

Altivar™ 12 Drives

Big function in a small footprint. The Altivar 12 variable frequency drive combines flexibility, reliability, and the most advanced sensorless flux vector technology into very small space. This drive features an integrated communications port, user-friendly navigation wheel on the faceplate, and an optional multi-loader that streamlines set-up by making programming quick and easy. All of this comes with the versatility to handle applications from simple to complex, across industries, and harsh environments.



Altivar 12 Drive

Table 26.3: Altivar 12 Selection

Voltage, +10%, -15%, 50/60 Hz		Motor Power		Nominal Current Rating A (Note 1)	Catalog Number (Note 2)
Input	Output	kW	hp		
11 V Single Phase	230 V Three Phase	0.18	0.25	1.4	ATV12H018F1
		0.37	0.5	2.4	ATV12H037F1
		0.37	0.5	2.4	ATV12P037F1
		0.75	1	4.2	ATV12H075F1
230 V Single Phase	230 V Three Phase	0.18	0.25	1.4	ATV12H018M2
		0.37	0.5	2.4	ATV12H037M2
		0.37	0.5	2.4	ATV12P037M2
		0.55	0.75	3.5	ATV12H055M2
		0.55	0.75	3.5	ATV12P055M2
		0.75	1	4.2	ATV12H075M2
		0.75	1	4.2	ATV12P075M2
		1.5	2	7.5	ATV12HU15M2
		2.2	3	10	ATV12HU22M2
		0.18	0.25	1.4	ATV12H018M3
230 V Three Phase	230 V Three Phase	0.37	0.5	2.4	ATV12H037M3
		0.37	0.5	2.4	ATV12P037M3
		0.75	1	4.2	ATV12H075M3
		0.75	1	4.2	ATV12P075M3
		1.5	2	7.5	ATV12HU15M3
		1.5	2	7.5	ATV12PU15M3
		2.2	3	10	ATV12HU22M3
		2.2	3	10	ATV12PU22M3
		3	-	12.2	ATV12HU30M3
		3	-	12.2	ATV12PU30M3
		3.7	5	16.7	ATV12HU40M3
		3.7	5	16.7	ATV12PU40M3

Altivar™ 12 Accessories

Table 26.4: Altivar 12 Options and Accessories

Description	Part Number	For Use on Drives
Remote Keypad Display for ATV12 (IP54)	VW3A1006	All
Remote Keypad Display for ATV12 (IP65)	VW3A1007	All
Cable for remote mounting: 1 meter	VW3A1104R10	All
Cable for remote mounting: 3 meters	VW3A1104R30	All
Cable for remote mounting: 5 meters	VW3A1104R50	All
Cable for remote mounting: 10 meters	VW3A1104R100	All
EMC Conformity Kit	VW3A9523	ATV12H018F1, H037F1 ATV12H018M2–H075M2 ATV12H018M3–H075M3 ATV12P037F1 ATV12P037M2–P075M2 ATV12P037M3–P075M3
EMC Conformity Kit	VW3A9524	ATV12H075F1 ATV12HU15M2, HU22M2 ATV12HU15M3, HU22M3 ATV12PU15M3, PU22M3
EMC Conformity Kit	VW3A9525	ATV12HU30M3 ATV12HU40M3
EMC Filters for C1, C2, C3	VW3A4416	ATV12H018F1, H037F1 ATV12H018M2–H075M2 ATV12P037F1 ATV12P037M2–P075M2
EMC Filters for C1, C2, C3	VW3A4417	ATV12H075F1 ATV12HU15M2, HU22M2
EMC Filters for C1, C2, C3	VW3A4418	ATV12H018M3–H075M3 ATV12P037M3–P075M3
EMC Filters for C1, C2, C3	VW3A4419	ATV12HU15M3, HU22M3 ATV12PU15M3, PU22M3
15/24 voltage converter	VW3A9317	All
Mounting Plate for 35 mm DIN rail	VW3A9804	ATV12H018F1, H037F1 ATV12H018M2–H075M2 ATV12H018M3–H075M3
Mounting Plate for 35 mm DIN rail	VW3A9805	ATV12H075F1 ATV12HU15M2, HU22M2 ATV12HU15M3, HU22M3

Table 26.5: Altivar 12 Configuration Tools

Description	Part Number	For Use on Drives
Simple Loader: to transfer configuration between like drives. For use with the Altivar product line.	VW3A8120	ATV12, ATV312, ATV61, and ATV71
Multi-loader: to transfer a configuration from a drive or from SoMove via an SD card, and transferring to another drive or to a PC	VW3A8121	ATV12, ATV312, ATV61, and ATV71
Cable: for connection between the MultiLoader and an ATV12 that is in its packaging	VW3A8126	All
USB to RJ45 adaptor: for use in connecting to a PC with a USB port	TCSMCNAM3M002P	Compatible device families: Advantys™ OTB, Altistart™ soft starters, Altivar series including HMI, Altivar controller