

HAITIAN PLASTICS MACHINERY GROUP CO., LTD
No.1688, Haitian Road, Xiaogang, Beilun, Ningbo, Zhejiang,
China 315801
+ 86-574-8617 7005 (China)
+ 86-574-8617 7242 (International)
haitian@mail.haitian.com
www.haitianpm.com

NINGBO HAITIAN HUAYUAN MACHINERY CO.,LTD.
No.1, Nanhuan Road, Export Processing Zone, Beilun,
Ningbo, Zhejiang, 315806 P.R. China
+86-574-8617 7242
+86-574-8622 1864
haitian@mail.haitian.com
www.haitianpm.com



SPECIFICATIONS



HAITIAN MA III /eco SERIES

Specifications / Europe

600 - 5,300 kN

HT 20201009-EU



TECHNOLOGY TO THE POINT

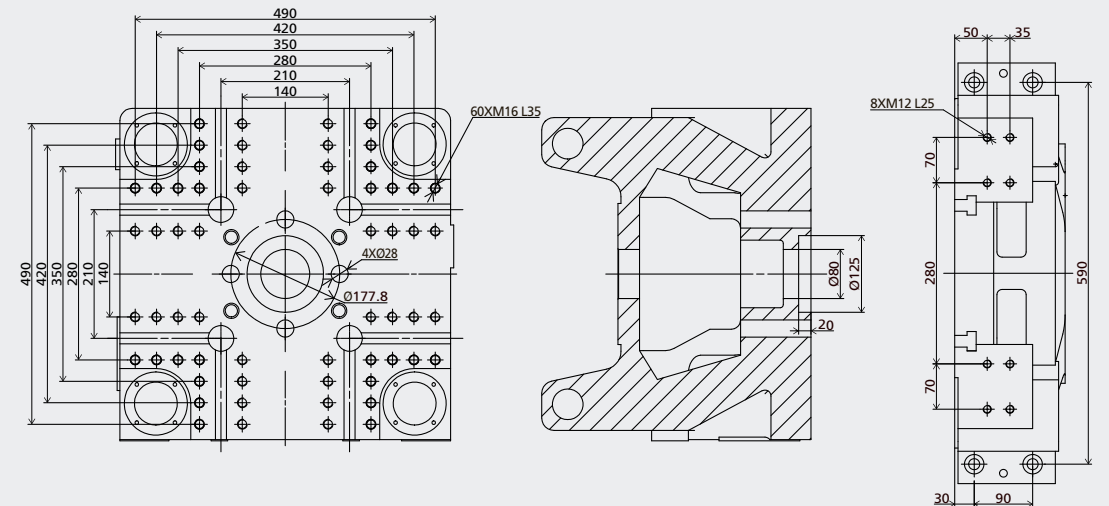
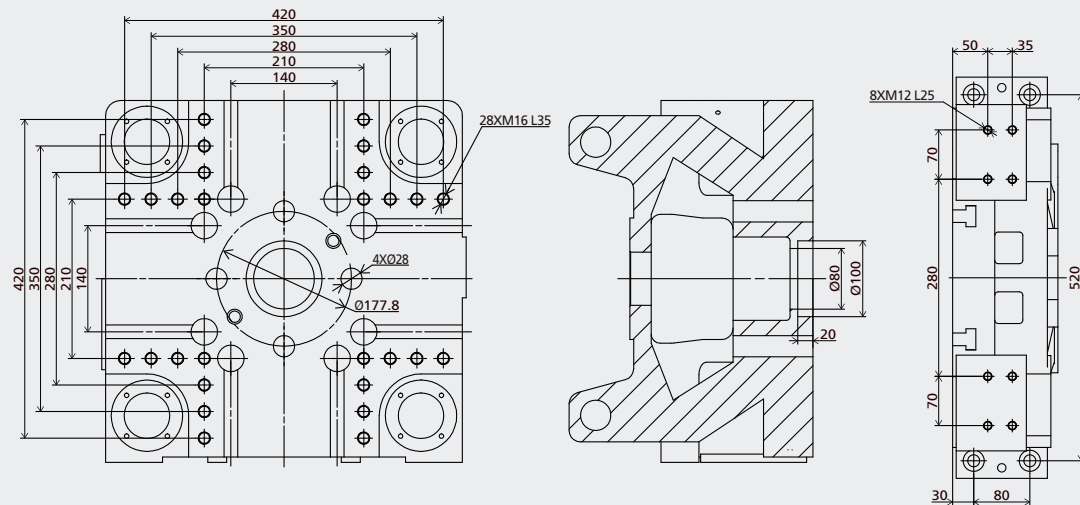
SPECIFICATION

