

Altistart™ 22 Soft Starters

The Altistart 22 is designed for commercial and normal duty industrial applications, it uses both voltage and torque control to provide a soft start and soft stop for three-phase asynchronous motors between 17 A and 590 A. The conformal-coated, printed circuit boards provide enhanced resistance to harsh environments, increasing the service life of installations and lowering maintenance costs.

Select the Altistart 22 soft starter using the nameplate full-load ampere rating of the motor and the table below. The horsepower ratings are for reference only.



Table 26.27: Altistart 22 Selection [1]

208 V	230 V	400 kW	460 V	575 V	Rated A	Softstart Reference [2] or [3]	Dimensions (inches)			Frame Size
							W	H	D	
3	5	5.5	10	15	17	ATS22D17S6,S6U	5.1	9.8	6.6	A
7.5	10	11	20	25	32	ATS22D32S6,S6U	5.1	9.8	6.6	A
— [4]	15	18.5	30	40	47	ATS22D47S6,S6U	5.1	9.8	6.6	A
15	20	22	40	50	63	ATS22D62S6,S6U	5.7	10.9	8.1	B
20	25	30	50	60	75	ATS22D75S6,S6U	5.7	10.9	8.1	B
25	30	37	60	75	88	ATS22D88S6,S6U	5.7	10.9	8.1	B
30	40	45	75	100	110	ATS22C11S6,S6U	5.9	13	9	C
40	50	55	100	125	140	ATS22C14S6,S6U	5.9	13	9	C
50	60	75	125	150	170	ATS22C17S6,S6U	5.9	13	9	C
60	75	90	150	200	210	ATS22C21S6,S6U	8.1	15.6	11.8	D
75	100	110	200	250	250	ATS22C25S6,S6U	8.1	15.6	11.8	D
100	125	132	250	300	320	ATS22C32S6,S6U	8.1	15.6	11.8	D
125	150	160	300	350	410	ATS22C41S6,S6U	8.1	15.6	11.8	D
150	—	220	350	400	480	ATS22C48S6,S6U	11.9	16.8	13.4	E
—	200	250	400	500	590	ATS22C59S6,S6U	11.9	16.8	13.4	E

Table 26.28: Maximum Number of Starts/Stops per Hour

Catalog Number	Number of starts/Stops per Hour
ATS22D17S6U–D88S6U	6 (up to 10 with optional fan)
ATS22C11S6U–C17S6U	4 (up to 10 with optional fan)
ATS22C21S6U–C59S6U	4 (comes with fan)

Altistart™ 22 Options: Fans and Accessories

Table 26.29: Altistart 22 Accessories Selection

Description	Length	Catalog Number
Software		
SoMove™	This software enables the user to configure, set, debug and organize maintenance task for the complete Altivar product line and the Altistart 22 and Altistart 48 soft starters. It can also be used to customize the integrated display terminal menus. It can be used with a direct connection or a Bluetooth® wireless connection. Free download www.schneider-electric.us	
User Interface Kits		
Cable	USB/RS485 cord set (equipped with RJ45 socket)	TCSMCNAM3M002P
Remote Keypad	IP54/NEMA® 12 keypad	VW3G22101
	IP65 keypad	VW3G22102 [5]
Remote Keypad Cords Equipped with 2 RJ45 Connectors	3 FT length	VW3A1104R10
	9 FT length	VW3A1104R30
Modbus Serial Link Connection via splitter box and RJ45 connectors	Modbus™ splitter box (with 10 RJ45 Connectors)	LU9GC3
	Cordsets for Modbus serial link (with 2 RJ45 connectors)	.3 m VW3A8306R03
		1 m VW3A8306R10
		3 m VW3A8306R30
	Modbus T-junction boxes (with integrated cables)	.3 m VW3A8306TF03
		1 m VW3A8306TF10
	RJ45 Line Terminators (Sold in lots of 2)	VW3A8306RC
Altivar and Altistart Programming Cable	30-Pin mobile to RS-485 converter	2 m VW3A8151R20U

Table 26.30: Altistart 22 Fans Selection

Power Supply Voltage For Control	For Use On Altistart	Catalog Number
The ATS22C21S6,S6U..C59S6,S6U units come with an integrated fan. The ATS22D17S6,S6U..C17S6,S6U units are ventilated by means of natural ventilation. For more demanding applications, such as those with a greater number of starts, the Altistart 22 range offers fans as an option. The fans are powered by the Altistart 22 unit and attach to the back of the device. The fan's noise level is less than 60 dBA.		
220 V	ATS22D17–D47S6	VW3G22400
	ATS22D62–D88S6	VW3G22401
	ATS22C11–C17S6	VW3G22402
110 V	ATS22D17–D47S6U	VW3G22U400
	ATS22D62–D88S6U	VW3G22U401
	ATS22C11–C17S6U	VW3G22U402

[1] Motor full load amperate (FLA) must not exceed the ampere ratings of the soft starter.

[2] S6 = 208–600 line voltage, 220 V control voltage

[3] S6U = 208–600 line voltage, 110 V control voltage

[4] Value not indicated when there is no corresponding standardized motor.

[5] A remote keypad cord set is required.