

AC Servo System 1S-series

External Dimensions

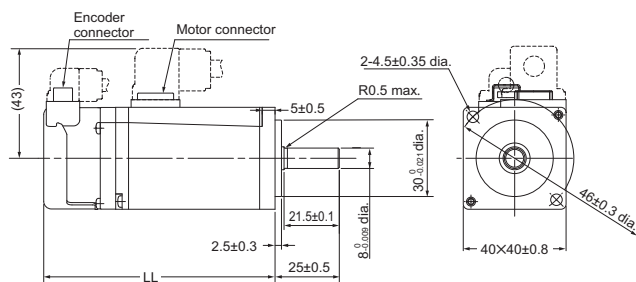
(Unit: mm)

3,000-r/min Servomotors (100 V and 200 V)

100 W (without Brake)

R88M-1M10030S(-O/-S2/-OS2)

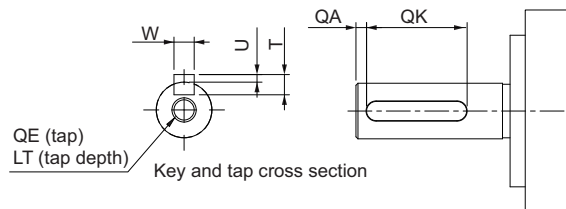
R88M-1M10030T(-O/-S2/-OS2)



Model	Dimensions [mm]
	LL
R88M-1M10030S(-S2) R88M-1M10030T(-S2)	90±1
R88M-1M10030S(-O/-OS2) R88M-1M10030T(-O/-OS2)	95±1

Note: The standard shaft type is a straight shaft. Models with a key and tap are indicated with "S2" at the end of the model number. Models with an oil seal are indicated with "O" at the end of the model number.

Shaft-end with key and tap

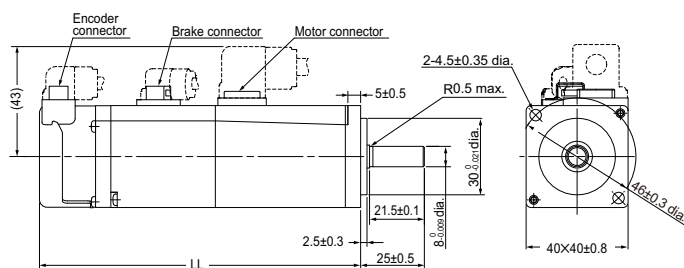


Model	Dimensions [mm]						
	QA	QK	W	T	U	QE	LT
R88M-1M10030S(-S2/-OS2)	2	12	3 ⁰ _{-0.025}	3	1.2 ⁰ _{-0.2}	M3	8
R88M-1M10030T(-S2/-OS2)	2	12	3 ⁰ _{-0.025}	3	1.2 ⁰ _{-0.2}	M3	8

100 W (with Brake)

R88M-1M10030S-B(O/S2/OS2)

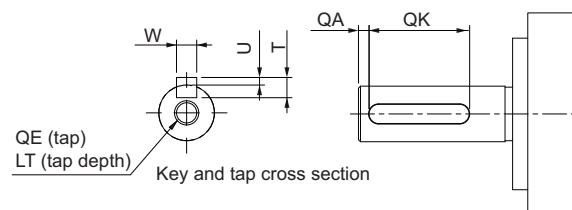
R88M-1M10030T-B(O/S2/OS2)



Model	Dimensions [mm]
	LL
R88M-1M10030S-B(S2) R88M-1M10030T-B(S2)	126±1
R88M-1M10030S-B(O/OS2) R88M-1M10030T-B(O/OS2)	131±1

Note: The standard shaft type is a straight shaft. Models with a key and tap are indicated with "S2" at the end of the model number. Models with an oil seal are indicated with "O" at the end of the model number.