TECHNICAL DATA
MACHINE TYPE

	MA600 III /eco						MA900 III /eco																							
CLAMPING UNIT																														
Clamping force	600						900																							
Mold opening force	38						57																							
Mold platen dimension (HxV)	470x470						540x540																							
Dist. between tie bars (HxV)	310x310						360x360																							
Mold opening stroke	270						310																							
Mold height max.	330						390																							
Mold height min.	120						150																							
Ejector stroke	70						100																							
Ejector tonnage	22						33																							
Minimum mold dimension (LxW)	220x220						250x250																							
INJECTION UNIT																														
Screw diameter	24		28		32		36		40		24		28		32		36		40		36		40		45					
Screw L/D ratio	23.3		20		22.5		20		18		23.3		20		18		23.3		21		18.7		18.7		18.7					
Injection volume (theoretical)	50		68		121		153		188		50		68		121		153		188		173		214		270					
Injection weight (PS)	45		62		110		139		172		45		62		110		139		172		157		194		246					
Injection stroke	110						150						110						150											
Injection speed	137						137						137						137											
Injection rate (PS)	54		73		84		107		131		54		73		84		107		131		102		126		159					
Injection pressure	250		184		234		185		150		250		184		234		185		150		229		186		147					
Plasticizing rate (GPPS) ①	5.1		7.4		10.5		13.9		16.8		5.1		7.4		10.5		13.9		16.8		14.9		18.2		24.1					
Plasticizing rate (HDPE) ②	-						-						-						-											
Screw speed	0-265						0-240						0-265						0-240											
Nozzle stroke	210						290						210						290											
Nozzle force	24.7						24.7						24.7						24.7											
OTHERS																														
Pump motor power	11						13						11						13											
Heater power	6.25						7.85						6.25						7.85											
Machine dimension (LxWxH)	3.87x1.16x1.92						4.04x1.16x1.93						4.12x1.26x1.95						4.22x1.26x1.96						4.55x1.26x2.01					
Machine weight	2.5						2.58						3.27						3.35											
Oil tank	120						120						150						150											

Platen dimensions

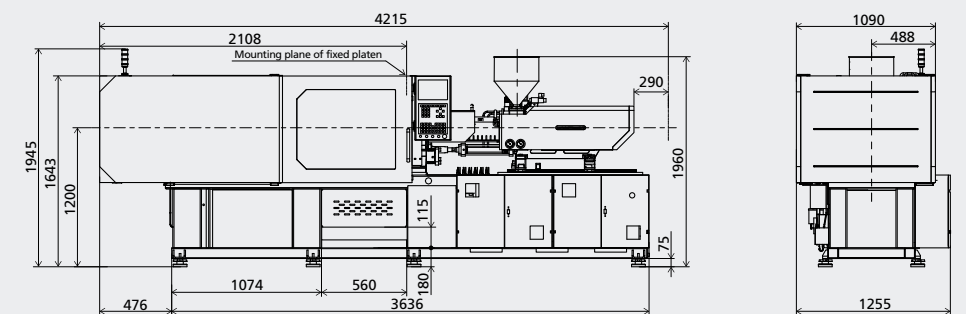
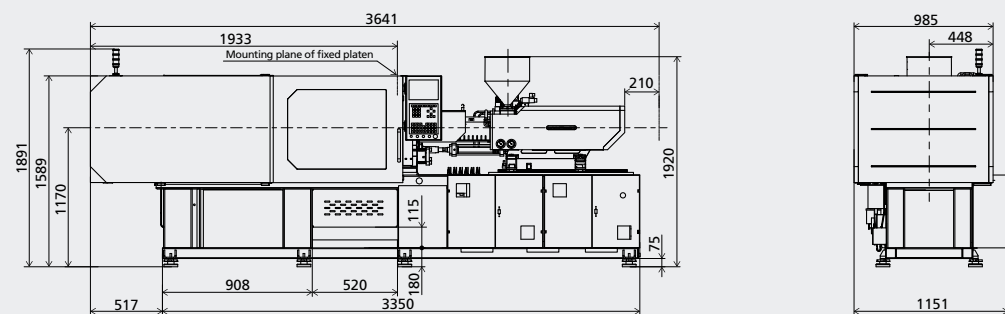
Moving and fixed platen with the same layout.
The ejector holes Ø is valid only for moving platen.



Machine dimensions

- ① Plasticizing capacity (GPPS): China standard GB/22530-2010, with application of GPPS plasticizing capacity of 3-zone screws
- ② Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws

We reserve the right to make changes as a result of further technical advantages.

