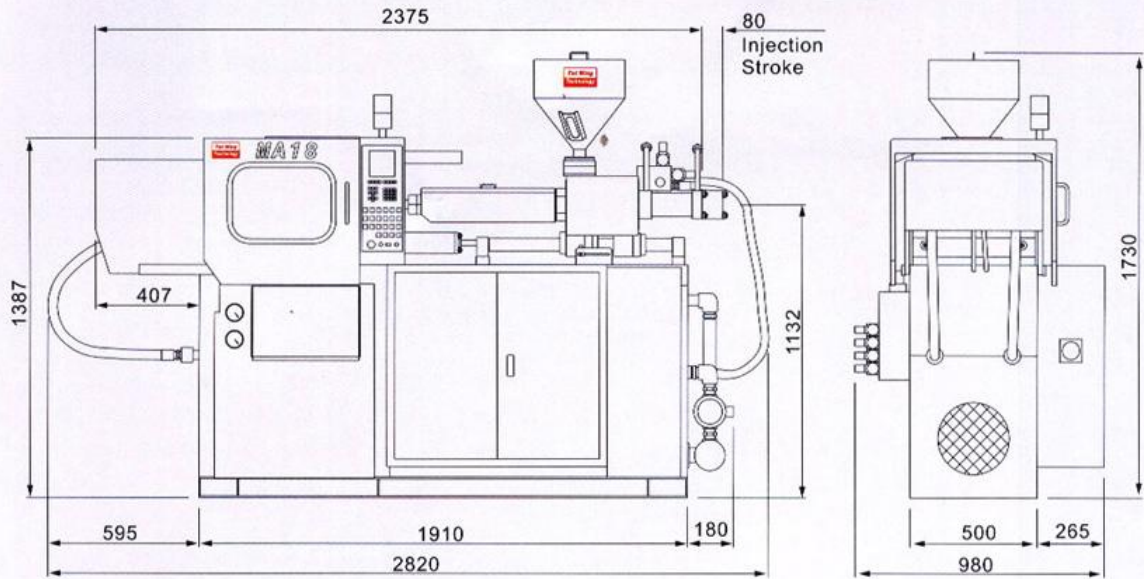
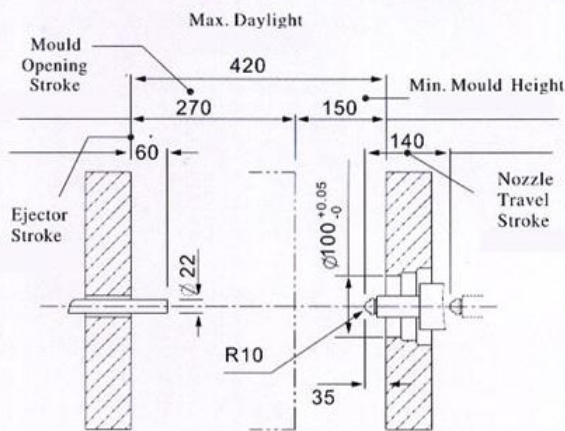


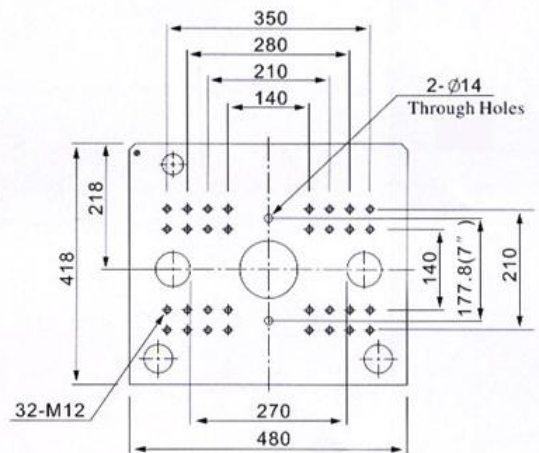
Overall Dimensions



Clamping Area



Stationary Platen



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Model	MA18			MA21			MA23		
Injection unit size rating	77			30			59		
Clamping unit size rating	19			21			23		
<i>Injection unit</i>									
Screw	A	B	C	A	B	C	A	B	C
Screw diameter	22	25	28	16	18	20	22	25	28
L/D ratio	22	24.6	22	22	22	22	22	24.6	22
Injection volume	30	39	49	12	15	19	30	39	49
Shot weight (PS)(g)	27	35	44	11	14	17	27	35	44
Shot weight (PS)(oz)	1.0	1.2	1.5	0.4	0.5	0.6	1.0	1.2	1.5
Injection pressure	2531	1960	1563	2481	1960	1588	1933	1497	1193
Plasticizing capacity	4.3	7.2	10.2	2.2	3.7	5.1	4.0(4.4)	6.8(7.4)	9.6(10.4)
Injection speed		7.8			17			12.5(16.4)	
Injection rate	30	38	48	34	43	53	47(62)	61(81)	77(101)
Injection stroke		80			60			80	
Screw rotary speed		326			326			314(413)	
Screw torque		16			18.3			33.7	
Carriage force		2.2			4.5			2.8	
Carriage stroke		140			180			140	
<i>Clamping unit</i>									
Clamping force		18.7			21.4			23.4	
Opening stroke		270			270			270	
Min. mould height		150			150			150	
Max. daylight		420			420			420	
Clearance btwn tiebars		270			270			270	
Platen size (h x v)		480x418			480x418			480x418	
Mould opening force		2.0			2.3			2.5	
Mould opening speed		38			38			35(48)	
Mould closing speed		37			37			34(48)	
Dry cycle time		1.4			1.4			1.6(1.1)	
Dry cycle(EUROMAP)		41.5			41.5			37.5(54.5)	
Ejector forward force		1.8			2.0			2.2	
Ejector backward force		1.2			1.4			1.5	
Ejector stroke		60			60			60	
Ejector forward speed		42			42			39(55)	
Ejector backard speed		61			61			57(97)	
<i>General</i>									
Motor power		5.5			5.5			7.5(11.2)	
Motor power		7.5			7.5			10(15)	
Heating power	4.33	5.42	5.42	1.38	1.75	2		5.42	
Total current	21.4	25.1	25.1	14.7	15.6	16.1		25(32)	
Temperature zones		4+1		3	3	4		4+1	
Oil tank capacity		100			100			100	
Hopper capacity		20			20			20	
System pressure		140			160			175	
Dimension(l x w x h)		2.82x0.98x1.73			2.82x0.98x1.73			2.82x0.98x1.73	
Weight		1.4			1.5			1.6	