

## DCX V

### General Description

The DCX series power supply provides the highest power density in the smallest package on the market today and offers multiple form factors, providing integrators with a high level of flexibility. Fourteen models are available in three frequencies and two form factors (horizontal and vertical): 20 kHz at 1250, 2500, and 4000 Watts; 30 kHz at 750 and 1500 Watts; and 40 kHz at 400 and 800 Watts. The power supplies may be combined with an actuator or a converter/booster/horn stack to form an ultrasonic package designed for continuous-duty or automated production systems.

### Ethernet Communication

The Branson Global User Interface Program allows the user to interface with the power supply via a standard Internet browsing program, such as Internet Explorer. The user is capable of remote communication with the power supply, allowing product configurations and system diagnostics, among other functions.



### Higher Productivity

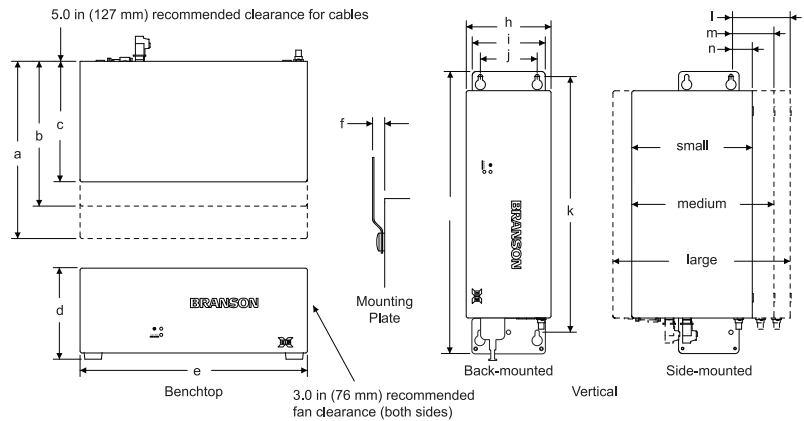
The proven Digital Communication Platform with closed-loop amplitude control provides significant benefits in performance, consistency, and higher productivity, especially in applications requiring a high level of process control, weld quality, and high throughput.

### Three Power Supply Sizes

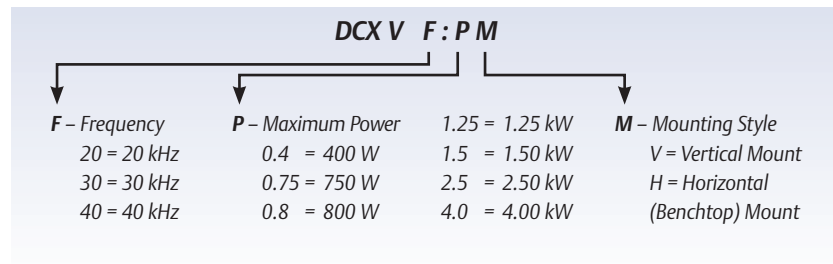
Size	Small			Medium		Large	
<b>DCX V</b>	40:0.4	30:0.75	40:0.8	20:1.25	30:1.5	20:2.5	20:4.0
<b>Frequency</b>	40 kHz	30 kHz	40 kHz	20 kHz	30 kHz	20 kHz	20 kHz
<b>Peak Output Power</b>	400 W	750 W	800 W	1250 W	1500 W	2500 W	4000 W
<b>Max. Continuous Power</b>	200 W	375 W	400 W	625 W	750 W	1250 W	2000 W
<b>Circuit Breaker</b>	10 A	10 A	10 A	15 A	15 A	25 A	25 A
<b>Required Voltage</b>	180-253 VAC, 50/60 Hz, 1 PH, 24 VDC, 2.5 A			180-253 VAC, 50/60 Hz, 1 PH, 24 VDC, 2.5 A		180-253 VAC, 50/60 Hz, 1 PH, 24 VDC, 2.5 A	
<b>Weight</b>	15 lbs. / 6.8 kg			17 lbs. / 7.7 kg		21 lbs. / 9.5 kg	

## DCX V Series Specifications

Dimension	Inch	mm
a	10.37	263.0
b	8.37	212.6
c	6.87	174.5
d	5.53	140.5
e	14.00	355.6
f	0.31	7.9
g	17.38	441.5
h	5.22	132.6
i	4.5	114.3
j	3.5	89
k	15.75	400.0
l	3.62	91.9
m	2.62	66.5
n	1.31	33.3



## Ordering Key



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All specifications subject to change without notice. All dimensions are nominal. All units are CE compliant and comply with FCC rules and regulations governing radio frequency interference. Note: All sales shall be subject to the Supplier's terms and conditions of sale as described in Branson's quotations and sales contracts.



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