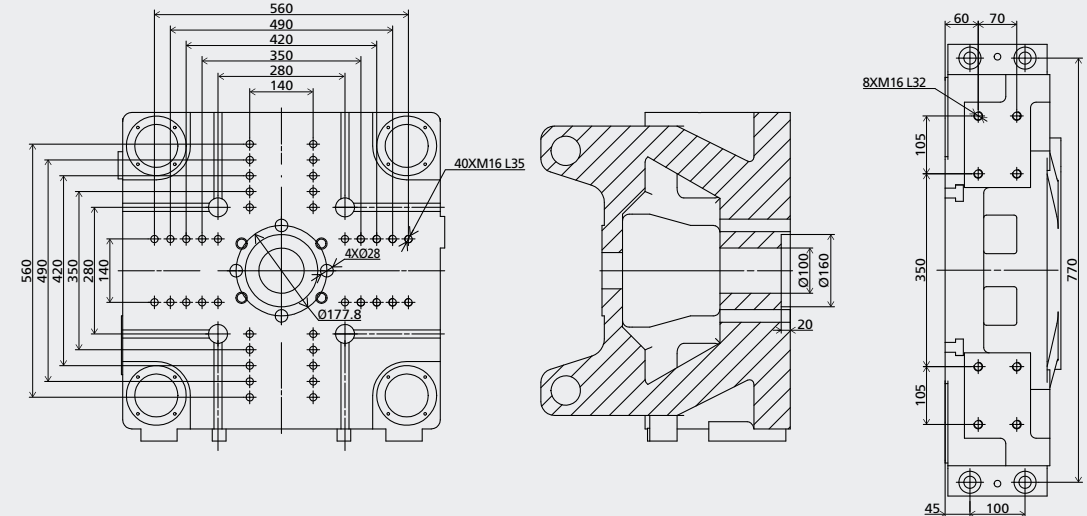
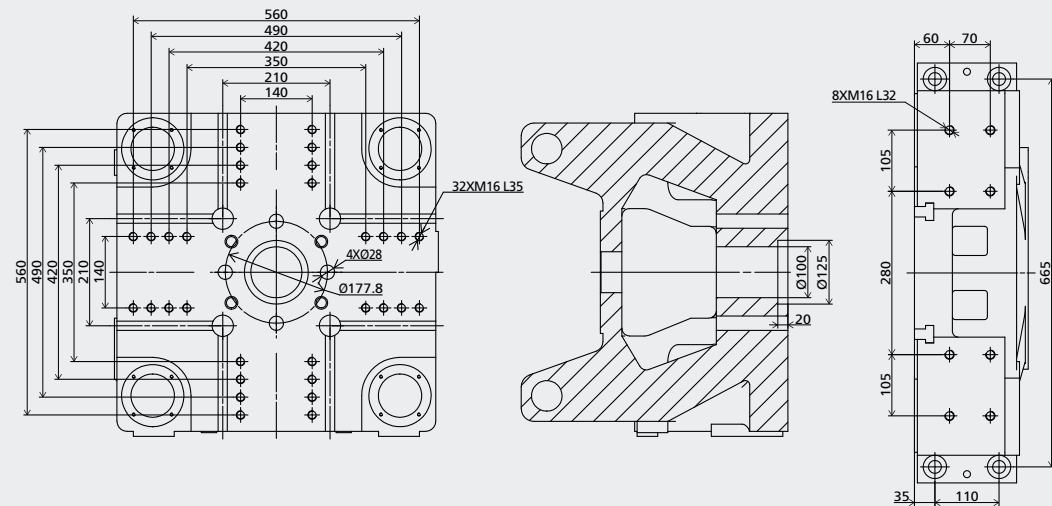


