

Description

1. Technical data BOY 15 S

International size designation				
Standard design		46/15		
Auxiliary equipment for 22 kN of locking force		46/22		
Injection unit				
Screw diameter	mm	22	24	28
Screw stroke	mm		80	
L/D ratio		18	17	14.5
Stroke volume	cm ³	30	36	49
Plasticizing capacity (PS) at 310 min ⁻¹	kg/h	14	16	22
Shot weight in PS	g	25	30	40
Specific injection pressure	bar	1510	1270	930
Injection force	kN		57	
Injection speed	mm/sec.		100	
Screw speed	min. ⁻¹		10-310	
Nozzle force	kN		42	
Sprue break	mm		180	
Heating zones			2	
Heating capacity, cylinder and nozzle	kW		3,2	
Hopper capacity	litre		13	
Locking unit				
Mold locking force	kN		150-220*	
Mold opening force	kN		35	
Mold closing force	kN		9.3	
Mold opening stroke adjustable	mm		200	
Minimum mold height	mm		200	
Distance between tie-bars	mm		254	
Maximum plates clearance	mm		400	
Mold opening speed	mm/sec.		200	
Mold closing speed	mm/sec.		330	
Hydraulic ejector force (outwards)	kN		15.9	
Hydraulic ejector force (inwards)	kN		10.0	
Hydraulic ejector stroke	mm		80	
Additional data				
Dry cycle time	min. ⁻¹		44/40*	
Pump drive	kW		5.5	
Total installed power	kW		8.5	
Machine dimensions	Lenght	mm	2235	
	Width	mm	720	
	Heigth	mm	1440	
Tank capacity	litre		125	
Weight without oil filling	kg		690/700*	

* = auxiliary equipment for 22 kN of locking force

10 kN ≈ 1 Mp