

R88M-K□, R88M-KH□

Accurax G5 servo motors

**Servo family for accurate motion control.
Power range extended up to 15 kW.**

- Standard and high inertia servo motor models
- Peak torque 300% of rated torque during 3 seconds or more depending on model
- High resolution serial encoder provided by 20 bits encoder
- IP67 protection in all models
- Ultra-light and compact size motor
- Low speed ripple and low torque ripple due to low torque cogging
- Various shaft, brake and seal options

Ratings

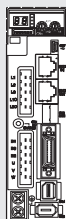
- 230 VAC from 50 W to 1.5 kW (rated torque from 0.16 to 8.59 Nm)
- 400 VAC from 400 W to 15 kW (rated torque from 1.91 Nm to 95.5 Nm)



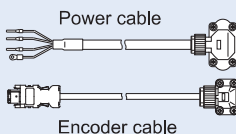
System configuration

(Refer to servo drive chapter)

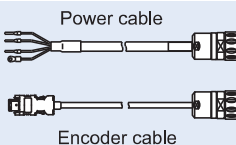
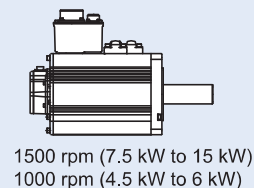
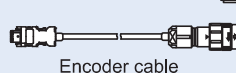
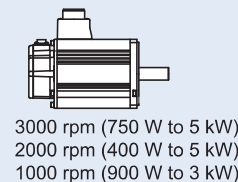
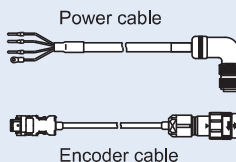
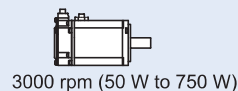
Servo drive options



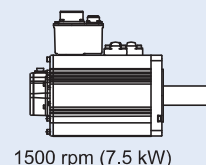
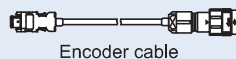
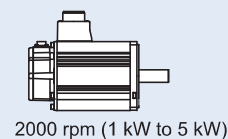
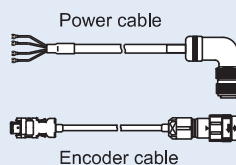
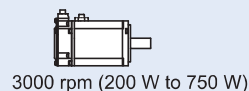
Accurax G5 servo drives
EtherCAT, ML2 and
Analogue/pulse models




Standard servo motors




High inertia servo motors



Servo motors 2000 r/min (1 to 5 kW)