SPECIFICATION

	MA1200 III/eco										MA1600 III/eco										
CLAMPING UNIT																					
Clamping force	kN										1600										
Mold opening force	kN										105										
Mold platen dimension (H×V)	mm										615×615			700×700							
Dist. between tie bars (H×V)	mm										410×410			470×470							
Mold opening stroke	mm										360			430							
Mold height max.	mm										450			520							
Mold height min.	mm										150			180							
Ejector stroke	mm										120			140							
Ejector tonnage	kN										33			33							
Minimum mold dimension (L×W)	mm										290×290			330×330							
INJECTION UNIT																					
Screw diameter	280			400			570			400			570			750					
Screw L/D ratio	L/D			22.5			20			18			23.3			21			18.7		
Injection volume (theoretical)	cm ³			121			153			188			173			214			270		
Injection weight (PS)	g			110			139			172			157			194			246		
Injection stroke	mm			84			107			131			102			126			159		
Injection speed	mm/s			234			185			150			229			186			147		
Injection rate (PS)	g/s			10.5			13.9			16.8			14.9			18.2			24.1		
Injection pressure	MPa			-			-			-			-			-			-		
Plasticizing rate (GPPS) ①	rpm			0-240			0-240			0-215			0-240			0-215			0-170		
Plasticizing rate (HDPE) ②	mm			290			325			325			325			325			400		
Screw speed	kN			24.7			41.2			49.5			41.2			49.5			49.5		
Nozzle stroke	kW			13			15			18.5			15			18.5			22		
Nozzle force	kW			7.85			11.45			11.45			11.45			11.45			20.45		
OTHERS	m			4.58×1.34×2.01			4.84×1.34×2.06			4.86×1.34×2.06			5.33×1.46×2.10			5.36×1.46×2.12			5.76×1.46×2.31		
Pump motor power	t			4.15			4.35			4.48			5.52			5.65			5.8		
Heater power	l			170			170			170			210			210			210		
Machine dimension (L×W×H)																					
Machine weight																					
Oil tank																					

Platen dimensions

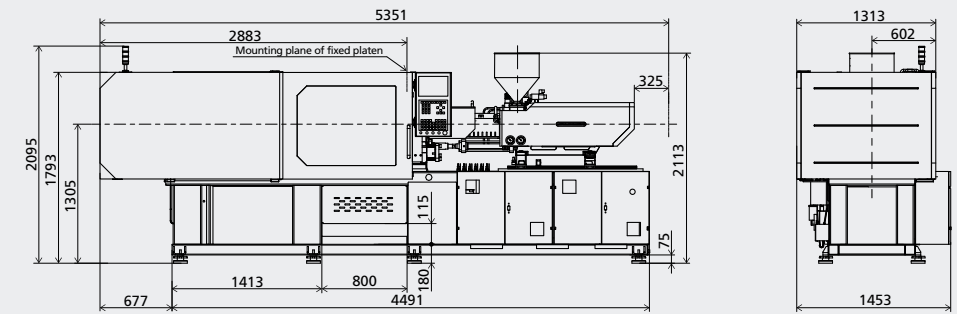
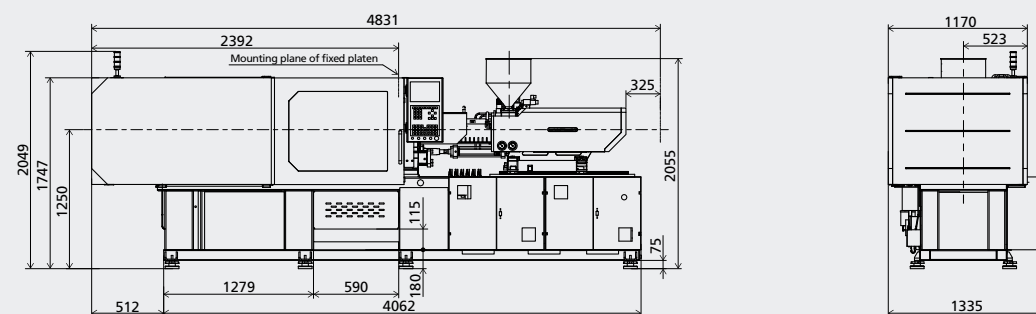
Moving and fixed platen with the same layout.
The ejector holes Ø is valid only for moving platen.



Machine dimensions

- ① Plasticizing capacity (GPPS): China standard GB/22530-2010, with application of GPPS plasticizing capacity of 3-zone screws
- ② Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws

