



INJECTION MACHINE

SPECIFICATION

Properties		UNIT	EN-120P		EN-140P		EN-160P		EN-200P		EN-220P		EN-250P		EN-300P		EN-350P		EN-400P	
Thermoplastic																				
INJECTION SYSTEM	Screw diameter	mm	36	40	40	45	45	50	50	55	55	60	60	65	65	70	65	70	70	75
	Screw L/D ratio	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
	Injection weight (PET)	gram	210	259	288	365	402	496	540	654	709	843	909	1066	1141	1324	1218	1414	1546	1774
		oz	7.4	9.1	10.0	12.9	14.0	17.5	18.9	23.0	24.8	29.7	31.8	37.5	40.0	46.6	42.6	49.8	54.0	62.5
	Swept volume	cm ³	183	226	251	318	350	432	471	570	618	735	792	929	995	1154	1062	1232	1347	1546
	Injection pressure	kg/cm ²	1623	1313	2027	1602	1662	1347	1490	1231	1424	1196	1421	1211	1416	1220	1775	1530	1530	1331
	Injection rate	cm ³ /sec	135	168	143	182	200	247	239	287	272	324	310	317	321	372	303	352	364	418
	Plasticizing capacity	g/s	22	31	31	43	39	56	56	68	68	86	59	69	69	73	72	85	78	89
	Injection stroke	mm	180		200		220		240		260		280		300		320		350	
Injection time	sec	1.35		1.75		1.75		1.99		2.27		2.55		3.1		3.5		3.7		
CLAMPING SYSTEM	Clamping stroke	mm	322		380		420		450		480		560		620		650		680	
	Clamping force	ton	120		140		160		200		220		250		300		350		400	
	Mold thickness(min~max)	mm	120~380		120~420		150~450		180~520		200~550		200~620		200~700		250~800		250~800	
	Inner distance of tie bars(HxV)	mm	364×364		414×410		458×440		482×452		520×485		562×562		620×620		660×620		700×700	
	Mould plate(HxV)	mm	560×595		600×630		678×680		722×752		780×780		822×862		901×901		940×940		970×955	
	Ejection stroke	mm	100		100		130		130		130		150		150		150		200	
	Ejection force	ton	3.3		4.6		4.6		4.6		4.6		5.9		5.9		5.9		8.5	
ELECTRIC SYSTEM	Pump driving motor	Hp	20		25		30		30		40		50		50		60		60	
	Pump pressure	kg/cm ²	140		140		140		140		140		140		140		140		140	
	Heater capacity	kw	5.7		6.4		8.0		10.0		14.0		14.0		20.2		20.2		25.0	
	Heat zones	set	4		5		5		6		6		6		6		6		6	
	Total power	kw	20.7		25.15		30.5		32.5		44.0		51.5		57.7		65.2		70.0	
OTHER	Tank capacity	l	220		320		350		450		450		450		600		650		700	
	Machine measurements(LxWxH)	m	4.4×1.2×1.7		4.9×1.3×2.0		4.9×1.3×1.9		5.7×1.4×2.1		6.0×1.5×2.3		6.2×1.6×2.4		6.8×1.7×2.5		7.0×1.8×2.7		7.4×1.9×2.8	
	Net weight	kg	3900		5400		6500		7800		9200		12500		14000		16000		18600	

