

Selection guide

Altivar 71

Schneider Electric Industries SAS

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Due to possible changes in standards and equipment, the features described in this document in the form of text and images are subject to confirmation by Schneider Electric.

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Schneider
 **Electric**

efesotomasyon.com

Type of drive
Supply voltage

IP20
200... 240 V
Single-phase Three-phase

IP20
380... 480 V
Three-phase

IP20
500... 690 V
Three-phase

IP54
380... 480 V
Three-phase

Dimensions
(in mm)
width x height x depth

Degree of protection			IP21 and IP41 on the upper part						IP54 drive available in two standard versions, ATV61W...N4 C2 EMC or ATV61W...N4C C1 EMC					
Output frequency			0.1...500 Hz for the entire range 0.1...599 Hz up to 37 kW in 200...240 V and 380...480 V											
Type of control			Asynchronous motor: flux vector control with or without sensor, voltage/frequency ratio (2 or 5 points), ENA System Synchronous motor: vector control with or without speed feedback (1 to 100)											
Speed range I/O	Analog inputs	2... 4 switch-configurable current or voltage analog inputs, and 1 configurable voltage analog input or PTC probe input												
	Logic inputs	6... 20 programmable logic inputs												
	Analog outputs	1...3 switch-configurable current or voltage analog outputs												
	Logic outputs	0...8 logic outputs												
	Relay outputs	2...4 relay logic outputs												
Dialogue Communication			Integrated display terminal with local controls, remote display terminal or PC software											
Option card			Single-phase			Three-phase			Three-phase			Three-phase		
EMC filter	Integrated As an option	EMC C2/C3 Class A	EMC C2/C3 Class A		EMC C2/C3 Class A		EMC C3 Class A		EMC C2 Class A		EMC C1 Class B			
		EMC C1 Class B	EMC C1 Class B		EMC C1 Class B		-		EMC C1 Class B		-			
Motor power	kW	0.37	ATV71H075M3	S2										
		0.75	ATV71HU15M3	S2	ATV71H075M3	S2	ATV71H075N4	S2		ATV71W075N4 (3)	SA2	ATV71W075N4C	SA2	
		1.5	ATV71HU22M3	S3	ATV71HU15M3	S2	ATV71HU15N4	S2		ATV71WU15N4 (3)	SA2	ATV71WU15N4C	SA2	
		2.2	ATV71HU30M3	S3	ATV71HU22M3	S3	ATV71HU22N4	S2	ATV71HU22Y	S6	ATV71WU22N4 (3)	SA2	ATV71WU22N4C	SA2
		3	ATV71HU40M3 (1)	S3	ATV71HU30M3	S3	ATV71HU30N4	S3	ATV71HU30Y	S6	ATV71WU30N4 (3)	SA2	ATV71WU30N4C	SA2
		4	ATV71HU55M3 (1)	S4	ATV71HU40M3	S3	ATV71HU40N4	S3	ATV71HU40Y	S6	ATV71WU40N4 (3)	SA3	ATV71WU40N4C	SA3
		5.5	ATV71HU75M3 (1)	S5A	ATV71HU55M3	S4	ATV71HU55N4	S4	ATV71HU55Y	S6	ATV71WU55N4 (3)	SA3	ATV71WU55N4C	SA3
		7.5			ATV71HU75M3	S5A	ATV71HU75N4	S4	ATV71HU75Y	S6	ATV71WU75N4 (3)	SB	ATV71WU75N4C	SB
		11			ATV71HD11M3X (2)	S5B	ATV71HD11N4	S5A	ATV71HD11Y	S6	ATV71WD11N4 (3)	SB	ATV71WD11N4C	SB
		15			ATV71HD15M3X (2)	S5B	ATV71HD15N4	S5B	ATV71HD15Y	S6	ATV71WD15N4 (3)	SC	ATV71WD15N4C	SC
		18.5			ATV71HD18M3X (2)	S6	ATV71HD18N4	S5B	ATV71HD18Y	S6	ATV71WD18N4 (3)	SD	ATV71WD18N4C	SD
		22			ATV71HD22M3X (2)	S6	ATV71HD22N4	S6	ATV71HD22Y	S6	ATV71WD22N4 (3)	SD	ATV71WD22N4C	SD
		30			ATV71HD30M3X (2)	S7B	ATV71HD30N4	S7A	ATV71HD30Y	S6	ATV71WD30N4 (3)	SE	ATV71WD30N4C	SE
		37			ATV71HD37M3X (2)	S7B	ATV71HD37N4	S7A	ATV71HD37Y	S8	ATV71WD37N4 (3)	SF	ATV71WD37N4C	SF
		45			ATV71HD45M3X (2)	S7B	ATV71HD45N4	S8	ATV71HD45Y	S8	ATV71WD45N4 (3)	SF	ATV71WD45N4C	SF
		55			ATV71HD55M3X (2)	S9	ATV71HD55N4	S8	ATV71HD55Y	S8	ATV71WD55N4 (3)	SG	ATV71WD55N4C	SG
		75			ATV71HD75M3X (2)	S9	ATV71HD75N4	S8	ATV71HD75Y	S8	ATV71WD75N4 (3)	SG	ATV71WD75N4C	SG
		90			ATV71HD90M3X (2)	S10	ATV71HD90N4 (4)	S9	ATV71HD90Y	S8	ATV71WD90N4 (3)	SG	ATV71WD90N4C	SG
		110					ATV71HC11N4 (4)	S10	ATV71HC11Y (4)	S11				
		132					ATV71HC13N4 (4)	S11	ATV71HC13Y (4)	S11				
160					ATV71HC16N4 (4)	S12	ATV71HC16Y (4)	S11						
200					ATV71HC20N4 (4)	S13	ATV71HC20Y (4)	S13						
220/250					ATV71HC25N4 (4)	S13	ATV71HC25Y (4)	S13						
280					ATV71HC28N4 (4)	S13	ATV71HC31Y (4)	S13						
315					ATV71HC31N4 (4)	S14	ATV71HC31Y (4)	S13						
400					ATV71HC40N4 (4)	S14	ATV71HC40Y (4)	S13						
500					ATV71HC50N4 (4)	S15	ATV71HC50Y (4)	S15						
630							ATV71HC63Y (4)	S15						

