



# EXHAUSTO

## Variable Frequency Drive VFD

### (GE/Fuji Model AF-300 MS II)

#### Description

The GE/Fuji Model AF-300 is an industrial type variable frequency drive that is designed specifically to control and adjust the speed of fans operating with 3x230V AC or 3x480V AC power supply. It is used with the large CASV, Chimney Automation Systems as well as all MDVS, Mechanical Dryer Venting Systems and MCAS, Modulating Combustion Air Systems.

The drive is available in 5 sizes, from 1 HP to 7.5 HP. It only requires power and motor connections to the built-in terminal block for use.

The VFD is pre-programmed by EXHAUSTO for the specific application it is to be used in. If program changes are necessary, settings can be set and adjusted using the keypad panel.

The audible motor noise is minimized due to the wide switching frequency range of the Fuji drive. This makes it ideal for applications where quiet operation is most beneficial.



#### Material

The frame is made of cast aluminum while the cover is plastic. The enclosure has a NEMA 1 rating. A NEMA 4 rated enclosure can be special ordered.

#### Maintenance

No special maintenance is required.

#### Approvals

Tested and listed to UL, cUL and CSA standards.  
CE compliant.

#### Warranty

2-year factory warranty.

Specifications are subject to change without notice.

## Specifications

<b>Frequency Reference Signal</b>	0-10 VAC
<b>Input Signal</b>	Forward, reverse, multistep speed setting, alternate accel/decel time setting, coast-to-stop, external alarm, 3-wire control and reset.
<b>Ambient Temperature</b>	14°F to 120°F (-10°C to 50°C)
<b>Starting Torque</b>	200% or more
<b>Acceleration Time</b>	0.01 to 3600 seconds
<b>Protective Functions</b>	Stall prevention, surge input, drive overheating, external fault, CPU malfunction, motor overload, memory error, undervoltage, overvoltage, shortcircuit for input terminals, communication error, ground fault, output wiring not connected.

## Drive Ratings and Dimensions

230 Volt-Three Phase Input *												
Item No.	HP	Output Current	Output Power	Weight		Height (A)		Width (B)		Depth		Dim. Fig.
	Trq.	Amps.	kW	Lbs	Kg	in	mm	in	mm	in	mm	
EXH1180	1	4.0	.75	3.3	1.5	6.22	158	4.29	109	4.69	119	1
EXH1181	2	7.0	1.5	4.6	2.1	6.22	158	5.67	144	4.69	119	2
EXH1182	3	10.0	2.2	6.0	2.8	6.22	158	8.66	219	5.28	134	3
EXH1183	5	16.5	3.7	7.0	3.3	6.22	158	8.66	219	5.87	149	3
EXH1184	7.5	22	5.5	12.6	5.7	6.22	158	8.66	219	7.69	195	3
480 Volt-Three Phase Input												
EXH1190	1	2.1	.75	4.2	1.9	6.22	158	5.67	144	4.29	109	2
EXH1191	2	3.7	1.5	6.2	2.8	6.22	158	8.03	204	5.28	134	3
EXH1192	3	5.3	2.2	6.2	2.8	6.22	158	8.03	204	5.28	134	3
EXH1193	5	8.7	3.7	7.0	3.3	6.22	158	8.03	204	5.87	149	3
EXH1194	7.5	11	5.5	12.6	5.7	6.22	158	8.03	204	7.69	195	3

\* 1 HP-3 HP 230 Volt-Single Phase can be special ordered.

