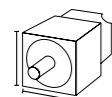


### Selection table

Rotary servo motor specifications						Servo drive specifications				
Speed (rpm)	Voltage	Flange (mm)	Rated Torque	Capacity	Motor Model	Drive Model	W	D	H	
3000	230 V	40x40	0.16 Nm	50 W	R88M-K05030(H/T)-(B)S2	R88D-KT01H	40	130	150	
			0.32 Nm	100 W	R88M-K10030(H/T)-(B)S2	R88D-KT01H				
			0.64 Nm	200 W	R88M-K20030(H/T)-(B)S2	R88D-KT02H				
		60x60	1.3 Nm	400 W	R88M-K40030(H/T)-(B)S2	R88D-KT04H	55			
			2.4 Nm	750 W	R88M-K75030(H/T)-(B)S2	R88D-KT08H		170		
			3.18 Nm	1 kW	R88M-K1K030(H/T)-(B)S2	R88D-KT15H				
	400 V	100x100	4.77 Nm	1.5 kW	R88M-K1K530(H/T)-(B)S2	R88D-KT15H	91	170	150	
			2.39 Nm	750 W	R88M-K75030(F/C)-(B)S2	R88D-KT10F				
			3.18 Nm	1 kW	R88M-K1K030(F/C)-(B)S2	R88D-KT15F				
		120x120	4.77 Nm	1.5 kW	R88M-K1K530(F/C)-(B)S2	R88D-KT15F	94	193,5	198	
			6.37 Nm	2 kW	R88M-K2K030(F/C)-(B)S2	R88D-KT20F				
			9.55 Nm	3 kW	R88M-K3K030(F/C)-(B)S2	R88D-KT30F				
130x130	12.7 Nm	4 kW	R88M-K4K030(F/C)-(B)S2	R88D-KT50F	130	212	250			
	15.9 Nm	5 kW	R88M-K5K030(F/C)-(B)S2	R88D-KT50F						
	4.77 Nm	1 kW	R88M-K1K020(H/T)-(B)S2	R88D-KT10H						
2000	230 V	130x130	7.16 Nm	1.5 kW	R88M-K1K520(H/T)-(B)S2	R88D-KT15H	91	170	150	
			1.91 Nm	400 W	R88M-K40020(F/C)-(B)S2	R88D-KT06F				
			2.86 Nm	600 W	R88M-K60020(F/C)-(B)S2	R88D-KT06F				
		400 V	100x100	4.77 Nm	1 kW	R88M-K1K020(F/C)-(B)S2	R88D-KT10F	94	193,5	198
				7.16 Nm	1.5 kW	R88M-K1K520(F/C)-(B)S2	R88D-KT15F			
				9.55 Nm	2 kW	R88M-K2K020(F/C)-(B)S2	R88D-KT20F			
	130x130	14.3 Nm	3 kW	R88M-K3K020(F/C)-(B)S2	R88D-KT30F	130	212	250		
		19.1 Nm	4 kW	R88M-K4K020(F/C)-(B)S2	R88D-KT50F					
		23.9 Nm	5 kW	R88M-K5K020(F/C)-(B)S2	R88D-KT50F					
	1500	400 V	176x176	47.8 Nm	7.5 kW	R88M-K7K515C-(B)S2	R88D-KT75F	233	334	250
				70.0 Nm	11 kW	R88M-K11K015C-(B)S2	R88D-KT150F			
			220x220	95.5 Nm	15 kW	R88M-K15K015C-(B)S2	R88D-KT150F	261	270	450
8.59 Nm		900 W		R88M-K90010(H/T)-(B)S2	R88D-KT15H					
8.59 Nm		900 W		R88M-K90010(F/C)-(B)S2	R88D-KT15F					
1000		230 V	130x130	19.1 Nm	2 kW	R88M-K2K010(F/C)-(B)S2	R88D-KT30F	130	212	250
	28.7 Nm			3 kW	R88M-K3K010(F/C)-(B)S2	R88D-KT50F				
	400 V		130x130	43.0 Nm	4.5 kW	R88M-K4K510C-(B)S2	R88D-KT50F	233	334	250
		57.3 Nm		6 kW	R88M-K6K010C-(B)S2	R88D-KT75F				
		176x176	19.1 Nm	2 kW	R88M-K2K010(F/C)-(B)S2	R88D-KT30F	130	212	250	
	28.7 Nm	3 kW	R88M-K3K010(F/C)-(B)S2	R88D-KT50F						

