

SD-series Specification

Models		MITA-60SD			MITA-100SD			MITA-120SD			MITA-150SD			
Injection unit														
Type of unit		i6D			i10D			i12D			i15D			
Screw diameter		mm	32	35	38	35	38	42	38	42	45	42	45	50
Injection capacity		cm²	120	144	170	153	181	221	192	235	270	277	318	392
Shot size (PS)	gr	106	127	150	136	160	195	170	208	238	244	281	347	
	oz	3.7	4.4	5.2	4.7	5.6	6.8	5.9	7.3	8.4	8.6	9.8	12.2	
Plasticizing capacity		kg/hr	33	40	52	46	60	70	55	64	73	51	59	77
Injection Rate	cm³/sec	49	59	70	76	90	110	90	110	127	115	132	163	
	cm³/sec	63	75	89	100	118	144	113	138	158	145	167	206	
Injection pressure (max)	Kg/cm²	2624	2194	1861	2379	2019	1652	2443	2000	1742	2321	2022	1637	
	Kg/cm²	2071	1731	1468	1809	1535	1256	1957	1602	1395	1840	1603	1298	
Screw speed range		rpm	0~224			0~260			0~237			0~191		
Screw torque		kg-m	55			66			89			133		
Nozzle stroke		mm	275			305			325			345		
Nozzle contact force		tons	4			4			4			5.7		
Clamping unit														
Clamping force		tons	60			100			120			150		
Clamp stroke (max)		mm	270			310			360			400		
Mold height (min-max)		mm	100~320			150~350			150~400			150~450		
Open daylight		mm	370~590			460~660			510~760			550~850		
Platen size (H×V)		mm	470×470			560×560			610×610			650×650		
Distance between tie-rod		mm	310×310			370×370			410×410			430×430		
Hydraulic ejector force		ton	3.3			3.3			3.9			4.6		
Hydraulic ejector stroke		mm	75			90			100			110		
Hydraulics														
Pump capacity		l/min	56			78			95			114		
System pressure		kg/cm²	140			140			140			140		
Oil reservoir capacity		us gal	45			57.5			75			92.5		
Electrics														
Power supply (standard)		volt	220			220			220			220		
Motor rated		HP (KW)	10(7.5)			15(11.2)			20(14.9)			25(18.6)		
Number of heat control zone		set	4			4			4			4		
Heating wattage		kw	5.67			6.61			8.29			9.68		
General														
Water requirements (max)		gpm	11.2			11.2			11.2			16.2		
Machine dimensions (L×W×H)		m	3.95×1.13×1.6			4.22×1.2×1.67			4.62×1.28×1.7			5.08×1.32×1.7		
Machine weight		kg	3000			3800			4500			5600		
Hopper capacity		kg	25			25			50			50		

Models		MITA-180SD			MITA-220SD			MITA-250SD			MITA-300SD			
Injection Unit														
Type of unit		i18D			i22D			i25D			i30D			
Screw diameter		mm	50	60	65	55	60	65	60	65	70	65	70	75
Injection capacity		cm²	471	735	862	617	735	862	791	925	1077	1028	1193	1369
Shot size (PS)	gr	416	649	730	546	649	730	699	821	952	908	1054	1210	
	oz	14.6	22.8	25.7	19.2	22.8	25.7	24.6	28.9	33.5	31.9	37.1	42.6	
Plasticizing capacity		kg/hr	71	126	149	99	126	149	100	119	150	178	224	239
Injection Rate	cm³/sec	133	209	245	175	209	245	189	221	257	241	280	321	
	cm³/sec	164	264	310	221	264	310	240	282	327	310	359	412	
Injection pressure (max)	Kg/cm²	2499	2087	1778	2483	2087	1778	2307	1966	1695	2172	1872	1631	
	Kg/cm²	2026	1648	1404	1961	1648	1404	1809	1542	1329	1693	1460	1271	
Screw speed range		rpm	0~177			0~187			0~150			0~150		
Screw torque		kg-m	178			222			278			334		
Nozzle stroke		mm	365			395			425			485		
Nozzle contact force		tons	5.7			6.6			6.6			8.0		
Clamping unit														
Clamping force		tons	180			220			250			300		
Clamp stroke (max)		mm	450			500			550			600		
Mold height (min-max)		mm	150~550			150~550			220~650			220~700		
Open daylight		mm	600~10000			650~1050			770~1200			820~1300		
Platen size (H×V)		mm	720×720			780×780			860×860			940×940		
Distance between tie-rods		mm	480×480			520×520			580×580			630×630		
Hydraulic ejector force		ton	5.3			5.3			7			7		
Hydraulic ejector stroke		mm	130			150			160			180		
Hydraulics														
Pump capacity		l/min	142			187			187			225		
System pressure		kg/cm²	140			140			140			140		
Oil reservoir capacity		us gal	127.5			150			187.5			208		
Electrics														
Power supply (standard)		volt	220			220			220			220		
Motor rated		HP (KW)	30(22.4)			40(29.8)			40(29.8)			50(37.3)		
Number of heat control zone		set	4			5			5			5		
Heating wattage		kw	14.59			16.42			18.02			20.8		
General														
Water requirements (max)		gpm	18.7			18.7			18.7			21.2		
Machine dimensions (L×W×H)		m	5.67×1.42×1.86			6.07×1.5×1.93			6.57×1.58×2.06			7.3×1.7×2.1		
Machine weight		kg	6700			7600			11000			12000		
Hopper capacity		kg	50			50			100			100		

Models		MITA-400SD			MITA-500SD		
Injection Unit							
Type of unit		i40D			i50D		
Screw diameter	mm	70	75	80	75	85	95
Injection capacity	cm ³	1385	1590	1809	1811	2326	2906
Shot size (PS)	gr	1224	1405	1599	1601	2056	2569
	oz	43.1	49.5	56.3	56.4	72.4	90.5
Plasticizing capacity	kg/hr	224	239	287	228	332	385
Injection Rate	cm ³ /sec	240	276	314	275	354	442
	cm ³ /sec	305	351	399	349	448	560
Injection pressure (max)	Kg/cm ²	2177	1897	1667	2369	18.4	1476
	Kg/cm ²	1715	1494	1313	1871	1457	1116
Screw speed range	rpm	0~150			0~133		
Screw torque	kg-m	334			467		
Nozzle stroke	mm	525			575		
Nozzle contact force	tons	8.0			8.0		
Clamping unit							
Clamping force	tons	400			500		
Clamp stroke (max)	mm	700			800		
Mold height (min-max)	mm	280~760			300~900		
Open daylight	mm	980~1460			1200~1700		
Platen size (H×V)	mm	1060×1060			1190×1190		
Distance between tie-rods	mm	720×720			820×820		
Hydraulic ejector force	ton	11			11		
Hydraulic ejector stroke	mm	210			210		
Hydraulics							
Pump capacity	l/min	225			280		
System pressure	kg/cm ²	140			140		
Oil reservoir capacity	us gal	208			259		
Electrics							
Power supply (standard)	volt	220			220		
Motor rated	HP (KW)	50(37.3)			60(44.7)		
Number of heat control zone	set	5			6		
Heating wattage	kw	24.1			31		
General							
Water requirements (max)	gpm	21.2			26.2		
Machine dimensions (L×W×H)	m	8.0×1.8×2.3			8.9×1.9×2.5		
Machine weight	kg	16500			21000		
Hopper capacity	kg	100			100		