IP20			
S2:	130	x 230	x 175
S3:	155	x 260	x 187
S4:	175	x 295	x 187
S5A:	210	x 295	x 213
S5B:	230	x 400	x 213
S6:	240	x 420	x 236
S7A:	240	x 550	x 266
S7B:	320	x 550	x 266
S8:	320	x 630	x 290
S9:	320	x 920	x 377
S10:	360	x 1022	x 377
S11:	340	x 1190	x 377
S12:	440	x 1190	x 377
S13:	595	x 1190	x 377
S14:	890	x 1390	x 377
S15:	1120	x 1390	x 377

IP54			
SA2:	240	x 490	x 272
SA3:	240	x 490	x 286
SB:	260	x 525	x 286
SC:	295	x 560	x 315
SD:	315	x 665	x 315
SE:	285	x 720	x 315
SF:	285	x 880	x 343
SG:	362	x 1000	x 364

- IP54 drive with a Vario switch disconnecter
 - IP23 and IP54 enclosed drives IP54 drives with separate air flow
 - Pre-equipped IP54 enclosure kit
 - Accessories for IP20/IP54 drives
- Refer to the Schneider Electric catalogue

- (1) Used with a line choke.
(2) Supplied without EMC filter.
(3) Replace W with E5 for a drive equipped with a Vario switch disconnecter.
(4) Available as water-cooled version under reference ATV71Q (for further information, please refer to the Schneider Electric catalogue).

*The power outputs listed for the Y range are based on a 690 V power supply; for other voltages please contact our Customer Care Centre.