

DESMA

KDE Sales and Service, Inc.

968.400 ZO

Benchmark 750

Top Injection

Technical Data-Metric Units



Injection Unit - system:FIFO A

Injection volume	cm ³	1600	2000	3300	4000	5000	6000
Maximum shot (@ 1.2 s.g.)	g	1920	2400	3960	4800	6000	7200
Injection plunger diameter	mm	85	95	105	115	115	125
Injection pressure	bar	2000	1660	2000	1700	2000	1700
Plunger stroke	mm	290		390		490	
Injection force	kN	1227		1886		2138	
Injection rate, calc.	cm ³ /s	120	150	190	230	205	230
Screw diameter	mm	45		55		65	
Screw length	L : D	10		10		10	
Screw speed	RPM	20 - 160		20 - 200		20 - 160	
Screw, torque, max.	Nm	1260		1370		1940	
Heating capacity, temp. units	KW	2 x 4.5		2 x 4.5		3 x 4.5	
Injection nozzle contact force	KN	125		125		125	
Maximum strip dimensions	mm	60 x 8		60 x 10		70 x 12	

Clamping Unit

Clamping force (option)	kN	4000 (4500)	
Clamping stroke	mm	fully hydraulic	
Opening force	kN	93	
Opening stroke	mm	500-830	
Opening speed	mm/s	460	
Closing speed	mm/s	650	
Minimum mold height	mm	180	
Maximum daylight	mm	1010	
Clearance between tie bars	mm	603 x 830	
Heating platens, std. (option)	mm	670x780 (670x980) (810x980)	

Hydraulic core lifting device

Lifting force	kN	98/125	
Stroke	mm	0-400	

General Data

Pump drive	bar-l/min.-kW	250 / 103 / 30	
Total connected load	kW	70	
Machine dimensions LxWxH	mm	1660 x 3170 x 3660	
Oil tank capacity	l	300	
Weight	kg	14,500	

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