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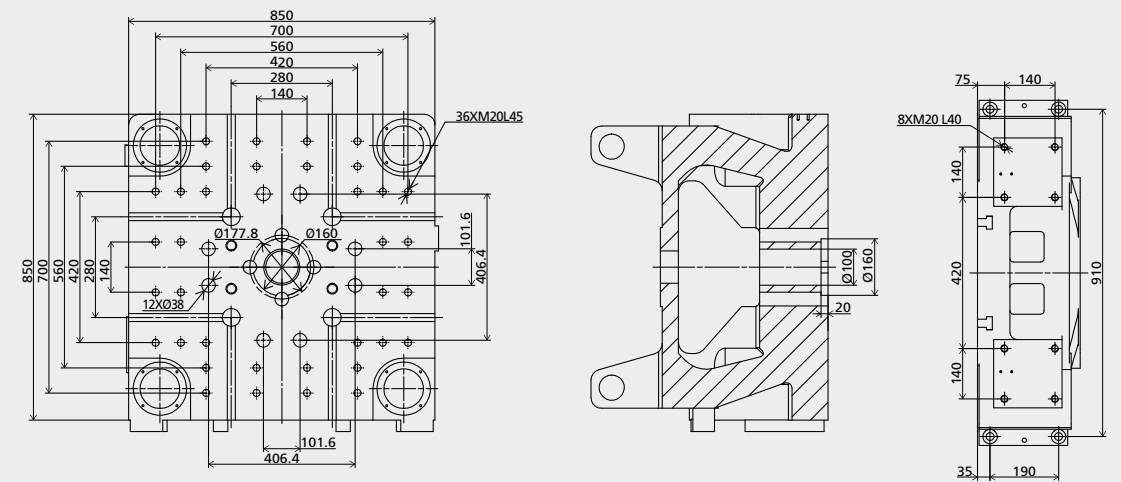
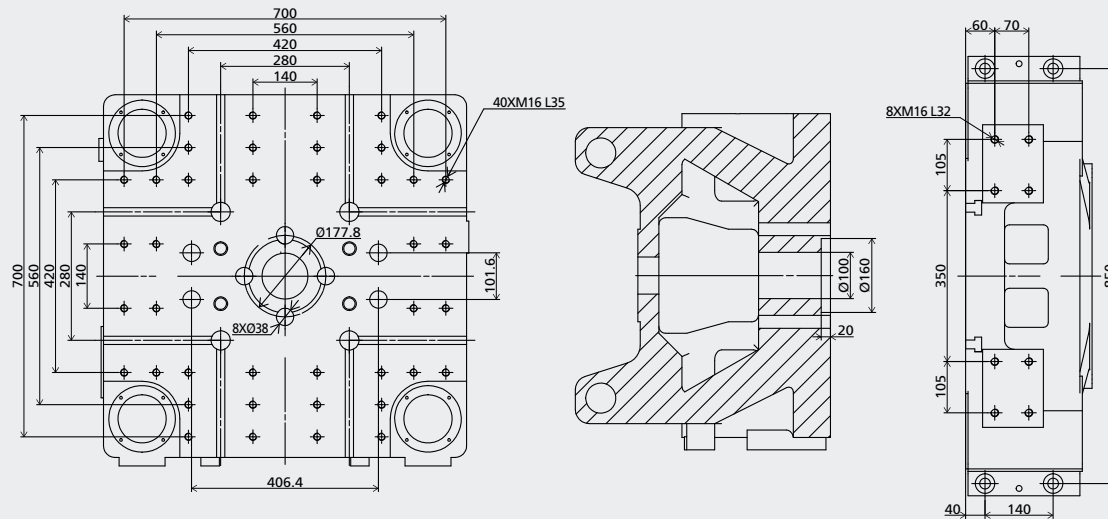
SPECIFICATION

TECHNICAL DATA
MACHINE TYPE

	MA2000 III /eco										MA2500 III /eco									
CLAMPING UNIT																				
Clamping force	kN		2000										2500							
Mold opening force	kN		130										165							
Mold platen dimension (HxV)	mm		790x790										850x850							
Dist. between tie bars (HxV)	mm		530x530										580x580							
Mold opening stroke	mm		490										540							
Mold height max.	mm		550										580							
Mold height min.	mm		200										220							
Ejector stroke	mm		140										150							
Ejector tonnage	kN		62										62							
Minimum mold dimension (LxW)	mm		370x370										410x410							
INJECTION UNIT																				
Screw diameter	mm		570			750			1000			750			1000			1350		
Screw L/D ratio	L/D		22.5			22.2			22			22.2			22			21.8		
Injection volume (theoretical)	cm ³		253			334			471			334			471			618		
Injection weight (PS)	g		230			304			429			304			429			562		
Injection stroke	mm		201			210			240			210			240			260		
Injection speed	mm/s		131			127			122			127			122			128		
Injection rate (PS)	g/s		120			152			188			152			188			227		
Injection pressure	MPa		225			223			224			223			224			223		
Plasticizing rate (GPPS) ①	g/s		17.0			20.3			28.4			20.3			28.4			36.9		
Plasticizing rate (HDPE) ②	-		-			-			-			-			-			-		
Screw speed	rpm		0-215			0-170			0-180			0-170			0-180			0-205		
Nozzle stroke	mm		325			400			400			400			400			450		
Nozzle force	kN		49.5			49.5			99			49.5			99			99		
OTHERS																				
Pump motor power	kW		18.5			22			30			22			30			37		
Heater power	kW		11.45			20.45			21.45			20.45			21.45			25.05		
Machine dimension (LxWxH)	m		5.52x1.52x2.17			5.85x1.52x2.37			6.03x1.52x2.38			6.01x1.60x2.41			6.19x1.60x2.42			6.40x1.60x2.43		
Machine weight	t		6.95			7.1			7.4			8.1			8.4			8.7		
Oil tank	l		250			250			250			340			340			340		

