

MACHINE SPECIFICATION INJECTION MOLDING

MACHINE NUMBER	1	2	3	4	5	6	7	8
MAKE	NISSEI - 1997	OIMA - 1987	NISSEI - 1997	OIMA - 1990	MITSUBISHI - 2004	MITSUBISHI - 1989	BATTENFELD - 1992	BATTENFELD - 1992
MODEL	FN8000	3100-550S	FV9000	4600-750S	950MMJ-160	170-MSII	BA 350 CD PLUS	BA 150 CD PLUS
SERIAL NUMBER	S46S048	029-107	S90S022	032-101	MMG816W89	2S159044	13592A350509106	13613A150209106
CLAMP UNIT								
CLAMP FORCE (Metric Ton/US Ton)	456/496	550/606	561/618	750/827	852/937	170/187	31.8/35	13.6/15
TYPE	HYDRAULIC PISTON	TOGGLE CLAMPING	HYDRAULIC PISTON	TOGGLE CLAMPING	HYDRAULIC MECHANICAL	HYDRAULIC PISTON	HYDRAULIC MECHANICAL	HYDRAULIC MECHANICAL
THE BAR SPACING (HxV)	32.3" x 32.3" (820mm x 820mm)	28.74" x 28.74" (730x730mm)	38.2" x 38.2" (970mm x 970mm)	33.46" x 33.46" (850mm x 850mm)	51.2" x 47.2" (1300mm x 1199mm)	20.08" x 20.08 (510mm x 510mm)	12" x 10" (305mm x 254mm)	7.30" x 6.10" (185mm x 155mm)
PLATEN SIZE (HxV)	46.8" x 46.8" (1189mm x 1189mm)	43.7" x 43.7" (1110 x 1110mm)	53.5" x 53.5" (1360mm x 1360mm)	52.36" x 52.36" (1330mm x 1330mm)	70.9" x 66.9" (1801mm x 1699mm)	29.13" x 29.13" (740mm x 740mm)	17.70" x 15.80" (450mm x 401mm)	13.0" x 11.8" (330mm x 300mm)
MAXIMUM CLAMP STROKE	40.35" (1025mm)	15.7"-32.7" (400-830mm)	35.4" (900mm)	17.71"-36.22 (450-920mm)	68.9" (1750mm)	24.8" (630mm)	12.79" (325mm)	9.84" (250mm)
MOULD SHUT HEIGHT	14.76" (375mm)	9.8" (250mm)	15.7"-35.4" (400-900mm)	15.74" (400mm)	19.7"-43.3" (500mm-1100mm)	8.7" (220mm)	5.9" (150mm)	3.94" (100mm)
MAXIMUM DAYLIGHT	55.12" (1400mm)	35.4" (900mm)	71.2" (1808mm)	40.35" (1025mm)	88.6" (2250mm)	33.5" (850mm)	22.7" (583mm)	17.5" (445mm)
MIN MOULD DIMENSION	14.76"	15.7"	15.7"	15.74"	26.77 x 26.77 x 19.70" (680 x 680 x 500mm)	8.7"		
HYDRAULIC EJECTOR STROKE	6.3" (160mm)	11.81" (300mm)	7.0" (177.8mm)	14.96" (380mm)	7.9" (200.66mm)	3.9" (99.06mm)	3.9" (99.06mm)	2.75" (69.85mm)
INJECTION UNIT								
SHOT SIZE (PS)	92.77 oz (2630 gms)	77.60 oz (2200 gms)	131 oz (3714 gms)	99.82 oz (2830 gms)	147oz (4160 gms)	16.2 oz (459.26 gms)	1.8 oz (51.3 gms)	1.62 oz (30.4 gms)
INJECTION PRESSURE	122.1 Mpa (17,709 Psi)	1050 kg/cm2 (21,050Psi)	21543 Psi	1480 kg/cm2 (21050 Psi)	25810 Psi	26.263 Psi	21.640 Psi	21,581 Psi
SCREW DIAMETER	3.54" (90mm)	3.9" (100mm)	3.9" (100mm)	3.9" (100mm)	4.13" (105mm)	3.54" (90mm)	1.18" (29.97mm)	0.87" (22mm)
SCREW SPEED	0 - 120 rpm High Torque 120 - 180 rpm Low Torque	215 Newton - High Torque 170 Newton - Low Torque	0-110 rpm High Torque 110-160 rpm Low Torque	130 Newton	77-154 rpm	0-220 rpm	335 rpm Max	410 rpm Max
ELECTRICAL UNIT								
PUMP MOTOR	75 HP	74 kW	60 HP	74 kW	74 HP	30 HP	17 HP	10 HP
PRIMARY VOLTAGE /PHASE/CYCLE	230/3/60	380/3/50	460/3/60	140 kW (Total Installed)	460/3/60	480/3/60	460/3/60	460/3/60
HEATER VOLTAGE /PHASE/CYCLE	33.7 kW	32 kW	230/3/60	64 kW	480 V/3 PH/60 Hz-47.5 kW	480/3/60	230/3/60	230/3/60