



**Launchpoint Technologies High Power Motor Drive**  
**Rated 20 kW output at 200VDC bus**

Parameter	Units	Value
Max rated bus voltage	Vdc	500
Continuous Phase Current	A rms	84
Peak Phase Current	A	tbd
Switching Frequency	kHz	50 - 125
Maximum electrical frequency	Hz	>4000
Minimum Load inductance	uH	tbd ~10
Length	mm	~190
Width	mm	~115
Height (no heat sink)	mm	~80mm
Mass (no heat sink)	kg	~2.5
Mass (as pictured)	kg	~5
24 VDC logic power (not including fans)	Amps	~1

Estimated efficiency<sup>1</sup>

	Vbus (V)	Phase rms current (A)	PWM frequency (kHz)	Power out – 3 phase (kW)	Estimated Efficiency
	100	127	25	15	96.5%
	200	84	100	20	95%
	200	84	50	20	96.5%
	200	84	25	20	98%
	400	84	25	40	98+%

Preliminary Data Sheet – specifications subject to change

<sup>1</sup> assuming sinusoidal commutation, peak motor terminal voltage = Vbus