Shaft-end with key and tap



Model	Dimensions [mm]						
	QA	QK	W	T	U	QE	LT
R88M-1M10030S-B(S2/OS2)	2	12	3 ⁰ _{-0.025}	3	1.2 ⁰ _{-0.2}	M3	8
R88M-1M10030T-B(S2/OS2)	2	12	3 ⁰ _{-0.025}	3	1.2 ⁰ _{-0.2}	M3	8

Ordering Information

AC Servo Drives with Built-in EtherCAT Communications

Power supply voltage	Rated output	Model
Single-phase 100 VAC	100 W	R88D-1SN01L-ECT
	200 W	R88D-1SN02L-ECT
	400 W	R88D-1SN04L-ECT
Single-phase/3-phase 200 VAC	100 W	R88D-1SN01H-ECT
	200 W	R88D-1SN02H-ECT
	400 W	R88D-1SN04H-ECT
	750 W	R88D-1SN08H-ECT
	1.5 kW	R88D-1SN15H-ECT
3-phase 200 VAC	1 kW	R88D-1SN10H-ECT
	2 kW	R88D-1SN20H-ECT
	3 kW	R88D-1SN30H-ECT
3-phase 400 VAC	600 W	R88D-1SN06F-ECT
	1 kW	R88D-1SN10F-ECT
	1.5 kW	R88D-1SN15F-ECT
	2 kW	R88D-1SN20F-ECT
	3 kW	R88D-1SN30F-ECT

AC Servomotors

● 3,000-r/min Servomotors

Specifications			Model	
			Without oil seal	
			Straight shaft	With key and tap
Without brake	100 VAC	100 W	R88M-1M10030S	R88M-1M10030S-S2
		200 W	R88M-1M20030S	R88M-1M20030S-S2
		400 W	R88M-1M40030S	R88M-1M40030S-S2
	200 VAC	100 W	R88M-1M10030T	R88M-1M10030T-S2
		200 W	R88M-1M20030T	R88M-1M20030T-S2
		400 W	R88M-1M40030T	R88M-1M40030T-S2
		750 W	R88M-1M75030T	R88M-1M75030T-S2
		1 kW	R88M-1L1K030T	R88M-1L1K030T-S2
		1.5 kW	R88M-1L1K530T	R88M-1L1K530T-S2
		2 kW	R88M-1L2K030T	R88M-1L2K030T-S2
		3 kW	R88M-1L3K030T	R88M-1L3K030T-S2
	400 VAC	750 W	R88M-1L75030C	R88M-1L75030C-S2
		1 kW	R88M-1L1K030C	R88M-1L1K030C-S2
		1.5 kW	R88M-1L1K530C	R88M-1L1K530C-S2
		2 kW	R88M-1L2K030C	R88M-1L2K030C-S2
		3 kW	R88M-1L3K030C	R88M-1L3K030C-S2
With brake	100 VAC	100 W	R88M-1M10030S-B	R88M-1M10030S-BS2
		200 W	R88M-1M20030S-B	R88M-1M20030S-BS2
		400 W	R88M-1M40030S-B	R88M-1M40030S-BS2
	200 VAC	100 W	R88M-1M10030T-B	R88M-1M10030T-BS2
		200 W	R88M-1M20030T-B	R88M-1M20030T-BS2
		400 W	R88M-1M40030T-B	R88M-1M40030T-BS2
		750 W	R88M-1M75030T-B	R88M-1M75030T-BS2
		1 kW	R88M-1L1K030T-B	R88M-1L1K030T-BS2
		1.5 kW	R88M-1L1K530T-B	R88M-1L1K530T-BS2
		2 kW	R88M-1L2K030T-B	R88M-1L2K030T-BS2
		3 kW	R88M-1L3K030T-B	R88M-1L3K030T-BS2
	400 VAC	750 W	R88M-1L75030C-B	R88M-1L75030C-BS2
		1 kW	R88M-1L1K030C-B	R88M-1L1K030C-BS2
		1.5 kW	R88M-1L1K530C-B	R88M-1L1K530C-BS2
		2 kW	R88M-1L2K030C-B	R88M-1L2K030C-BS2
		3 kW	R88M-1L3K030C-B	R88M-1L3K030C-BS2

