

ABB ACS 140 Variable Frequency Drives for use with Desoutter Auto Feed Drills and Tappers



Possible uses include:

1. Speed Change either automatically through a proximity switch or manually through the key pad. Can be used when changing hole size/material or “drapping”.
2. Electric motor reversal for tension tapping.
3. Rapid advance and motor reversal when lead screw tapping.

Basic Feature Summary:

Easy Integration

Flexible application macros.

On board power supply 12vdc, max 100mA for powering proximity switches.

Five programmable digital inputs for logic functions.

Two programmable analog inputs.

Simple keypad entry for parameter setting.

Detachable Control Panel

Parameters can be easily copied from drive to drive.

Tamper proof setting

Multiple mounting possibilities – NOTE Must be mounted in an enclosure

Wall mount

Built in DIN rail mount

Flange mount where the heat sink can be placed outside of a cabinet.

CE Marked, UL and CUL Approved

DC Braking Optional Accessory

Standard Ratings (ambient temperature 40 °C) and Frame Sizes

	Rated Motor Power (HP)	Rated Output Current 3 phase (A)		Frequency Drive	Rated Input Current 3 phase (A)	Frame Size/ Weight (lbs)
		Output Current I ₂	Maximum Current I _{max}			
200-240V 3 phase 50/60 Hz	0.75	3	4.5	ACS 143-1K1-1	4.2	B/2.4
	1.5	5.9	8.9	ACS 143-2K1-1	7.2	C/4.4
	3	9	13.5	ACS 143-4K1-1	12	D/5.5
380-480V 3 phase 50/60Hz	1	2	3	ACS 143-1K6-3	2.7	B/2.4
	1.5	2.8	4.2	ACS 143-2K1-3	4	B/2.4
	2	3.6	5.4	ACS143-2K7-3	5.1	C/4.4
	3	4.9	7.4	ACS 143-4K1-3	6.4	D/5.5

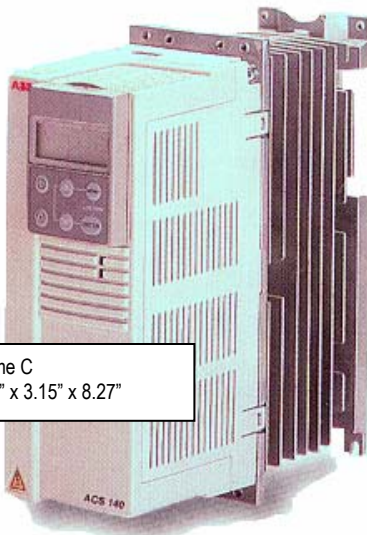
Mechanical Dimensions H x W x D

For More information Contact Desoutter Inc.

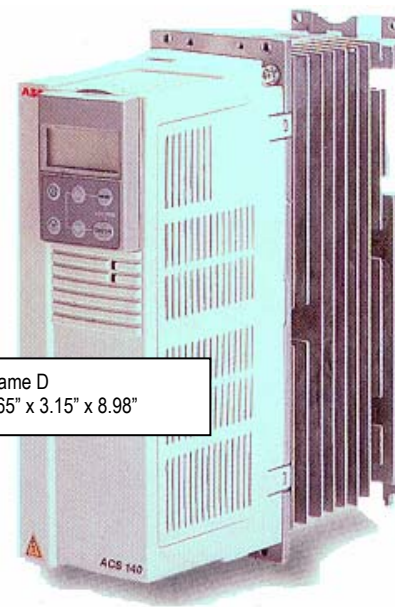
Frame B
5.75" x 3.15" x 6.89"



Frame C
8.59" x 3.15" x 8.27"



Frame D
9.65" x 3.15" x 8.98"



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