

# ALLPLAST

Plastic Injection Moulding Machine

## ABS VV Series

VERTICAL INSERT MOULDING MACHINE



VERTICAL  
INJECTION



VERTICAL  
CLAMPING



FIX  
TABLE

# ABS VV Series

## VERTICAL INSERT MOULDING MACHINE



### ATTRIBUTE

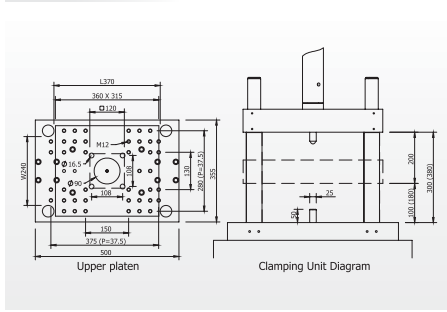
- Four column vertical clamping and vertical screw type injection system.
- Dual injection hydraulic cylinder for smooth and balanced injection.
- Large L/D ratio for homogenous optimum melt for all type of engineering plastics.
- Robust clamping force and parallelism platen for flash proof moulding.
- Centre hydraulic ejector.
- Fully microprocessor controller.
- Hand protection safety features
- Power saving high tech hydraulic circuit.

### APPLICATION

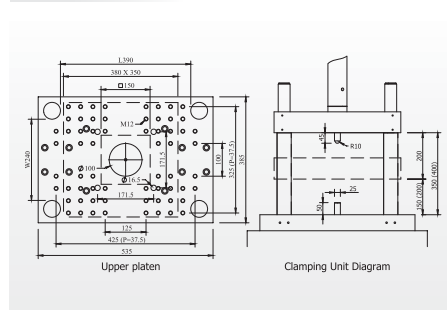


	MODEL	UNITS	ABS-VV-15		ABS-VV-25		ABS-VV-40		ABS-VV-60		ABS-VV-70		ABS-VV-85	
<b>INJECTION SYSTEM</b>	Screw Diameter	mm	22	25	25	30	30	35	35	40	35	40	35	40
	Theoretical Shot Volume	cm <sup>3</sup>	38	49	49	70	95	129	158	207	202	263	202	263
	Max. Shot Weight (PS)	g	34	44	44	63	86	116	143	187	182	236	182	236
	Injection Pressure	kg/cm <sup>2</sup>	1769	1370	1678	1166	1784	1311	1858	1423	1858	1423	1858	1423
	Injection Rate	cm <sup>3</sup> /sec	49	63	52	75	85	116	125	163	81	106	102	133
	Screw Speed Max.	rpm	0-250		0-250		0-250		0-250		0-250		0-250	
	Nozzle Retraction Stroke	mm	125		165		190		230		230		230	
	No. of Temperature Control zone	zone	2		3		5		5		5		5	
Material Hopper Capacity	l	12		12		22		22		22		22		
<b>CLAMPING SYSTEM</b>	Clamping Force	tons	15		25		40		60		70		85	
	Opening Force	tons	3		7.5		8.3		10		15		15	
	Max Tie bar Distance	mm	280x145		370x240		390x240		480x300		510x330		510x330	
	Max Mould Size	mm	270 x 250		360x315		380x350		470x440		500x485		500x485	
	Min. Mould Height	mm	120/180		100/180		150/200		150/200		200/250		200/250	
	Opening Stroke	mm	190		200		200		200		250		250	
	Max. Open Daylight	mm	310/370		300/380		350/400		350/400		450/500		450/500	
	Ejector Force	tons	1.3		1.3		1.3		1.3		2.7		2.7	
Ejector Stroke	mm	33		50		50		70		100		100		
<b>HYDRAULICS &amp; ELECTRIC SYSTEMS</b>	Max. Hydraulic Pressure	bar	140		140		140		140		140		140	
	Oil Reservoir Capacity	liters	75		145		170		240		265		265	
	Pump Motor	kW	4		4		5.5		7.5		7.5		11.5	
	Barrel Heating Power	kW	2.1		3.5		4.2		4.8		5		5	
	Total Wattage	kW	6.1		7.5		9.7		12.3		12.5		16.5	
	Machine Weight	tons	0.7		1.5		1.8		2.5		3.4		3.6	
	Machine Dimensions (L x W x H)	m	1.18x0.73x2.7		2.17x0.99x2.67		2.36x1.12x2.93		2.34x1.37x3.26		2.52x1.37x3.5		2.52x1.37x3.56	