AC Servo System 1S-series

Specifications			Model	
			With oil seal	
			Straight shaft	With key and tap
Without brake	100 VAC	100 W	R88M-1M10030S-O	R88M-1M10030S-OS2
		200 W	R88M-1M20030S-O	R88M-1M20030S-OS2
		400 W	R88M-1M40030S-O	R88M-1M40030S-OS2
	200 VAC	100 W	R88M-1M10030T-O	R88M-1M10030T-OS2
		200 W	R88M-1M20030T-O	R88M-1M20030T-OS2
		400 W	R88M-1M40030T-O	R88M-1M40030T-OS2
		750 W	R88M-1M75030T-O	R88M-1M75030T-OS2
		1 kW	R88M-1L1K030T-O	R88M-1L1K030T-OS2
		1.5 kW	R88M-1L1K530T-O	R88M-1L1K530T-OS2
		2 kW	R88M-1L2K030T-O	R88M-1L2K030T-OS2
		3 kW	R88M-1L3K030T-O	R88M-1L3K030T-OS2
	400 VAC	750 W	R88M-1L75030C-O	R88M-1L75030C-OS2
		1 kW	R88M-1L1K030C-O	R88M-1L1K030C-OS2
		1.5 kW	R88M-1L1K530C-O	R88M-1L1K530C-OS2
		2 kW	R88M-1L2K030C-O	R88M-1L2K030C-OS2
		3 kW	R88M-1L3K030C-O	R88M-1L3K030C-OS2
With brake	100 VAC	100 W	R88M-1M10030S-BO	R88M-1M10030S-BOS2
		200 W	R88M-1M20030S-BO	R88M-1M20030S-BOS2
		400 W	R88M-1M40030S-BO	R88M-1M40030S-BOS2
	200 VAC	100 W	R88M-1M10030T-BO	R88M-1M10030T-BOS2
		200W	R88M-1M20030T-BO	R88M-1M20030T-BOS2
		400 W	R88M-1M40030T-BO	R88M-1M40030T-BOS2
		750 W	R88M-1M75030T-BO	R88M-1M75030T-BOS2
		1 kW	R88M-1L1K030T-BO	R88M-1L1K030T-BOS2
		1.5 kW	R88M-1L1K530T-BO	R88M-1L1K530T-BOS2
		2 kW	R88M-1L2K030T-BO	R88M-1L2K030T-BOS2
		3 kW	R88M-1L3K030T-BO	R88M-1L3K030T-BOS2
	400 VAC	750 W	R88M-1L75030C-BO	R88M-1L75030C-BOS2
		1 kW	R88M-1L1K030C-BO	R88M-1L1K030C-BOS2
		1.5 kW	R88M-1L1K530C-BO	R88M-1L1K530C-BOS2
		2 kW	R88M-1L2K030C-BO	R88M-1L2K030C-BOS2
		3 kW	R88M-1L3K030C-BO	R88M-1L3K030C-BOS2

● 2,000-r/min Servomotors

Specifications			Model	
			Without oil seal	
			Straight shaft	With key and tap
Without brake	200 VAC	1 kW	R88M-1M1K020T	R88M-1M1K020T-S2
		1.5 kW	R88M-1M1K520T	R88M-1M1K520T-S2
		2 kW	R88M-1M2K020T	R88M-1M2K020T-S2
		3 kW	R88M-1M3K020T	R88M-1M3K020T-S2
	400 VAC	400 W	R88M-1M40020C	R88M-1M40020C-S2
		600 W	R88M-1M60020C	R88M-1M60020C-S2
		1 kW	R88M-1M1K020C	R88M-1M1K020C-S2
		1.5 kW	R88M-1M1K520C	R88M-1M1K520C-S2
		2 kW	R88M-1M2K020C	R88M-1M2K020C-S2
		3 kW	R88M-1M3K020C	R88M-1M3K020C-S2
Witht brake	200 VAC	1 kW	R88M-1M1K020T-B	R88M-1M1K020T-BS2
		1.5 kW	R88M-1M1K520T-B	R88M-1M1K520T-BS2
		2 kW	R88M-1M2K020T-B	R88M-1M2K020T-BS2
		3 kW	R88M-1M3K020T-B	R88M-1M3K020T-BS2
	400 VAC	400 W	R88M-1M40020C-B	R88M-1M40020C-BS2
		600 W	R88M-1M60020C-B	R88M-1M60020C-BS2
		1 kW	R88M-1M1K020C-B	R88M-1M1K020C-BS2
		1.5 kW	R88M-1M1K520C-B	R88M-1M1K520C-BS2
		2 kW	R88M-1M2K020C-B	R88M-1M2K020C-BS2
		3 kW	R88M-1M3K020C-B	R88M-1M3K020C-BS2

