

Easy Altivar 610 - IP 20 drives (Power range from 0.75 kW to 160 kW)



Three-phase supply voltage: 380...460 V 50/60 Hz, with integrated category C3 EMC filter

ND: Normal duty (2), HD: Heavy duty (3)		kW	HP	kW	HP	kW	HP	kW	HP	kW	HP	
Motor (1)	Power indicated on rating plate	ND	0.75	0.37	1.5	0.75	2.2	1.5	3	2.2	4	3
		HD	1	0.5	2	1	3	2	4	3	5	–
Easy Altivar 610	Max. continuous output current (1)		2.2	1.5	4.0	2.2	5.6	4.0	7.2	5.6	9.3	7.2
Dimensions: W x H x D (mm)	EMC plate not mounted (mm)	145 x 297 x 203 ①										
Reference		ATV610U07N4		ATV610U15N4		ATV610U22N4		ATV610U30N4		ATV610U40N4		

ND: Normal duty (2), HD: Heavy duty (3)		kW	HP	kW	HP	kW	HP	kW	HP	kW	HP		
Motor (1)	Power indicated on rating plate	ND	5.5	4	7.5	5.5	11	7.5	15	11	18.5	15	
		HD	7.5	5	10	7.5	15	10	20	15	25	20	
Easy Altivar 610	Max. continuous output current (1)		12.7	9.3	15.8	12.7	23.5	16.5	31.7	23.5	39.2	31.7	
Dimensions: W x H x D (mm)	EMC plate not mounted (mm)	145 x 297 x 203 ①				171 x 360 x 233 ②				211 x 495 x 232 ③			
Reference		ATV610U55N4		ATV610U75N4		ATV610D11N4		ATV610D15N4		ATV610D18N4			

ND: Normal duty (2), HD: Heavy duty (3)		kW	HP	kW	HP	kW	HP	kW	HP	kW	HP	
Motor (1)	Power indicated on rating plate	ND	22	18.5	30	22	37	30	45	37	55	45
		HD	30	25	40	30	50	40	60	50	75	60
Easy Altivar 610	Max. continuous output current (1)		46.3	39.2	61.5	46.3	74.5	59.6	88	74.5	106	88
Dimensions: W x H x D (mm)	EMC plate not mounted (mm)	211 x 495 x 232 ③		226 x 613 x 271 ④				290 x 762 x 323 ⑤				
Reference		ATV610D22N4		ATV610D30N4		ATV610D37N4		ATV610D45N4		ATV610D55N4		

ND: Normal duty (2), HD: Heavy duty (3)		kW	HP	kW	HP	kW	HP	kW	HP	kW	HP	
Motor (1)	Power indicated on rating plate	ND	75	55	90	75	110	90	132	110	160	132
		HD	100	75	125	100	149	125	178	149	216	178
Easy Altivar 610	Max. continuous output current (1)		145	106	173	145	211	173	250	211	302	250
Dimensions: W x H x D (mm)	EMC plate not mounted (mm)	290 x 762 x 323 ⑤				320 x 852 x 390 ⑥						
Reference		ATV610D75N4		ATV610D90N4		ATV610C11N4		ATV610C13N4		ATV610C16N4		

- (1) These values are given for a nominal switching frequency of 4 kHz up to ATV610D45N4, or 2.5 kHz for ATV610D55N4...C16N4 for use in continuous operation. The switching frequency is adjustable from 2...12 kHz up to ATV610D45N4, or from 1...8 kHz for ATV610D55N4...C16N4. Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see the derating curves on our website).
- (2) Values given for applications requiring a slight overload (up to 110 % for 60 s or 120% for 20 s).
- (3) Values given for applications requiring a slight overload (up to 150 % for 60 s).
- (4) With IP21 conformity kit.

Easy Altivar 610 - Accessories for mounting of variable speed drives



Kit for IP 21 conformity		
For use with variable speed drives	ATV610C11N4... C16N4	
Power	kW	110...160
	HP	149...216
Reference	VW3A9704	

Easy Altivar 610 - Configuration and runtime tools, Communication buses and networks



Plain text display terminal

Degree of protection	IP21
Display type	Backlit LCD screen white
Pixel resolution	128 x 64
Reference	VW3A1113



Remote mounting kit

Type of product	Remote mounting kit for plain text display terminal 1	Tightening tool for remote mounting kit 2	Remote mounting cordset (equipped with 2 RJ45 connectors) 3			
Degree of protection	IP20	–	–	–	–	–
Length (m)	–	–	1	3	5	10
Connector type	–	–	RJ45	–	–	–
Reference	VW3A1114	ZB5AZ905	VW3A1104R10	VW3A1104R30	VW3A1104R50	VW3A1104R100



I/O modules (option)

I/O type	Digital inputs	6	–
	Digital outputs	2	–
	Analog inputs	2 (1)	–
	Relay outputs	–	3 (2)
Reference		VW3A3203	VW3A3204



PROFIBUS DP V1 optional communication module

Electrical connection	1 female connector SUB-D 9
Transmission rate	9.6 kbps...12 Mbps
Display type	1 LED for RUN, 1 LED for bus fault
Bus profile	PROFdrive, CiA 402
Reference	VW3A3607

(1) Differential analog inputs configurable via software as current (0-20 mA/4-20 mA) or probe (PTC, PT100, or 2-wire or 3-wire PT1000) inputs. When configured as PTC probe inputs, they must never be used to protect an ATEX motor in applications in explosive atmospheres. Please refer to the "ATEX guide" on our website.
(2) NO contacts.



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