

TOSHIBA MACHINE CO., AMERICA

INJECTION MOLDING DIVISION



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HYDRAULIC INJECTION MOLDING MACHINE SPECIFICATIONS

CLAMP UNIT	UNITS	MODEL ISGS390			
CLAMP CLOSING FORCE	US TON	386			
CLAMP OPENING FORCE	US TON	22			
TIE BAR SPACING (H x V)	IN	28.7 x 28.7			
PLATEN DIMENSION (H x V)	IN	40.1 x 40.1			
*EXPANDED TIE BAR(PLATEN) (H x V)	IN	31.8 x 31.8(43.3 x 43.3)			
CLAMP STROKE	IN	37			
DAYLIGHT (MAX OPEN/CLOSE)	IN	49.2/11.8			
CLAMP SPEED (CLOSE/OPEN)	IN/SEC	1.6-29/1.6-29			
EJECTOR FORCE	US TON	11			
EJECTOR STROKE	IN	4.9			
INJECTION UNIT		19AT	19B	27AT	27B
INJECTION CAPACITY (GPPS)	OZ	30	41	48	63
SCREW DIAMETER	MM	60	70	70	80
SCREW DIAMETER	IN	2.36	2.76	2.76	3.15
SCREW L/D	RATIO	22/1	20/1	22/1	20/1
INJECTION VOLUME	CU IN	56.8	76.9	90	180
INJECTION PRESSURE	PSI	28000	20500	25900	19800
INJECTION RATE	CU IN/SEC	23	31	24	32
MAX SCREW SPEED	RPM	210	180	180	170
PLASTICIZING RATE (GPPS)	OZ/SEC	2.2	2.6	2.6	3.3
GENERAL DATA					
*CORE VOLUME CLAMP STOP	GPM	50		50	
*CORE VOLUME ON THE FLY	GPM	21		21	
RUNNING LOAD @ 460V	AMPS	102		103	
COOLING WATER REQUIRED	GPM	10.6		10.6	
MOTOR	HP	60		60	
OIL RESERVOIR CAPACITY	GAL	300		300	
MACHINE WEIGHT (EST.)	LBS	34400		37500	
DIMENSIONS (L x W x H)	IN	260 x 79 x 79		279 x 79 x 79	

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