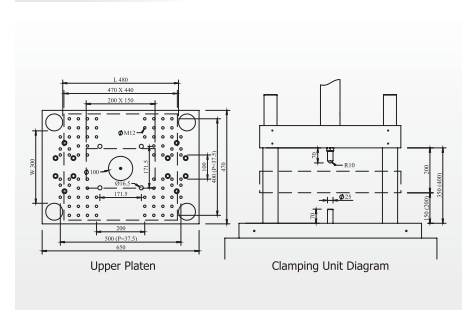
ABS VV 25



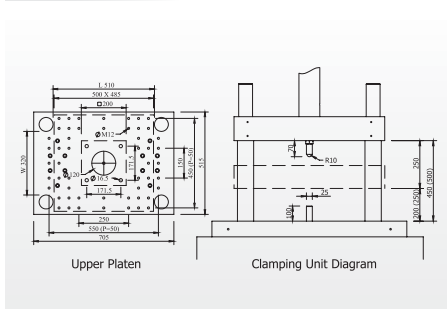
ABS VV 40



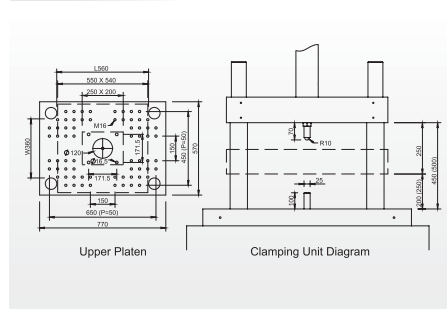
ABS VV 60



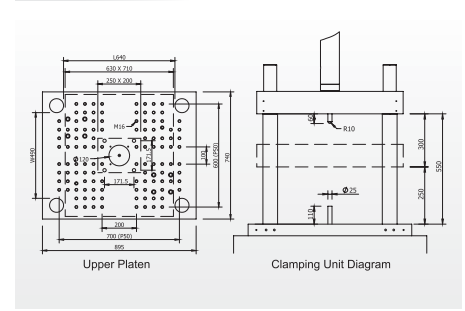
ABS VV 85



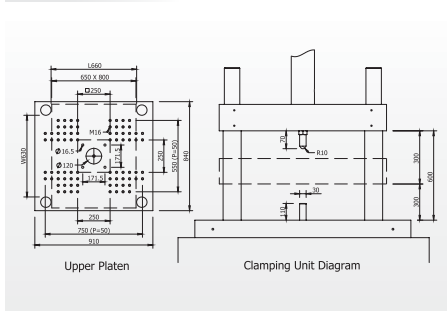
ABS VV 100



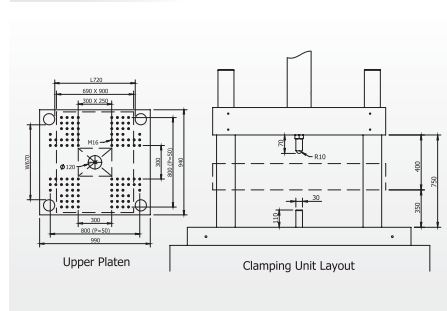
ABS VV 125



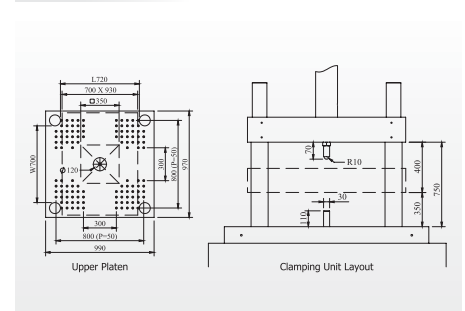
ABS VV 160



ABS VV 210



ABS VV 250



	MODEL	UNITS	ABS-VV-100				ABS-VV-125				ABS-VV-160		ABS-VV-210		ABS-VV-250	
<b>INJECTION SYSTEM</b>	Screw Diameter	mm	45	50	40	45	50	60	50	55	55	60	60	65		
	Theoretical Shot Volume	cm <sup>3</sup>	333	412	314	397	490	706	471	570	570	678	706	829		
	Max. Shot Weight (PS)	g	282	371	282	357	441	636	420	509	509	605	630	740		
	Injection Pressure	kg/cm <sup>2</sup>	1677	1359	2373	1875	1519	1055	1856	1534	1749	1470	1588	1353		
	Injection Rate	cm <sup>3</sup> /sec	113	139	101	126	156	225	157	190	180	215	189	221		
	Screw Speed Max.	rpm	0-250				0-200				0-200		0-200		0-150	
	Nozzle Retraction Stroke	mm	250				285				300		320		340	
	No. of Temperature Control	zone	5				5				5		5		5	
Material Hopper Capacity	l	22				22				30		60		60		
<b>CLAMPING SYSTEM</b>	Clamping Force	tons	100				125				160		210		250	
	Opening Force	tons	16				18				18		20		20	
	Max Tie bar Distance	mm	560x360				640x490				660x630		720x670		720x700	
	Max Mould Size	mm	550x540				630x710				650x800		690x900		700x930	
	Min. Mould Height	mm	200/250				250				300		350		350	
	Opening Stroke	mm	250				300				300		400		400	
	Max. Open Daylight	mm	450/500				550				600		750		750	
	Ejector Force	tons	3.9				4.6				5.4		6.2		6.5	
<b>HYDRAULICS &amp; ELECTRIC SYSTEMS</b>	Ejector Stroke	mm	100				110				110		110		110	
	Max. Hydraulic Pressure	bar	140				140				140		140		140	
	Oil Reservoir Capacity	liters	360				400				500		535		600	
	Pump Motor	kW	15				15				18.5		21.5		30	
	Barrel Heating Power	kW	7.5				10.4				10.5		12.5		16.8	
	Total Wattage	kW	22.5				25.4				29		34		46.8	
	Machine Weight	tons	4.5				6.5				7.2		9.2		10.3	
	Machine Dimensions (L x W x H)	m	2.7x1.5x3.7				3.3x1.66x4				2.7x1.45x4		2.8x1.3x4.6		2.8x1.7x4.6	



Plastic Injection Moulding Machine

## GLOBAL REACH



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