



Launchpoint Technologies 15 kW Motor Drive
Rated 15 kW output at 400VDC bus

Parameter	Units	Value
Max rated bus voltage	Vdc	400
Continuous Phase Current	A rms	46
Peak Phase Current	A	65
Switching Frequency	kHz	25 - 125
Maximum electrical frequency	Hz	>4000
Minimum Load inductance	uH	tbd ~10
Length	mm	160
Width	mm	115
Height (no heat sink)	mm	~44
Mass (with heat sink base)	gm	tbd
Mass (with cold plate base)	gm	~960
24 VDC logic power requirement (not including fans)	Amp	.75

Estimated efficiency¹

	Vbus (V)	Phase rms current (A)	PWM frequency (kHz)	Power out – 3 phase (kW)	Estimated Efficiency
	100		25		
	200		100		
	200		50		
	325	46	50	15	
	400		50		

Preliminary Data Sheet – specifications subject to change

¹ assuming sinusoidal commutation, peak motor terminal voltage = Vbus – 15V