

BMC Injection Molding Machine Specification.

Properties (Thermosetting)		UNIT	EN-120 BMC			EN-140 BMC			EN-160 BMC			EN-200 BMC			EN-220 BMC		
INJECTION SYSTEM	Screw diameter	mm	32	36	40	36	40	45	40	45	50	45	50	55	50	55	60
	Injection weight (BMC)	gram	185	234	288	260	320	405	352	446	551	486	600	726	650	788	937
	Swept volume	cm ³	159	198	240	203	251	318	276	350	432	381	471	570	510	618	735
	Injection pressure	kg/cm ²	2054	1623	1315	2503	2027	1602	2103	1662	1346	1840	1490	1232	1723	1424	1196
	Injection rate	cm ³ /sec	107	135	167	116	143	181	138	175	216	168	208	251	174	211	251
	Plasticizing capacity(BMC)	g/s	16	22	31	22	31	43	29	39	56	39	56	68	56	68	86
	Injection stroke	mm	180			200			220			240			260		
	Injection time	sec	1.35			1.75			1.75			1.99			2.27		
CLAMPING SYSTEM	Clamping stroke	mm	322			360			420			450			480		
	Clamping force	ton	120			140			160			200			220		
	Mold thickness (min~max)	mm	120~380			120~420			150~450			180~520			200~550		
	Inner distance of tie bars (HxV)	mm	364x364			414x410			458x440			482x452			520x485		
	Mould plate (HxV)	mm	560x595			600x630			678x680			722x752			780x780		
	Ejection stroke	mm	100			100			130			130			130		
	Ejection force	ton	3.3			4.6			4.6			4.6			4.6		
ELECTRIC SYSTEM	Pump driving motor	Hp	15			20			25			30			30		
	Pump pressure	kg/cm ²	140			140			140			140			140		
	Heat zones	set	2			2			2			3			3		
	Total power	kw	11.25			15			18.75			22.5			22.5		
OTHER	Tank capacity	l	220			320			350			400			450		
	Machine measurements (LxWxH)	m	4.4x1.2x1.7			4.9x1.3x1.9			4.9x1.3x1.9			5.7x1.4x2.1			6.0x1.5x2.3		
	Net weight	kg	3900			5400			6500			7800			9200		

** Specification are subject to change without prior notice.

** Injection weight : Calculated shot volume x specific weight x 85%



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Properties (Thermosetting)		UNIT	EN-250 BMC			EN-300 BMC			EN-350 BMC			EN-400 BMC			EN-450 BMC		
INJECTION SYSTEM	Screw diameter	mm	55	60	65	60	65	70	60	65	70	65	70	75	70	75	80
	Injection weight (BMC)	gram	848	1010	1184	1081	1268	1471	1154	1354	1571	1480	1717	1971	1864	2140	2435
	Swept volume	cm ³	665	792	929	848	995	1154	905	1062	1232	1161	1347	1546	1462	1678	1910
	Injection pressure	kg/cm ²	1691	1421	1210	1662	1416	1220	2083	1775	1530	1775	1530	1331	1920	1673	1470
	Injection rate	cm ³ /sec	227	270	318	273	321	372	258	303	352	314	364	418	348	400	454
	Plasticizing capacity (BMC)	g/s	49	59	69	59	69	73	63	72	85	68	78	89	68	78	89
	Injection stroke	mm	280			300			320			350			380		
	Injection time	sec	2.93			3.1			3.5			3.7			4.2		
CLAMPING SYSTEM	Clamping stroke	mm	560			620			650			680			700		
	Clamping force	ton	250			300			350			400			450		
	Mold thickness (min~max)	mm	200~620			200~700			250~800			250~800			250~850		
	Inner distance of tie bars (HxV)	mm	562x562			620x620			660x620			700x700			758x702		
	Mould plate (HxV)	mm	822x862			901x901			940x940			1040x990			1095x1040		
	Ejection stroke	mm	150			150			150			200			200		
	Ejection force	ton	7.0			7.0			7.0			8.9			8.9		
ELECTRIC SYSTEM	Pump driving motor	Hp	40			40			50			50			60		
	Pump pressure	kg/cm ²	140			140			140			140			140		
	Heat zones	set	3			3			3			3			3		
	Total power	kw	30			30			37.5			37.5			45		
OTHER	Tank capacity	l	450			600			650			700			750		
	Machine measurements (LxWxH)	m	6.2x1.6x2.4			6.8x1.7x2.6			7.0x1.8x2.7			7.4x1.9x2.8			7.6x2.0x2.9		
	Net weight	kg	13100			14000			16000			18000			21000		

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