Symbol	Specifications				Servo motor model	Compatible servo drives (2)		
	Voltage	Encoder and design	Rated torque	Capacity		G5 EtherCAT/ ML2	G5 Analog/pulse	
	230 V	Incremental encoder (20 bit) Straight shaft with key and tap	Without brake	4.77 Nm	1000 W	R88M-K1K020H-S2	R88D-KN10H-□	R88D-KT10H
				7.16 Nm	1500 W	R88M-K1K520H-S2	R88D-KN15H-□	R88D-KT15H
				4.77 Nm	1000 W	R88M-K1K020H-BS2	R88D-KN10H-□	R88D-KT10H
			With brake	7.16 Nm	1500 W	R88M-K1K520H-BS2	R88D-KN15H-□	R88D-KT15H
				4.77 Nm	1000 W	R88M-K1K020T-S2	R88D-KN10H-□	R88D-KT10H
				7.16 Nm	1500 W	R88M-K1K520T-S2	R88D-KN15H-□	R88D-KT15H
		Absolute encoder (17 bit) Straight shaft with key and tap	Without brake	4.77 Nm	1000 W	R88M-K1K020T-S2	R88D-KN10H-□	R88D-KT10H
				7.16 Nm	1500 W	R88M-K1K520T-S2	R88D-KN15H-□	R88D-KT15H
				4.77 Nm	1000 W	R88M-K1K020T-BS2	R88D-KN10H-□	R88D-KT10H
			With brake	7.16 Nm	1500 W	R88M-K1K520T-BS2	R88D-KN15H-□	R88D-KT15H
				1.91 Nm	400 W	R88M-K40020F-S2	R88D-KN06F-□	R88D-KT06F
				2.86 Nm	600 W	R88M-K60020F-S2	R88D-KN06F-□	R88D-KT06F
	400 V	Incremental encoder (20 bit) Straight shaft with key and tap	Without brake	1.91 Nm	400 W	R88M-K40020F-S2	R88D-KN06F-□	R88D-KT06F
				2.86 Nm	600 W	R88M-K60020F-S2	R88D-KN06F-□	R88D-KT06F
				4.77 Nm	1000 W	R88M-K1K020F-S2	R88D-KN10F-□	R88D-KT10F
				7.16 Nm	1500 W	R88M-K1K520F-S2	R88D-KN15F-□	R88D-KT15F
				9.55 Nm	2000 W	R88M-K2K020F-S2	R88D-KN20F-□	R88D-KT20F
				14.3 Nm	3000 W	R88M-K3K020F-S2	R88D-KN30F-□	R88D-KT30F
			With brake	19.1 Nm	4000 W	R88M-K4K020F-S2	R88D-KN50F-□	R88D-KT50F
				23.9 Nm	5000 W	R88M-K5K020F-S2	R88D-KN50F-□	R88D-KT50F
				1.91 Nm	400 W	R88M-K40020F-BS2	R88D-KN06F-□	R88D-KT06F
				2.86 Nm	600 W	R88M-K60020F-BS2	R88D-KN06F-□	R88D-KT06F
				4.77 Nm	1000 W	R88M-K1K020F-BS2	R88D-KN10F-□	R88D-KT10F
				7.16 Nm	1500 W	R88M-K1K520F-BS2	R88D-KN15F-□	R88D-KT15F
		Absolute encoder (17 bit) Straight shaft with key and tap	Without brake	9.55 Nm	2000 W	R88M-K2K020F-BS2	R88D-KN20F-□	R88D-KT20F
				14.3 Nm	3000 W	R88M-K3K020F-BS2	R88D-KN30F-□	R88D-KT30F
				19.1 Nm	4000 W	R88M-K4K020F-BS2	R88D-KN50F-□	R88D-KT50F
				23.9 Nm	5000 W	R88M-K5K020F-BS2	R88D-KN50F-□	R88D-KT50F
1.91 Nm				400 W	R88M-K40020C-S2	R88D-KN06F-□	R88D-KT06F	
2.86 Nm				600 W	R88M-K60020C-S2	R88D-KN06F-□	R88D-KT06F	
With brake			4.77 Nm	1000 W	R88M-K1K020C-S2	R88D-KN10F-□	R88D-KT10F	
			7.16 Nm	1500 W	R88M-K1K520C-S2	R88D-KN15F-□	R88D-KT15F	
			9.55 Nm	2000 W	R88M-K2K020C-S2	R88D-KN20F-□	R88D-KT20F	
			14.3 Nm	3000 W	R88M-K3K020C-S2	R88D-KN30F-□	R88D-KT30F	
			19.1 Nm	4000 W	R88M-K4K020C-S2	R88D-KN50F-□	R88D-KT50F	
			23.9 Nm	5000 W	R88M-K5K020C-S2	R88D-KN50F-□	R88D-KT50F	

Servo motors 1500 r/min (7.5 to 15 kW)

Symbol	Specifications				Servo motor model	Compatible servo drives (2)		
	Voltage	Encoder and design	Rated torque	Capacity		G5 EtherCAT	G5 Analog/pulse	
	400 V	Absolute encoder (17 bit) Straight shaft with key and tap	Without brake	47.8 Nm	7500 W	R88M-K7K515C-S2	R88D-KN75F-ECT	R88D-KT75F
				70.0 Nm	11000 W	R88M-K11K015C-S2	R88D-KN150F-ECT	R88D-KT150F
				95.5 Nm	15000 W	R88M-K15K015C-S2	R88D-KN150F-ECT	R88D-KT150F
			With brake	47.8 Nm	7500 W	R88M-K7K515C-BS2	R88D-KN75F-ECT	R88D-KT75F
				70.0 Nm	11000 W	R88M-K11K015C-BS2	R88D-KN150F-ECT	R88D-KT150F
				95.5 Nm	15000 W	R88M-K15K015C-BS2	R88D-KN150F-ECT	R88D-KT150F