

INTERNATIONAL DESIGNATION BA 650/300

CLAMPING UNIT Machine # 2

	U.S.	METRIC
Type	HORIZONTAL, FULLY HYDR.	
Clamp force (tons, kN)	75	680
Clamp opening force (tons, kN)	5.3	48
Clamp stroke max. (in.,mm)	14.77	375
Open daylight max. (in.,mm)	24.6	625
Closed daylight min. (in.,mm)	9.84	250
Platen dimensions	Horizontal (in.,mm)	24.2
	Vertical (in.,mm)	20.5
Platen bolting pattern	SPI	
Distance between tie rods	Horizontal (in.,mm)	15.94
	Vertical (in.,mm)	11.98
Tie rod diameter (in.,mm)	2.36	60
Ejector knock-out, type and pattern	SPI 7" x 7"	
Force (tons, kN)	1.9	17.5
Stroke (in.,mm)	6.3	160
Nozzle penetration (in.,mm)	1.18	30

INJECTION UNIT

	RECIPROCATING SCREW					
Type						
Injection capacity-calculated (cu.in.,cu.cm)	9.6	12.1	15.0	157	199	245
Injection capacity-cal. G.P. polystyrene (oz.,gm)	5.0	6.4	7.9	143	181	223
Plasticizing capacity (lb./hr.,kg./hr.)	137	173	213	62	79	97
Injection pressure-max. (psi,kj./sq.cm)	27463	21750	17574	1894	1500	1212
Inj. rate-max. at max. press. (cu.in./sec.,cu.cm./sec.)	5.5	7.0	8.6	90	114	141
Injection stroke (in.,mm)	4.92			125		
Screw diameter (in.,mm)	1.58	1.77	1.97	40	45	50
Screw L/D ratio	18:1 - 16:1 - 14.4:1					
Screw speed range (rpm)	0-260					
Torque (in.-lbs.,Nm)	4900			554		
Injection carriage travel (in.,mm)	7.87			200		
Max. nozzle contact force (tons,kN)	6.5			59		

HYDRAULICS

Pump capacity - per stage (GPM,liters/min.)	2.5/6.1/11.7	9.3/23.2/44
total (GPM,liters/min.)	20.3	76.6
Oil reservoir capacity (gal.,liters)	52.8	200

ELECTRICS

Voltage-motor	230/3/60
Voltage-heating	230/1/60
Number of electric motors	1
Total rated h.p.	20
Total heating wattage (kW)	5.54
Number of heat control zones	4
Number of pyrometers	4

MACHINE DIMENSIONS - OVERALL*

Length (in.,mm)	136	3465
Width (in.,mm)	48	1215
Height (in.,mm)	76	1920
Weight (lbs.,kg.)	5500	2500

For machine dimensions and weights of HV, VV and HV versions consult factory.

SUBJECT TO CHANGE