Platen dimensions

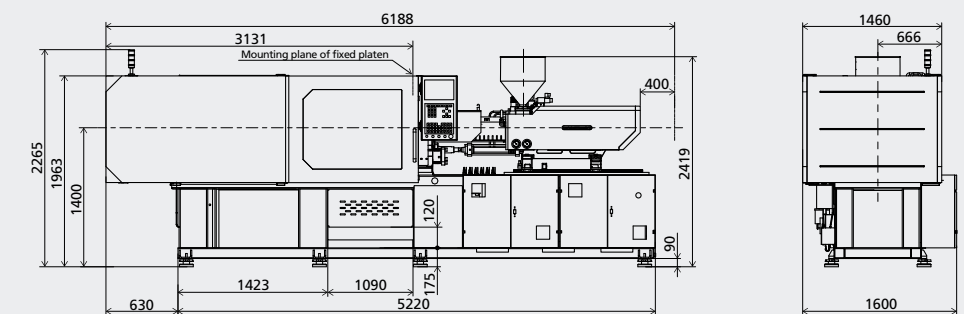
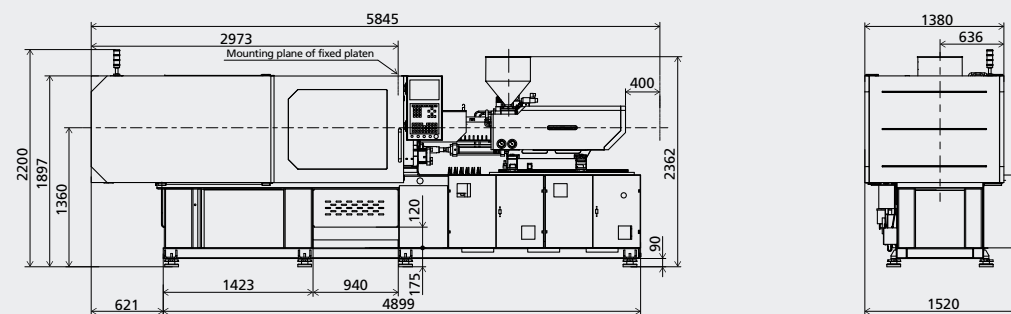
Moving and fixed platen with the same layout.
The ejector holes Ø is valid only for moving platen.



Machine dimensions

- ① Plasticizing capacity (GPPS): China standard GB/22530-2010, with application of GPPS plasticizing capacity of 3-zone screws
- ② Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws

