

Altivar Easy 310

Variable speed compact drives for three-phase 380...460V to meet most common applications

A reliable, easy to use, cost-effective solution to compact machines

The Altivar™ Easy310 drive is a frequency inverter for three-phase 380...460V asynchronous motors rated from 0.37kW/0.5 HP to 11kW/15 HP. Widely used but not limited to textile machine, machine tools, wood making machine, material handling, packaging and printing machines, ceramic machine.



Main Features

- > Power range: 0.37~11kW
- > Main voltage range: 380VAC 3 phase(380V~460V)
- > Control capacity: U/F, vector control, U2/F
- > Power-off download
- > Cooling fan control: Temperature control&Synchro operation
- > Assigned speed up/down

Display Terminal

- > Integrated display: 4-digit display
- > Remote display terminal (option):
 - Remote terminal with cover closed
 - Remote terminal with cover
- > Open: RUN, FWD/REV and STOP buttons accessible

Control I/O

Control terminal :

- > Analog input AI1
 - > Analog output AO1
 - > Relay outputs R1A, R1B, -R1C
 - > Logic inputs LI1...LI4
 - > Logic outputs LO+, LO
- Communication:
- > Modbus communication protocol

Selection Guide

Three-phase 380...460V asynchronous motors rated from 0.37 kW/0.5 HP to 11 kW/15 HP

Motor		Line supply		Altivar Easy 310					Reference
Power indicated on rating plate		Max. line current (2)		Apparent power	Max. prospective line Isc	Maximum continuous output current (In)	Maximum transient current for 60 s	Dissipated power at maximum output current (In)	
		380V	460V						
kW	HP	A	A	kVA	kA	A	A	W	
0.37	0.5	2.1	1.8	1.4	5	1.5	2.3	19.63	ATV310H037N4E
0.75	1	3.5	3.1	2.5	5	2.3	3.5	28.83	ATV310H075N4E
1.5	2	6.5	5.4	4.3	5	4.1	6.2	51.82	ATV310HU15N4E
2.2	3	8.8	7.2	5.7	5	5.5	8.3	66.32	ATV310HU22N4E
3	4	11.1	9.2	7.3	5	7.1	10.7	80.24	ATV310HU30N4E
4	5	13.7	11.4	9.1	5	9.5	14.3	102.72	ATV310HU40N4E
5.5	7.5	21.3	14.3	11.4	22	12.6	18.9	141.54	ATV310HU55N4E
7.5	10	26.6	22.4	17.8	22	17	25.5	203.87	ATV310HU75N4E
11	15	36.1	30.4	24.2	22	24	36	294.70	ATV310HD11N4E