AC Servo System 1S-series

Combination table

Servo Drive and Servomotor Combinations

The following tables show the possible combinations of 1S-series Servo Drives and Servomotors.

The Servomotors and Servo Drives can only be used in the listed combinations. "□" at the end of the motor model number is for options, such as the shaft type and brake.

3,000-r/min Servomotors and Servo Drives

Main circuit power supply voltage	Servomotor rated output	Servomotor	Servo Drive
Single-phase 100 VAC	100 W	R88M-1M10030S-□	R88D-1SN01L-ECT
	200 W	R88M-1M20030S-□	R88D-1SN02L-ECT
	400 W	R88M-1M40030S-□	R88D-1SN04L-ECT
Single-phase/3-phase 200 VAC	100 W	R88M-1M10030T-□	R88D-1SN01H-ECT
	200 W	R88M-1M20030T-□	R88D-1SN02H-ECT
	400 W	R88M-1M40030T-□	R88D-1SN04H-ECT
	750 W	R88M-1M75030T-□	R88D-1SN08H-ECT
	1.5 kW	R88M-1L1K530T-□	R88D-1SN15H-ECT
3-phase 200 VAC	1 kW	R88M-1L1K030T-□	R88D-1SN10H-ECT
	2 kW	R88M-1L2K030T-□	R88D-1SN20H-ECT
	3 kW	R88M-1L3K030T-□	R88D-1SN30H-ECT
3-phase 400 VAC	750 W	R88M-1L75030C-□	R88D-1SN10F-ECT
	1 kW	R88M-1L1K030C-□	R88D-1SN10F-ECT
	1.5 kW	R88M-1L1K530C-□	R88D-1SN15F-ECT
	2 kW	R88M-1L2K030C-□	R88D-1SN20F-ECT
	3 kW	R88M-1L3K030C-□	R88D-1SN30F-ECT

2,000-r/min Servomotors and Servo Drives

Main circuit power supply voltage	Servomotor rated output	Servomotor	Servo Drive
Single-phase/3-phase 200 VAC	1.5 kW	R88M-1M1K520T-□	R88D-1SN15H-ECT
3-phase 200 VAC	1 kW	R88M-1M1K020T-□	R88D-1SN10H-ECT
	2 kW	R88M-1M2K020T-□	R88D-1SN20H-ECT
	3 kW	R88M-1M3K020T-□	R88D-1SN30H-ECT
3-phase 400 VAC	400 W	R88M-1M40020C-□	R88D-1SN06F-ECT
	600 W	R88M-1M60020C-□	R88D-1SN06F-ECT
	1 kW	R88M-1M1K020C-□	R88D-1SN10F-ECT
	1.5 kW	R88M-1M1K520C-□	R88D-1SN15F-ECT
	2 kW	R88M-1M2K020C-□	R88D-1SN20F-ECT
	3 kW	R88M-1M3K020C-□	R88D-1SN30F-ECT

1,000-r/min Servomotors and Servo Drives

Main circuit power supply voltage	Servomotor rated output	Servomotor	Servo Drive
3-phase 200 VAC	900 W	R88M-1M90010T-□	R88D-1SN10H-ECT
	2 kW	R88M-1M2K010T-□	R88D-1SN20H-ECT
	3 kW	R88M-1M3K010T-□	R88D-1SN30H-ECT
3-phase 400 VAC	900 W	R88M-1M90010C-□	R88D-1SN10F-ECT
	2 kW	R88M-1M2K010C-□	R88D-1SN20F-ECT
	3 kW	R88M-1M3K010C-□	R88D-1SN30F-ECT