#### Flange dimensions



#### Motor model type designation detail

**H**= 230 V and Incremental Encoder  
**T**= 230 V and Absolute Encoder  
**F**= 400 V and Incremental Encoder  
**C**= 400 V and Absolute Encoder  
**B**= Motor with Brake (Blank=No brake)

#### Drive dimensions



### Software

Description	Model
Software tool with Drive Programming functionality (CX-Drive version 2.10 or higher)	CX-Drive

**Note:** Drive Programming is available in the Accurax G5 Analogue/ Pulse model with firmware 1.10 or higher.

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# ACCURAX G5 SERVO DRIVE

Expanded with Programming Functionality



**accurax**

» Safety and full closed loop built-in

» Integrated positioner as standard

» For stand-alone applications

realizing

# Accurax G5

## Built-in positioning with indexer functionality

The Accurax G5 Analogue/Pulse series is supplied with an integrated positioner as standard. The positioner programmability is provided to the user via a Drive Programming environment, and it is ideal for simple positioning solutions like assembly machines, sorting and pick and place applications. The Drive Programming editor is included in the CX-Drive tool.

### Full closed loop

- Built-in external encoder input for high accuracy
- The external encoder can be selected between phase AB output and incremental or absolute encoder with serial communication

### Programming I/O

- 10 general purpose input signals: up to 5 digital inputs to select the individual commands or sequences, strobe function, run, etc
- 4 general purpose output signals - 1 output signal fixed to alarm output

### Accurax G5 servo system

- Wide range of motors from 50 W up to 15 kW
- High-response frequency of 2 kHz
- Load vibration suppression
- Embedded Safety conforming ISO13849-1 Performance Level d
- Advanced tuning algorithms (Anti-vibration function, torque feedforward, disturbance observer)
- Drives available for multi axes applications with EtherCAT built-in



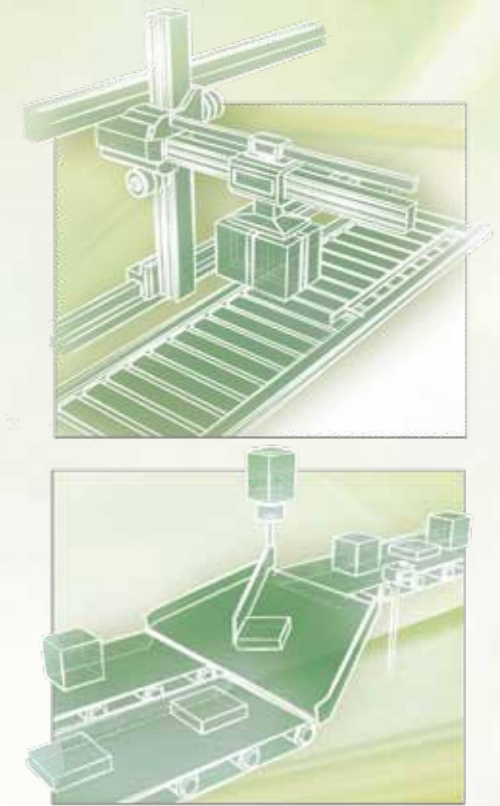
### Safety conformance

- PL-d according ISO13849-1
- STO: IEC61800-5-2
- SIL2 according to EN61508



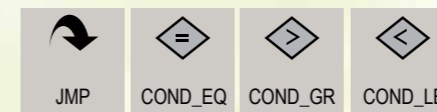
### Programming functionality

- Point-to-point positioning functions
- Position and speed control modes. Torque limit function
- Up to 32 indexing points
- Same positioning performance as with the analogue/pulse input command



## GRAPHICAL PROGRAMMING

### Control Commands



### Motion Commands



- Set of graphical functions for intuitive programming
- Flow Chart programming language
- Conditional functions for I/O signals, command/current position, position error pulse, command/motor velocity, command torque
- Velocity update on the fly
- Standard USB programming port