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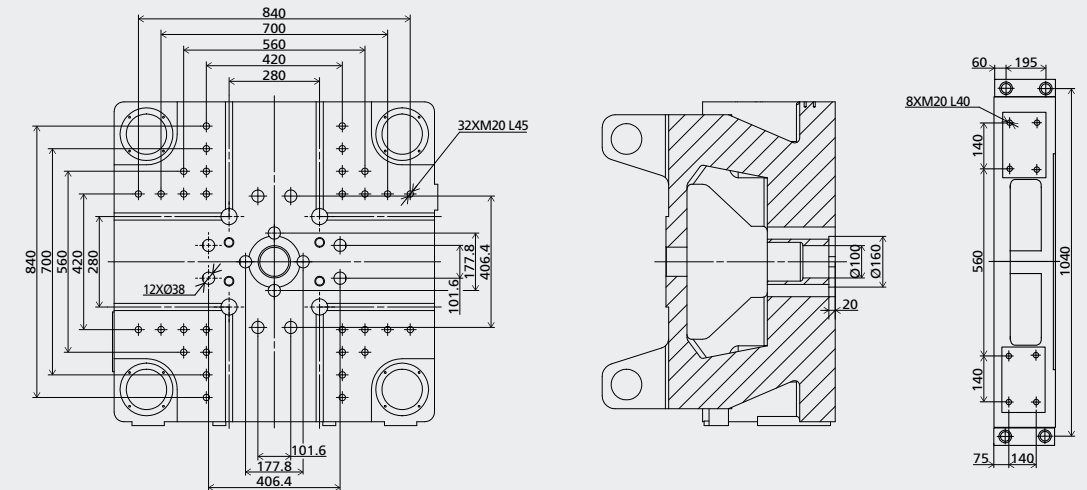
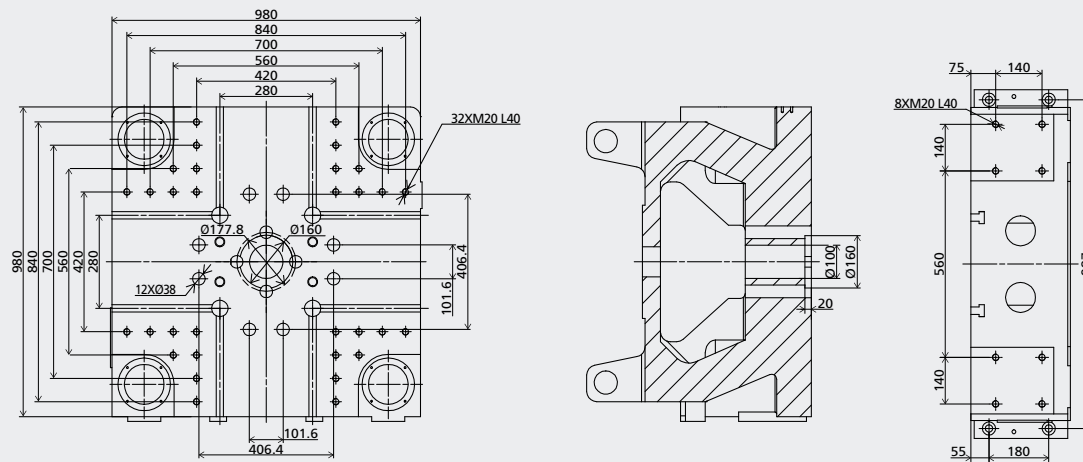
SPECIFICATION

TECHNICAL DATA
MACHINE TYPE

	MA2800 III/eco										MA3200 III/eco										
CLAMPING UNIT																					
Clamping force	2800										3200										
Mold opening force	180										200										
Mold platen dimension (H×V)	930×930										990×990										
Dist. between tie bars (H×V)	630×630										680×680										
Mold opening stroke	590										640										
Mold height max.	630										680										
Mold height min.	230										250										
Ejector stroke	150										160										
Ejector tonnage	62										62										
Minimum mold dimension (L×W)	440×440										475×475										
INJECTION UNIT																					
	1000			1350			1700			1350			1700			2250					
Screw diameter	mm	50	55	60	55	60	65	60	65	70	55	60	65	60	65	70	65	70	75	80	
Screw L/D ratio	L/D	22	20	18.3	21.8	20	18.5	21.7	20	18.6	21.8	20	18.5	21.7	20	18.6	21.5	20	18.7	17.5	
Injection volume (theoretical)	cm ³	471	570	679	618	735	863	792	929	1078	618	735	863	792	929	1078	1068	1239	1423	1619	
Injection weight (PS)	g	429	519	618	562	669	785	720	846	981	562	669	785	720	846	981	972	1128	1295	1473	
Injection stroke	mm	240			260			280			260			280			322				
Injection speed	mm/s	122			128			133			128			133			114				
Injection rate (PS)	g/s	188	227	270	227	270	317	296	347	403	227	270	317	296	347	403	302	350	402	457	
Injection pressure	MPa	224	185	155	223	188	160	213	182	157	223	188	160	213	182	157	212	183	159	140	
Plasticizing rate (GPPS) ①	g/s	28.4	34.8	41.2	36.9	43.8	48.7	51.1	56.7	64.4	36.9	43.8	48.7	51.1	56.7	64.4	49.3	56.6	64.0	71.0	
Plasticizing rate (HDPE) ②		-			-			72			-			72			70.5				
Screw speed	rpm	0-180			0-205			0-225			0-205			0-225			0-185				
Nozzle stroke	mm	400			450			450			450			450			500				
Nozzle force	kN	99			99			99			99			99			99				
OTHERS																					
Pump motor power	kW	30			37			45			37			45			45				
Heater power	kW	21.45			25.05			28.65			25.05			28.65			36.4				
Machine dimension (L×W×H)	m	6.90×1.77×2.26			7.17×1.77×2.58			7.29×1.77×2.58			7.39×1.86×2.55			7.52×1.86×2.55			7.76×1.86×2.55				
Machine weight	t	11.4			11.7			12			13.2			13.5			13.8				
Oil tank	l	440			440			440			500			500			500				

