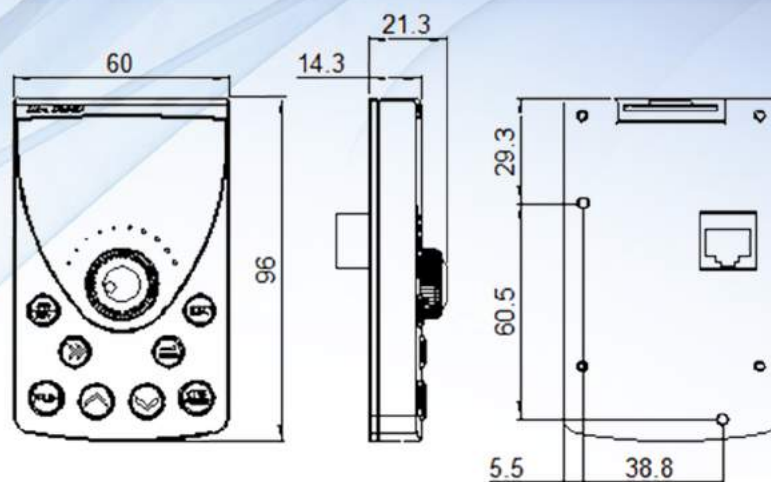




HIGH-PERFORMANCE CURRENT VECTOR CONTROL INVERTER

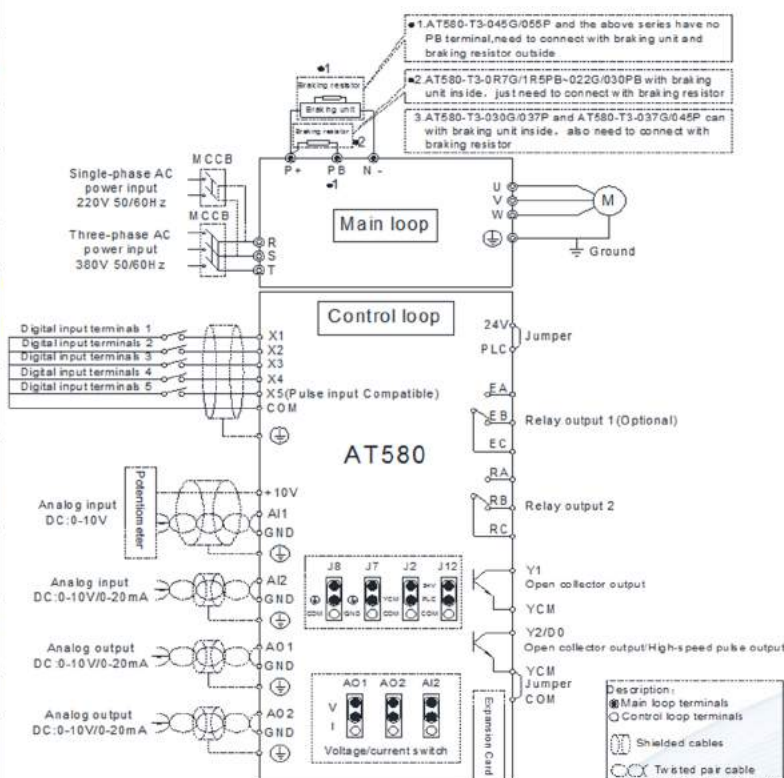
Address: 56, Kashmir Road, Amin Town, Faisalabad, Pakistan

