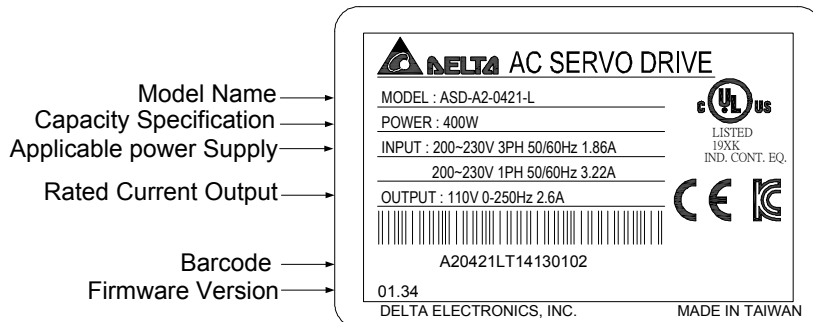


1.2 Product Model

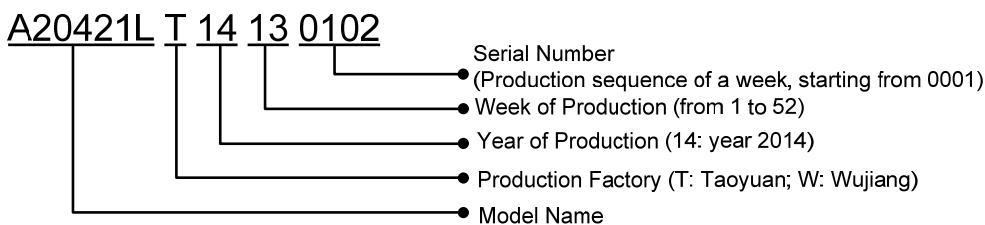
1.2.1 Nameplate Information

ASDA-A2 Series Servo Drive

■ Nameplate Information

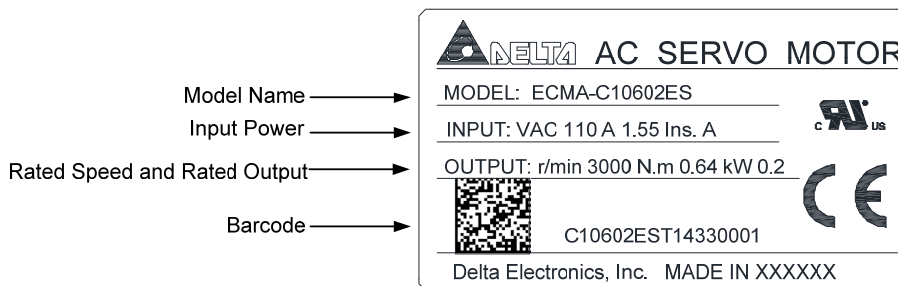


■ Serial Number

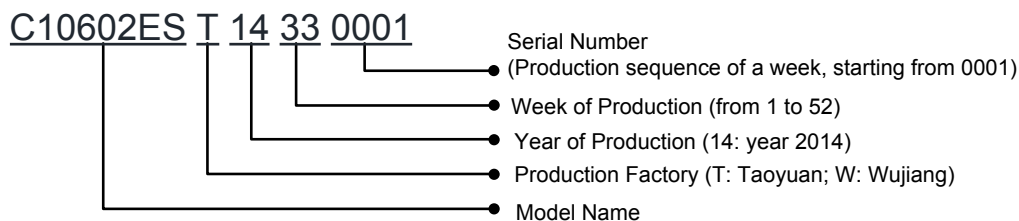


ECMA Series Servo Motor

■ Nameplate Information



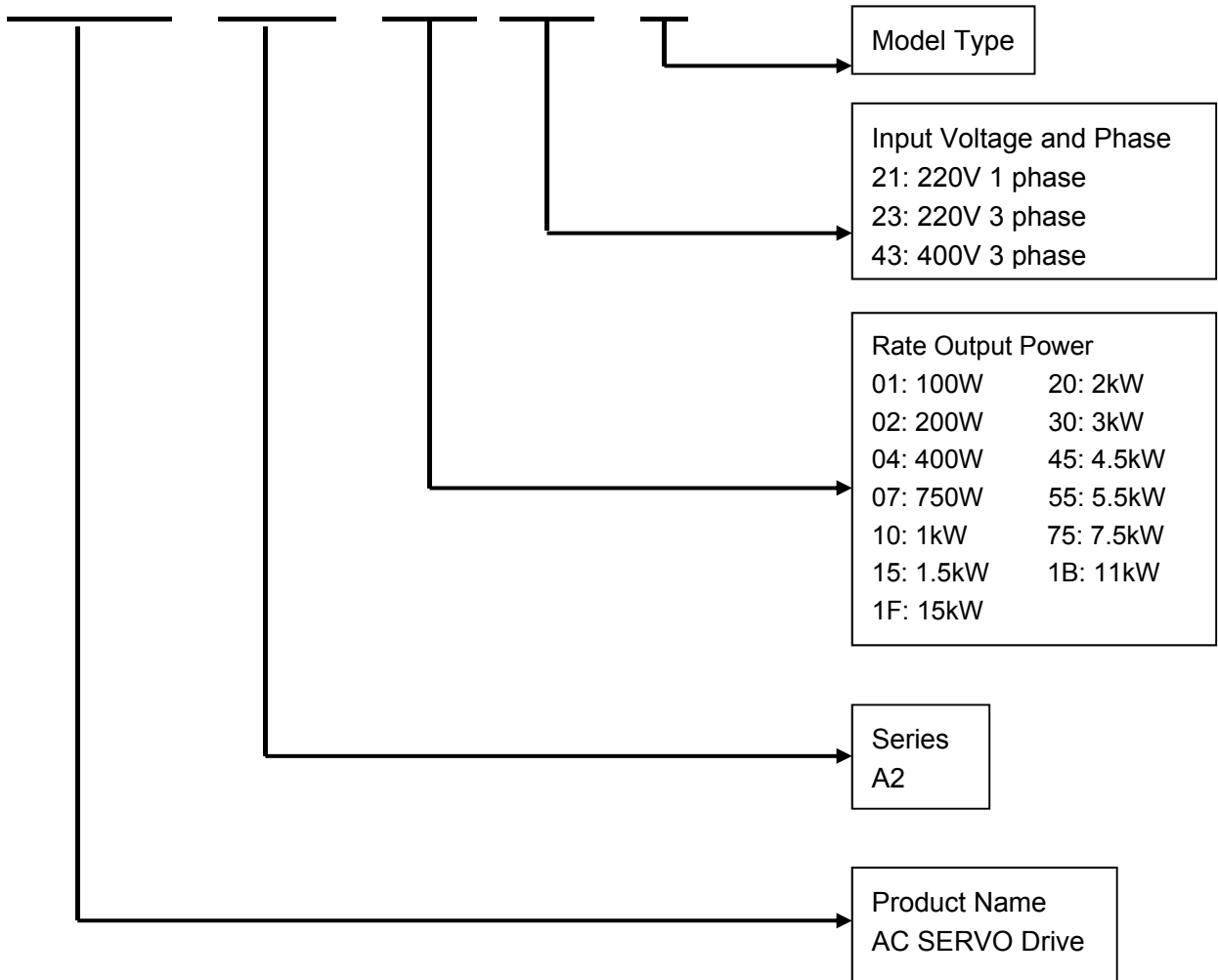
■ Serial Number



1.2.2 Model Explanation

ASDA-A2 Series Servo Drive

A S D - A 2 - 0 7 4 3 - U



Model Type

	Type	RS-485 (CN3)	Full-closed control (CN5)*1	Extension Port for Digital Input (CN7)	EtherCAT	CANopen	DMCNET	Analog Voltage Control	Pulse Input Port	PR Mode*2	E-Cam*3
Standard Model	L	O	O	X	X	X	X	O	O	O	X
	U	O	O	O	X	X	X	O	O	O	O
Network Model	E	X	O	O	O	X	X	X	X	O	O
	F	O	O	X	X	X	O	X	X	O	X
	M	O	O	X	X	O	X	O	O	O	O

NOTE

1. In PR mode, only A2-F supports full-closed control function.
2. PR parameters can be read and written through communication by DMCNET only.
3. E-cam function can only be used in PR mode.

ECMA Series Servo Motor

