

PLASTEK - 100 HP

KESTREL



- Direct Hydraulic clamping (Ram Lock)
- Meant for High precision part manufacturing
- Lowest Maintenance Cost
- Dual Flow Servo for efficient 'Hold On' *

- Cartridge Hydraulics makes smooth operation
- Rigid platens for lowest deflection
- User friendly controller

STD EQUIPMENT (CLAMP)

- Direct Hydraulic Clamping
- Infinitely variable clamping force
- Direct Clamp measurement
- Mold safety with 'Slow down' function for smooth mold close
- Clamp stroke with Linear Scale
- Safety door interlock

INJECTION:

- Screw Barrel for general purpose resin
- Suck back
- Step over either Stroke or Time dependent
- Nozzle temperature controller
- Nozzle and Injection are with Linear Scale

CONTROLLER:

- With 8" LCD display
- Advanced Keba Controller
- Robo Interface

HYDRAULICS:

- Variable Pump Hydraulics
- Cartridge Hydraulics for smooth operation
- Hydraulics temperature monitoring
- Back pressure controller with manual relief valve
- Mold close slow down in manual slow down

OPTIONAL:

- Hydraulic core pull
- Servo pump hydraulics
- Special nozzle heater
- Dual flow servo for better Hold On
- Bimetallic screw barrel
- Hotsprue controller
- Closed loop Injection
- Back pressure control with proportional Valve
- Mold close slow down with proportional valve
- Pneumatic ejection

* optional

Specifications	Unit	A*	B	C*
INJECTION				
Screw Dia	mm	32	35	38
Injection Pressure	kg/cm ²	2400	2000	1700
Injection Volume	cm ³	120	144	170
Shot Weight PS	g	109	131	155
Shot Weight PE	g	87	95	113
Injection Rate (Max)	cm ³	84	101	120
Plasticizing Capacity	kg/hr	55	65	77
Max. Screw Speed	rpm	275	275	275
L/D Ratio	-	22:1	20:1	18:1
Nozzle Contact Force	ton	3.5	3.5	3.5
Heater Capacity	kW	5.5	5.5	5.5
CLAMPING				
Clamp Force	ton		100	
Mold Opening Force	ton		3.75 ton	
Mold Opening Stroke	mm		450	
Distance Between Tie Bars	mm		370 x 370	
Platen Dimensions	mm		600 x 600	
Maximum Day Light	-		700 (750)	
Minimum Mold Height	mm		200 (250)	
Mold Closing Speed	m/min		45	
Mold Opening Speed	m/min		32	
Ejector Force	ton		3.24	
Ejector Stroke	mm		100	
GENERAL				
Pump Motor (Servo)	kW		8	
System Pressure	kg/cm ²		165	
Oil Tank Capacity	L		350	
Machine Dimension (L X W X H)	mm		5200 x 1300 x 2300	
Machine Weight	ton		5.5	

* ITEM IN <> - IS WITHOUT SPACER

SCREW B IS STANDARD AND A & C ARE OPTIONAL

Note: Above specifications subject to change without prior notice

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