Tel: 0303-6662809, 0306-3480709



Appearance and installation size of the keyboard

Project	Specification	
Maximum frequency	0~320Hz	
Carrier frequency	0.5kHz~16.0kHz The carrier frequency is automatically adjusted based on the temperature	
Input frequency resolution	Digital setting: 0.01Hz Analog setting: maximum frequency×0.025%	
Control mode	Voltage Frequency(V/F) control Switching vector control (SVC) Forward vector control (FVC)	
Speed stability accuracy	±0.5%(SVC)	±0.02%(FVC)
Overload capacity	G type: 60s for 150% of rated current and 3s for 180% of rated current P type: 60s for 120% of rated current and 3s for 150% of rated current	
V/F curve	Straight-line V/F curve Multi-point V/F curve Square V/F curve	
Ramp mode	Straight-line ramp S-curve ramp Four groups of acceleration/deceleration time with the range of 0.0~6500.0s	
DC braking	DC braking frequency: 0.00 Hz to maximum frequency Braking time: 0.0~100.0s Braking action current value: 0.0%~100.0%	
Simple PLC, multi-speed running	It implements up to 16 speeds via the simple PLC function or combination of DI terminal states.	
Built-in PID	It implements the closed-loop process control system easily.	
Standard functions	Overvoltage/Overcurrent stall control	The current and voltage are limited automatically during the running process so as to avoid frequent tripping due to overvoltage/overcurrent.
Individualized functions	High performance	Control of asynchronous motor is implemented through the high-performance current vector control technology.
	Timing control	Time range: 0.0~6500.0 minutes
	RS485 bus support	Modbus-RTU protocol
Running	Running command source	• Operation panel control • Terminal control • Communication control You can perform switch over between these sources in various ways.
	Frequency source	There are a total of five frequency sources, such as digital setting, analog voltage setting, analog current setting, pulse setting and communication setting. You can perform switch over between these sources in various ways.
	Protection function	Motor short-circuit detection at power-on, input/output phase loss protection, overcurrent protection, over voltage protection, under voltage protection, overheat protection and overload protection.
Environment	Installation location	Indoor, free from direct sunlight, dust, corrosive gas, combustible gas, oil smoke, vapour, drip or salt.
	Altitude	Lower than 1000 m (de-rated if higher than 1000 m)
	Ambient	-10°C to +50°C
	temperature	
	Humidity	Less than 95%RH, without condensing
	Vibration	Less than 5.9 m/s ² (0.6 g)
	Storage temperature	-20°C~+60°C



Model	Power capacity (kVA)	Input current (A)	Output current (A)	kW	HP
Single phase: 220V, 50/60Hz					
AT500-S2-0R4GB	1	5.4	2.3	0.4	0.5
AT500-S2-0R7GB	1.5	8.2	4	0.75	1
AT500-S2-1R5GB	3	14	7	1.5	2
AT500-S2-2R2GB	4	23	9.6	2.2	3
Three phase: 380V, 50/60Hz					
AT500-T3-0R7G/1R5PB	1.5	3.4	2.1	0.75	1
AT500-T3-1R5G/2R2PB	3	5	3.8	1.5	2
AT500-T3-2R2G/4R0PB	4	5.8	5.1	2.2	3
AT500-T3-4R0G/5R5PB	5.9	10.5	9	3.7	5
AT500-T3-5R5G/7R5PB	8.9	14.6	13	5.5	7.5
AT580-T3-7R5G/011PB	11	20.5	17	7.5	10
AT580-T3-011G/015PB	17	26	25	11	15
AT580-T3-015G/018PB	21	35	32	15	20
AT580-T3-018G/022PB	24	38.5	37	18.5	25
AT580-T3-022G/030PB	30	46.5	45	22	30
AT580-T3-030G/037P	40	62	60	30	40
AT580-T3-037G/045P	57	76	75	37	50
AT580-T3-045G/055P	69	92	91	45	60
AT580-T3-055G/075P	85	113	112	55	75
AT580-T3-075G/090P	114	157	150	75	100
AT580-T3-090G/110P	134	180	176	90	125
AT580-T3-110G/132P	160	214	210	110	150
AT580-T3-132G/160P	192	256	253	132	180
AT580-T3-160G/185P	231	307	304	160	210
AT580-T3-200G/220P	250	385	377	200	270