E C M A - C 1 0 6 0 2 E S

Standard Shaft Diameter: S
 Specific Shaft Diameter: 3=42mm, 7=14mm

Type of Shaft Diameter and Oil Seal	w/o Brake, w/o Oil Seal	with Brake, w/o Oil Seal	w/o Brake, with Oil Seal	With Brake, with Oil Seal
Round Shaft (with fixed screw holes)	-	-	C	D
Keyway	E	F	-	-
Keyway (with fixed screw holes)	P	Q	R	S

Rated Power Output
 0F:50W 09:900W 50:5.0kW
 01:100W 10:1.0kW 55:5.5kW
 02:200W 13:1.3kW 75:7.5kW
 03:300W 15:1.5kW 1B:11kW
 04:400W 18:1.8kW 1F:15kW
 05:500W 20:2.0kW
 06:600W 30:3.0kW
 07:750W 35:3.5kW
 08:850W 45:4.5kW

Motor Frame Size
 04:40mm 09:86mm 18:180mm
 06:60mm 10:100mm 22:220mm
 08:80mm 13:130mm

Name of the Series
 Rated Voltage and Rated Speed
C = 220V/3,000 rpm; **E** = 220V/2,000 rpm;
F = 220V/1,500 rpm; **G** = 220V/1,000 rpm;
J = 400V/3,000 rpm; **K** = 400V/2,000 rpm;
L = 400V/1,500 rpm; **M** = 400V/1,000 rpm
 Encoder Type
 1: Incremental, 20-bit
 2: Incremental, 17-bit
 3: 2500 ppr
 A: Absolute (Resolution of single cycle: 17-bit; Resolution of multi-cycle: 16-bit)

