LamaCaster Die Casting Machine Specification

	LamaCaster P65				LamaCaster H65				LamaCaster H100			
	Metric		US		Metric		US		Metric		US	
Item	Standard	Option	Standard	Option	Standard	Option	Standard	Option	Standard	Option	Standard	Option
Slider Movement/ Tool												
No. of slides	4	6	4	6	4	6	4	6	4	6	4	6
Max. stroke (theoretical)	50mm		1,98”		50mm		1,98”		50mm		1,98”	
Nominal die size	65mm x 65mm		2.56” x 2.56”		65mm x 65mm	100mm x 65mm	2.56” x 2.56”	3.94” x 2.56”	100mm x 100mm		3.94” x 3.94”	
Locking force	2t	3.2t	2.2t	3.5t	8t		8.8t		20t		22t	
No. of cavities in tool	na	na	na	na	na	na	na	na	na	na	na	na
Melt Pot												
Heater power	15kW		15kW		20kW		20kW		20kW		20kW	
Melt rate	80kg/h		176lbs/h		105kg/h		231lbs/h		105kg/h		231lbs/h	
Melt pot capacity	160kg		353lbs		160kg		353lbs		160kg		353lbs	
Cooling												
Supply of treated water	3bar		43.5 psi		3 bar		43.5 psi		3 bar		43.5 psi	
Reccomended water temparature	13 to 18°C		55 to 65F		13 to 18°C		55 to 65F		13 to 18°C		55 to 65F	
Pneumatics												
Line pressure (max.)	8 bar	8 bar	113 psi		6 bar		87 psi		6 bar		87 psi	
Air consumption (max.)	100m3/h	100m3/h	58.9cfm		25m3/h		14.7cfm		25m3/h		14.7cfm	
Capacity of air reservoires	18l	18l	4.75 gallons		na		na		na		na	
Dry cycle speed (cycles/min.)	100	100	100	100	60		60		45		45	
Hydraulics												
Line pressure (max.)	na		na		110 bar	130 bar	1595 psi	1885 psi	130 bar	110 bar	1885 psi	1595 psi
Hydraulic tank capacity	na		na		150l		39.6 gallons		150l		39.6 gallons	
Motor power	na		na		11kW		14.75hp		11kW		14.75hp	
Injection												
Injection piston diameter	25.4mm		1”		25.4mm	40mm	1”	1.57”	40mm	25.4mm	1.57”	1”
Injection cylinder diameter	1 x 100mm	2x100mm(Tandem)	2”	2 x 1.98”(Tandem)	63mm		2.48”		63mm		2.48”	
Max. injection cylinder stroke	30mm		1.2”		45mm		1.77”		45mm		1.77”	
Max. shot weight (theoretical)	100g		3.5oz		150g	370g	5.3oz	13oz	370g	150g	13oz	5.3oz
Max. recommended shot weight	60g		2.1oz		90g	220g	3.2oz	7.8oz	220g	90g	7.8oz	3.2oz
Max. recommended metal pressure	115 bar	230 bar	1668 psi	3336 psi	350 bar	290 bar	5076 psi	4206 psi	290 bar	350 bar	4206 psi	5076 psi
Nozzle												
Heater power	500W	500W	500W	500W	1100W		1100W		1100W		1100W	
Power Supply												
Voltage	3 x 400V 50Hz		3 x 400V 50Hz		3 x 400V 50Hz		3 x 400V 50Hz		3 x 400V 50Hz		3 x 400V 50Hz	
Nominal power	18kW		18kW		35kW		35kW		35kW		35kW	
Nominal current	26A		26A		50A		50A		50A		50A	
Prefuse max.	40A		40A		63A		63A		63A		63A	
Connection type	TN-S, 3+N+PE		TN-S, 3+N+PE		TN-S, 3+N+PE		TN-S, 3+N+PE		TN-S, 3+N+PE		TN-S, 3+N+PE	