ENERVEX
VFD VARIABLE FREQUENCY DRIVE
ABB ACS355

3912064 03.16 **Product Information**

Use
The ACS355 Drive is a commercial type variable frequency drive (VFD) programmed specifically to control and adjust the speed of fans and ventilators operating on 3-phase voltage. The ABB ACS355 Drive can be used with ENERVEX fans and ventilators including models BEF, TDF, IPVB and 3-Phase RSVs. It can be used with Electronically Commutated motors and Induction motors.

Description
The VFD includes a removable keypad, built-in mounting brackets and a removable front cover to access control terminals. The built-in LCD display indicates various parameters including motor frequency, amperage and alarm conditions.

ACS355 Drives are available from 1.5 HP through 30 HP in 200 and 400 VAC Input Classes (see back for detailed specifications).

The VFD is pre-programmed by ENERVEX for its specific application. If program changes are necessary, the settings can be adjusted using the VFD keypad panel.

Material
The frame is made of aluminum while the cover is PC/ABS plastic. The enclosure is NEMA 1 rated.

Listings
Tested and listed to UL and cUL standards.

CE compliant.

Warranty
2-Year Factory Warranty. Complete warranty conditions are available from ENERVEX Inc.

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UL File E211945

Specifications are subject to change without notice.

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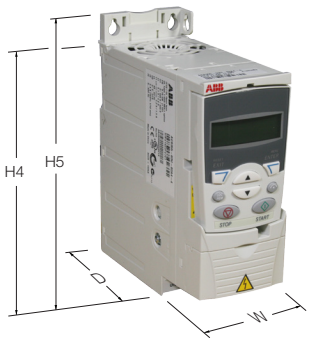
Specifications

Frequency Reference Signal	0-10 VDC
Input Signal	Start/Stop, multistep speed setting
Ambient Temperature	Max. 122°F (50°C)
Ambient Temperature at 100% Load	Max. 122°F (50°C)
Acceleration Time	0.1 to 1800 seconds
Protective Functions	Drive overheating, external fault, CPU malfunction, motor overload, memory error, undervoltage, overvoltage, communication error, ground fault, built-in EMC filter
Communication	Available Options: EthernetIP/Modbus TCP/IP (FENA-01), Internal Modbus RTU



Drive Ratings and Dimensions

200 Volt Input													
Model #	HP	Max. Output Current	Power Supply	Weight		Height (H4)		Height (H5)		Width (W)		Depth (D)	
Item No.		Amps	V	Lbs	kg	in	mm	in	mm	in	mm	in	mm
06A7-2	1.5	6.7	3x200-240	3.5	1.6	10.12	257	11.02	280	2.76	70	6.65	169
07A5-2	2	7.5		3.5	1.6	10.12	257	11.02	280	2.76	70	6.65	169
09A8-2	3	9.8		4.2	1.9	10.12	257	11.10	282	4.13	105	6.65	169
17A6-2	5	17.6		4.2	1.9	10.12	257	11.10	282	4.13	105	6.65	169
24A4-2	7.5	24.4		6.8	3.1	10.24	260	11.77	299	6.65	169	6.97	177
31A0-2	10	31.0		11.0	5.0	10.63	270	12.60	320	10.24	260	6.97	177
46A2-2	15	46.2		11.0	5.0	10.63	270	12.60	320	10.24	260	6.97	177
400 Volt Input													
0343-4	1.5	3.3	3x380-480	3.5	1.6	10.12	257	11.02	280	2.76	70	6.65	169
04A1-4	2	4.1		3.5	1.6	10.12	257	11.02	280	2.76	70	6.65	169
05A6-4	3	5.6		3.5	1.6	10.12	257	11.02	280	2.76	70	6.65	169
08A8-4	5	8.8		3.5	1.6	10.12	257	11.02	280	2.76	70	6.65	169
12A5-4	7.5	12.5		6.8	3.1	10.24	260	11.77	299	6.65	169	6.97	177
15A6-4	10.0	15.6		6.8	3.1	10.24	260	11.77	299	6.65	169	6.97	177
23A1-4	15.0	23.1		6.8	3.1	10.24	260	11.77	299	6.65	169	6.97	177
31A0-4	20.0	31.0		11.0	5.0	10.63	270	12.60	320	10.24	260	6.97	177
38A0-4	25.0	38.0		11.0	5.0	10.63	270	12.60	320	10.24	260	6.97	177
44A0-4	30.0	44.0		11.0	5.0	10.63	270	12.60	320	10.24	260	6.97	177

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