

IMPERIAL MODEL H3-75RS

STANDARD SPI INJECTION MOLDING MACHINE — SPECIFICATION FORM

MANUFACTURER: _____
 ADDRESS: _____
 MACHINE MODEL NO: **H3-75RS**

	MEASUREMENT	
	U. S.	METRIC
CLAMPING UNIT	H	
TYPE HORIZONTAL "H", VERTICAL "V"	H	
FULL HYDRAULIC CLAMP "FH", TOGGLE CLAMP-HYDRAULIC ACTUATED "HT"	HT	
TOGGLE CLAMP-MECHANICAL ACTUATED "MT", OTHER (EXPLAIN)	HT	
CLAMPING FORCE (TONS)	75	68
CLAMP OPENING FORCE (TONS)	63	55.6
CLAMP STROKE MAX. (IN., MM.)	8.63	220
OPEN DAYLIGHT MAX. (IN., MM.)	19.63	498
CLOSED DAYLIGHT MAX. (IN., MM.)	11.00	279.5
CLOSED DAYLIGHT MIN. (IN., MM.)	4.50	114.3
PLATEN DIMENSIONS	17.75	451
PLATEN BOLTING PATTERN (SPI SPECIFICATIONS-OTHER)	14.13	359
DISTANCE BETWEEN THE RODS OR BEAMS	12.25	311
THE ROD DIAMETER OR BEAM EQUIVALENT DIAMETER (IN., MM.)	8.00	206.2
MOLD SIZE:	2.00	50.8
MAX. HORIZONTALLY	18.00	457
MAX. VERTICALLY	8.00	206.2
MIN. THICKNESS - TOGGLE CLAMP (IN., MM.)	12.00	305
MIN. THICKNESS - TOGGLE CLAMP (IN., MM.)	18.00	457
EJECTOR KNOCKOUT	11.00	279.5
MECHANICAL "M", HYDRAULIC "H"	4.50	114.3
STROKE (IN., MM.)	2	1.8
PATTERN (SPI SPECIFICATIONS-OTHER)	0-8.62	0-220
MOLD THICKNESS ADJUSTMENT	M	S
TOGGLE CLAMP - SINGLE POINT DIE HEIGHT ADJUSTMENT	0	0
TOGGLE CLAMP - MULTIPLE POINT DIE HEIGHT ADJUSTMENT	S	S
HYDRAULIC CLAMP - "HC"	S	S

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	MEASUREMENT	
	U. S.	METRIC
INJECTION PLASTICIZING (PLASTICATING) UNIT	RS	
TYPE - PLUNGER UNIT "PI", TWO-STAGE PLUNGER "2PI"	RS	
TWO-STAGE SCREW "2S", RECIPROCATING SCREW "RS"	RS	
INJECTION CAPACITY - CALCULATED (CU. IN., CU. CM.)	4.88	80.1
PLASTICIZING (PLASTICATING) CAPACITY - G.P. POLYSTYRENE (OZ., GM.)	3.00	85
RECOVERY RATE - G.P. POLYSTYRENE (LB./HR., KG./HR.)	56	25.4
EFFECTIVE 1-1-68 AT 50 PER CENT INJECTION CAPACITY	.37	6.06
INJECTION PRESSURE - MAX. (PSI., KG./SQ. CM.)	.25	7.1
INJECTION RATE - STABLE (YES OR NO)	21.000	1475
INJECTION RATE - MAX. AT MAX. PRESSURE (CU. IN./SEC., CU. CM./SEC.)	YES	YES
INJECTION RATE - MIN. AT MAX. PRESSURE (CU. IN./SEC., CU. CM./SEC.)	8.1	132.7
INJECTION STROKE - MAX. (IN., MM.)	0	0
INJECTOR PLUNGER OR RECIPROCATING SCREW DIAMETER (IN., MM.)	4.00	101.6
SCREW DIAMETER - 2-STAGE SCREW (IN., MM.)	1.25	31.72
BARREL L/D RATIO	15:1	15:1
SCREW RANGE (RPM)	10-300	10-300
SCREW DRIVE - HYDRAULIC "H", ELECTRIC "E"	H	H
TORQUE (IN-LBS., MM-KG. CM.) - LATED 100 PER CENT EFFICIENCY OF INPUT TORQUE	2200	25,400
HYDRAULIC SPECIFICATIONS		
PUMP CAPACITY - TOTAL (GPM) (LPM)	17	64.3
OIL RESERVOIR CAPACITY (GAL.) (LITERS)	40	151.4
ELECTRICAL SPECIFICATIONS		
NUMBER OF ELECTRIC MOTORS	1	1
TOTAL RATED HP	10	10
TOTAL HEATING WATTAGE (KW)	5000	5000
NUMBER OF HEAT CONTROL ZONES	3	3
NUMBER OF THERMOSTATS	1	1
NUMBER OF PYROMETERS	2	2
MACHINE DIMENSIONS - OVERALL		
LENGTH (IN., MM.)	108	2743
WIDTH (IN., MM.)	36	914
HEIGHT (IN., MM.)	72	1839
WEIGHT (LBS., KG.)	1200	2742

Shot capacity based on...