

LamaCaster Die Casting Machine Specification



Item	LamaCaster P65 Mk2				LamaCaster H65 Mk3				LamaCaster H100 Mk3				LamaCaster E65 Mk1									
	Metric		US		Metric		US		Metric		US		Metric			US						
	Standard	Option	Standard	Option	Standard	Option	Standard	Option	Standard	Option	Standard	Option	Standard	Option 1	Option 2	Standard	Option 1	Option 2				
Slider Movement / Tool																						
No. of slides	4	6	4	6	4	6	4	6	4	6	4	6	4	6	6	4	6	6				
Max. stroke (theoretical)	50 mm		1.98"		50 mm		1.98"		50 mm		1.98"		50 mm			1.98"						
Nominal die size	65 mm x 65 mm		2.56" x 2.56"		65 mm x 65 mm	100 mm x 65mm	2.56" x 2.56"		3.94" x 2.56"		100 mm x 100 mm		3.94" x 3.94"		65 mm x 65mm	100 mm x 65mm	100 mm x 65mm	2.56" x 2.56"	3.94" x 2.56"	3.94" x 2.56"		
Clamping force	2 tonnes	3.2 tonnes	2.2 tons	3.5 tons	8 tonnes		8.8 tons		20 tonnes		22 tons		4 tonnes			4.4 tons						
No. of cavities in tool	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a				
Melt Pot																						
Heater power	15 kW		15 kW		20 kW		20 kW		20 kW		20 kW		20 kW			20 kW						
Melt rate	80 kg/h		176 lbs/h		105 kg/h		231 lbs/h		105 kg/h		231 lbs/h		105 kg/h			231 lbs/h						
Melt pot capacity	160 kg		353 lbs		160 kg		353 lbs		160 kg		353 lbs		160 kg			353 lbs						
Cooling																						
Supply of treated water	3 bar		43.5 psi		3 bar		43.5 psi		3 bar		43.5 psi		3 bar			43.5 psi						
Recommended water temperature	13 to 18 °C		55 to 65 °F		13 to 18 °C		55 to 65 °F		13 to 18 °C		55 to 65 °F		13 to 18 °C			55 to 65 °F						
Pneumatics																						
Line pressure (max.)	8 bar	8 bar	113 psi		6 bar		87 psi		6 bar		87 psi		6 bar			87 psi						
Air consumption (max.)	100 m³/h	100 m³/h	58.9 cfm		25 m³/h		14.7 cfm		25 m³/h		14.7 cfm		25 m³/h			14.7 cfm						
Capacity of air reservoirs	18 l	18 l	4.75 gallons		n/a		n/a		n/a		n/a		n/a			n/a						
Dry cycle speed (cycles/min)	100	100	100	100	60		60		45		45		80			80						
Hydraulics																						
Line pressure (max.)	n/a		n/a		110 bar	130 bar	1595 psi		1885 psi		130 bar	110 bar	1885 psi		1595 psi		n/a	n/a				
Hydraulic tank capacity	n/a		n/a		150 l		39.6 gal		150 l		39.6 gal		n/a			n/a						
Motor power	n/a		n/a		11 kW		14.75 HP		11 kW		14.75 HP		n/a			n/a						
Injection																						
Injection piston diameter	25.4 mm		1"		25.4 mm	40 mm	1"		1.57"		40 mm	25.4 mm	1.57"		1"		25.4 mm	25.4 mm	40 mm	1"	1"	1.57"
Injection cylinder diameter	1 x 100 mm	2 x100 mm (Tandem)	4"	2 x 4" (Tandem)	63 mm		2.48"		63 mm		2.48"		80 mm			100 mm	100 mm	3.15"	3.94"	3.94"		
Max. injection cylinder stroke	30 mm		1.2"		45 mm		1.77"		45 mm		1.77"		45 mm			1.77"						
Max. shot weight (theoretical)	100 g		3.5 oz		150 g	370 g	5.3 oz		13 oz		370 g	150 g	13 oz		5.3 oz		150 g	150 g	370 g	5.3 oz	5.3 oz	13 oz
Max. recommended shot weight	60 g		2.1 oz		90 g	220 g	3.2 oz		7.8 oz		220 g	90 g	7.8 oz		3.2 oz		90 g	90 g	220 g	3.2 oz	3.2 oz	7.8 oz
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	210 bar	270 bar	110 bar	3046 psi	3916 psi	1595 psi				
Nozzle																						
Heater power	500 W	500 W	500 W	500 W	1100 W		1100 W		1100 W		1100 W		1100 W			1100 W						
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		3 x 400V 50Hz			3 x 400V 50Hz						
Nominal power	18 kW		18 kW		35 kW		35 kW		35 kW		35 kW		55 kW			55 kW						
Nominal current	26 A		26 A		50 A		50 A		50 A		50 A		85 A			85 A						
Pre-fuse max.	40 A		40 A		63 A		63 A		63 A		63 A		125 A			125 A						
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		TN-S, 3+N+PE			TN-S, 3+N+PE						