Servo Type
 A: AC Servo

Product Name
 ECM: Electronic Commutation Motor

1.3 Servo Drive and Corresponding Servo Motor

1.3.1 220V Series

		Motor				Servo Drive			
Motor series	Power	Output (W)	Model Number	Rated Current (Arms)	Max. Instantaneous current (A)	Model Number	Continuous Output Current (Arms)	Max. Instantaneous output current (A)	
Low Inertia	ECMA-C 3000 r/min	Single- /Three- phase	50	ECMA-C1040F□S	0.69	2.05	ASD-A2-0121-□	0.90	2.70
			100	ECMA-C△0401□S	0.90	2.70			
			200	ECMA-C△0602□S	1.55	4.65	ASD-A2-0221-□	1.55	4.65
			400	ECMA-C△0604□S	2.60	7.80	ASD-A2-0421-□	2.60	7.80
			400	ECMA-C△0804□7	2.60	7.80			
			750	ECMA-C△0807□S	5.10	15.30	ASD-A2-0721-□	5.10	15.30
			750	ECMA-C△0907□S	3.66	11.00			
			1000	ECMA-C△0910□S	4.25	12.37	ASD-A2-1021-□	7.30	21.90
			1000	ECMA-C△1010□S	7.30	21.90			
			2000	ECMA-C△1020□S	12.05	36.15	ASD-A2-2023-□	13.40	40.20
			3000	ECMA-C△1330□4	17.2	47.5	ASD-A2-3023-□	19.40	58.20
Medium Inertia	ECMA-E 2000 r/min	Single- /Three- phase	500	ECMA-E△1305□S	2.90	8.70	ASD-A2-0421-□	2.60	7.80
			1000	ECMA-E△1310□S	5.60	16.80	ASD-A2-1021-□	7.30	21.90
			1500	ECMA-E△1315□S	8.30	24.90	ASD-A2-1521-□	8.30	24.90
			2000	ECMA-E△1320□S	11.01	33.03	ASD-A2-2023-□	13.40	40.20
			2000	ECMA-E△1820□S	11.22	33.66			
			3000	ECMA-E△1830□S	16.10	48.30	ASD-A2-3023-□	19.40	58.20
			3500	ECMA-E△1835□S	19.20	57.60			
Medium-high inertia	ECMA-F 1500 r/min	Single- /Three- phase	500	ECMA-F△1305□S	3.90	12.10	ASD-A2-0721-□	5.10	15.30
			850	ECMA-F△1308□S	7.10	19.40	ASD-A2-1021-□	7.30	21.90
			1300	ECMA-F△1313□S	12.60	38.60	ASD-A2-2023-□	13.40	40.20
			1800	ECMA-F△1318□S	13.00	36.00			
			3000	ECMA-F△1830□S	19.40	58.20	ASD-A2-3023-□	19.40	58.20
			4500	ECMA-F△1845□S	32.50	81.30	ASD-A2-4523-□	32.50	--
			5500	ECMA-F△1855□3	40.00	100.00	ASD-A2-5523-□	40.00	--
			7500	ECMA-F△1875□3	47.50	118.80	ASD-A2-7523-□	47.50	--
			11000	ECMA-F1221B□3	51.80	129.50	ASD-A2-1B23-□	54.40	--
			15000	ECMA-F1221F□S	61.50	145.70	ASD-A2-1F23-□	70.00	--

Motor						Servo Drive		
Motor series	Power	Output (W)	Model Number	Rated Current (Arms)	Max. Instantaneous current (A)	Model Number	Continuous Output Current (Arms)	Max. Instantaneous output current (A)
High Inertia ECMA-C/G 3000 r/min	Single- /Three- phase	400	ECMA-C△0604□H	2.60	7.80	ASD-A2-0421-□	2.60	7.80
		750	ECMA-C△0807□H	5.10	15.30	ASD-A2-0721-□	5.10	15.30
		300	ECMA-G△1303□S	2.50	7.50	ASD-A2-0421-□	2.60	7.80
		600	ECMA-G△1306□S	4.80	14.40	ASD-A2-0721-□	5.10	15.30
		900	ECMA-G△1309□S	7.50	22.50	ASD-A2-1021-□	7.30	21.90

 **NOTE**

1. The boxes (□) at the ends of the servo drive model names are for optional configurations. For the actual model name, please refer to the ordering information of the actual purchased product.
2. The boxes (△) in the model names are for encoder resolution types. △= 1: Incremental type, 20-bit; △= 2: Incremental type, 17-bit; △= 3: 2500 ppr; △= A: Absolute type). The listed motor model name is for information searching, please contact to your local distributors for actual purchased product.
3. The boxes (□) in the model names represents brake or keyway oil seal.
- 4 *11kw and 15kW will be available soon.

The above table shows the specification of servo drive which has triple rated current. For detailed specification of the servo motor and servo drive, please refer to Chapter 11.

1.4 Each Part of the Servo Drive

1.4.1 220V Series

220V Series - Front View

