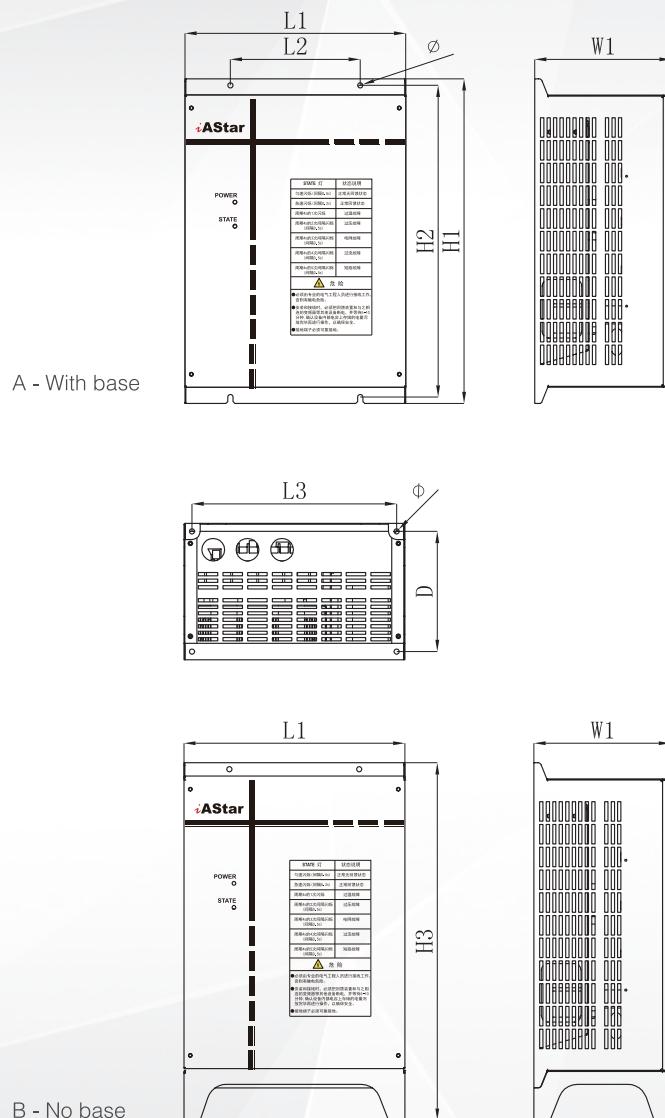


1. AS380 Elevator Serial Integrated Controller



Installation Information

(V)	(kW)	L1 (mm)	L2 (mm)	L3 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	W1 (mm)	D (mm)	Ø (mm)
400	11-15 KW	270	200	245	400	380	450	200	175	8
	18.5-30 KW	340	270	315	520	500	570	215	190	8

Main Features

- Prefect integration of control and drive of elevator leads to compact structure, few wiring, high reliability, easy operation and cost efficiency
- Double 32-bit MCU combines the elevator control and motor control
- Redundant safety design , double safety protection for control and drive
- CAN bus communication make the whole system easily, fast and reliable.
- Support traditional group control and destination dispatching control
- Support one main contactor solution
- Support gear and gearless motor
- Use PIM module, lower loss in switch on and off and longer lifetime,
- 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

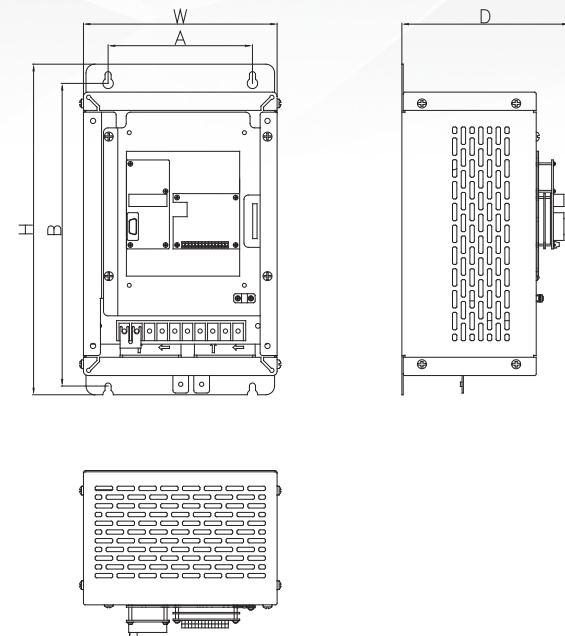
Integrated Controller

Specification Data

Model AS380	Rated capacity (kVA)	Rated output current (A)	Rated power of motor (kW)	Model AS380	Rated capacity (kVA)	Rated output current (A)	Rated power of motor (kW)
200V-level				400V-level			
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: ≤3.7kW single phase or 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
Basic features	Floor number 2-64
	Elevator rated speed ≤4.00m/s
	Group control units ≤8 units
	Communication mode CAN-Bus
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



Installation Information

Model AS380	A (mm)	B (mm)	H (mm)	W (mm)	D (mm)	Installation aperture <Φ(mm)	Installation			Tightening torque (Nm)	Mass (kg)
							Bolt	Nut	Gasket		
2S01P1	100	288.5	300	160	166	5.0	4M4	4M4	4Φ4	2	4.5
2S02P2	165.5	357	379	222	185	7.0	4M6	4M6	4Φ6	3	8.2
2S03P7	165	440	465	254	261	7.0	4M6	4M6	4Φ6	3	10.3
2T05P5	100	288.5	300	160	166	5.0	4M4	4M4	4Φ4	2	4.5
2T07P5	165.5	357	379	222	192	7.0	4M6	4M6	4Φ6	3	8.2
2T0011	165.5	392	414	232	192	7.0	4M6	4M6	4Φ6	3	10.3
2T0015	200	512	530	330	290	9.0	4M8	4M8	4Φ8	6	30
2T18P5	200	512	530	330	290	9.0	4M8	4M8	4Φ8	9	30
2T0022	200	587	610	330	310	10.0	4M8	4M8	4Φ8	9	42
4T0030	200	587	610	330	310	10.0	4M10	4M10	4Φ10	14	42
4T0037	320	718	750	430	351	13.0	4M13	4M13	4Φ13	29	79.5
4T0045											
4T0055											
4T0075											