

## 1. AS320 Elevator Inverter (Close Loop)



### Main Features

- Use 32-bit MCU, faster running speed leads to more accurate speed control
- Use PIM module, lower loss in switch on and off and longer lifetime
- Support one main contactor solution
- Support gear and gearless motor
- Creative Zero-speed torque compensation technology provides the elevators with good starting ride quality without installing weighing devices
- Close-loop vector brings higher performance in control
- New PWM dead-zone compensation technology brings less energy loss
- Dynamic PWM carrier modulation technology brings less motor noise
- Passed the CE and UL certifications

### Main Features

Model AS320	Rated capacity (kVA)	Rated output current (A)	Adaptation rated power of motor (kW)	Model AS320	Rated capacity (kVA)	Rated output current (A)	Adaptation rated power of motor (kW)
200V-Level frequency converter				400V-Level frequency converter			
2S01P1	2.3	6.0	1.1	4T01P1	2.7	3.5	1.1
2S02P2	4.6	12	2.2	4T02P2	4.7	6.2	2.2
2S03P7	6.9	18	3.7	4T03P7	6.9	9	3.7
2T05P5	9.5	25	5.5	4T05P5	8.5	13	5.5
2T07P5	12.6	33	7.5	4T07P5	14	18	7.5
2T0011	17.9	47	11	4T0011	18	27	11
2T0015	23	60	15	4T0015	24	34	15
2T18P5	29	75	18.5	4T18P5	29	41	18.5
2T0022	32	80	22	4T0022	34	48	22
				4T0030	50	65	30
				4T0037	61	80	37
				4T0045	74	97	45
				4T0055	98	128	55
				4T0075	130	165	75

### Technical Indicators

Item		Indicators
Maximum output voltage		Input voltage
Input power supply	Number of phases, voltage, and frequency	200V-level: $\leq 3.7$ kW single phase or three phase 220V 50/60Hz; > 3.7 kW three phase 220V, 50/60Hz 400V-level: three phase 380V, 50/60Hz
	Voltage range	15%~+10%
	Frequency range	-5%~+5%
	Instantaneous voltage drop	200V-level: input voltage < AC180V, low-voltage protection after 15 ms running 400V-level: input voltage < AC300V, low-voltage protection after 15 ms running
Control features	Control mode	Close loop vector control
	Overload capacity	0Hz, 150%; < 3Hz, 160%; > 3Hz, 200%
	Braking torque	150% (External brake resistor), built-in brake unit
Protection grade		IP20
Installation mode		Installed in the cabinet