

# VFD Lineup

VARIABLE FREQUENCY DRIVES



## Variable Frequency Drive – AC Motor Controller

Greenheck packages a wide range of variable frequency drives (VFDs) with our fan products to meet the performance needs of any ventilation system. Our VFDs are programmed at the factory with fan parameters to ensure easy start-up in the field. The drives ship loose and are available in a variety of enclosures. VFDs through Greenheck are only available when selected with a fan product.

MODELS	FOR USE WITH FANS	PERFORMANCE	ENCLOSURES	WARRANTY
<ul style="list-style-type: none"><li>■ ACH-180</li><li>■ ACS-255</li><li>■ ACH-580</li></ul>	<ul style="list-style-type: none"><li>■ Inline</li><li>■ Panel</li><li>■ Rooftop exhaust</li><li>■ Lab exhaust</li><li>■ Vane axial</li></ul>	<ul style="list-style-type: none"><li>■ 1/3 hp - 30 hp</li><li>■ Single and three phase options</li></ul>	<ul style="list-style-type: none"><li>■ NEMA 1 enclosure standard</li><li>■ NEMA 4X available with ACS-255</li></ul>	<ul style="list-style-type: none"><li>■ 1-year</li></ul>



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## OFFERING AND CAPABILITIES



	Model	ABB ACH-180		ABB ACS-255		ABB ACH-580
FEATURES	Voltage (1-phase)	N/A		110-120V		N/A
	Voltage (3-phase)	200-240V	380-480V	500-600V	200-240V, 380-480V, 500-600V	200-240V, 380-480V, 500-600V
	HP range <sup>1</sup>	1 - 15	2 - 15	1/3 - 15		1/3 - 30
	Supported Motor Type	Induction, Sync Reluctance		Induction, Sync Reluctance		Induction, Sync Reluctance
	Operating Temperature	14°F to 122°F		14°F to 122°F		5°F to 122°F
	Enclosure <sup>2</sup>	NEMA 1		NEMA 1	NEMA 4X	NEMA 1
COMMUNICATION	Control Method	0-10V, 0-20mA, Integrated Control Panel		4-20mA, 0-10V, 0-20mA, Integrated Control Panel		0-10V, 0-20mA, Integrated Control Panel
	BACnet® IP	No		No		No
	BACnet® MSTP	Yes		No		Yes
	MODBUS RTU	Yes		Yes		Yes
INPUTS	Analog	2 (Current or voltage)		2 (Programmable analog or digital) Current or voltage if programmed analog		2 (Current or voltage)
	Digital	5		2 (Dedicated) 3-4 if analog input are programmed for digital		6
OUTPUTS	Analog	1 (Current)		1 (Programmable analog or digital)		2 (AO1 current or voltage, AO2 current)
	Digital	1				0
	Relay	1		1		3
SPECIAL FEATURES	Disconnect	No		No		No
	10 VDC Reference Voltage	Yes (10 mA)		Yes (10 mA)		Yes (10 mA)
	24 VDC Power Supply	Yes (200 mA)		Yes (100 mA)		Yes (250 mA)
	Fuse Overload	No		No		No
	Integrated Display	Yes		Yes		Yes
	Bluetooth (wireless)	No		No		No
	Bypass	No		No		No
Impedance	No		No		5%, DC Bus Choke	

<sup>1</sup> The selectable HP range for each configured fan product is shown in CAPS®. <sup>2</sup> All enclosures come as kits and are shipped separate from the drive.



**NOTE:** Drive availability is dependent on the fan model it is selected with. Available fans are listed at <https://www.greenheck.com/products/controls/variable-frequency-drives>

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