Platen dimensions

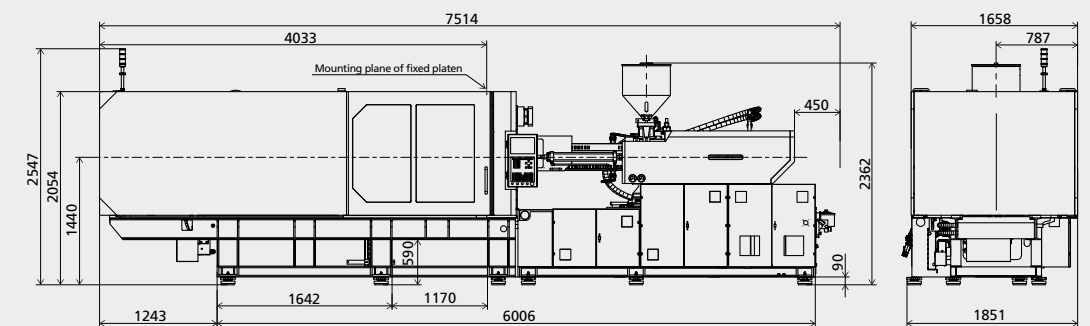
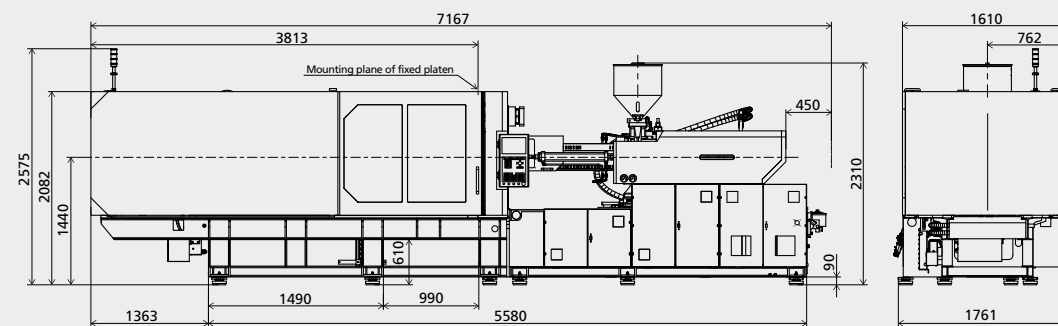
Moving and fixed platen with the same layout.
The ejector holes Ø is valid only for moving platen.



Machine dimensions

- ① Plasticizing capacity (GPPS): China standard GB/22530-2010, with application of GPPS plasticizing capacity of 3-zone screws
- ② Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws

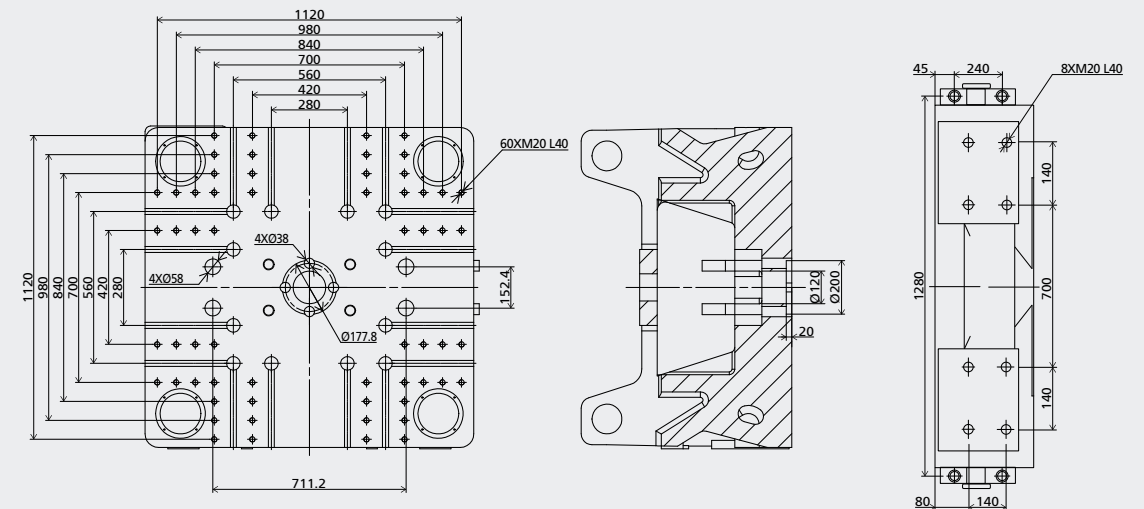
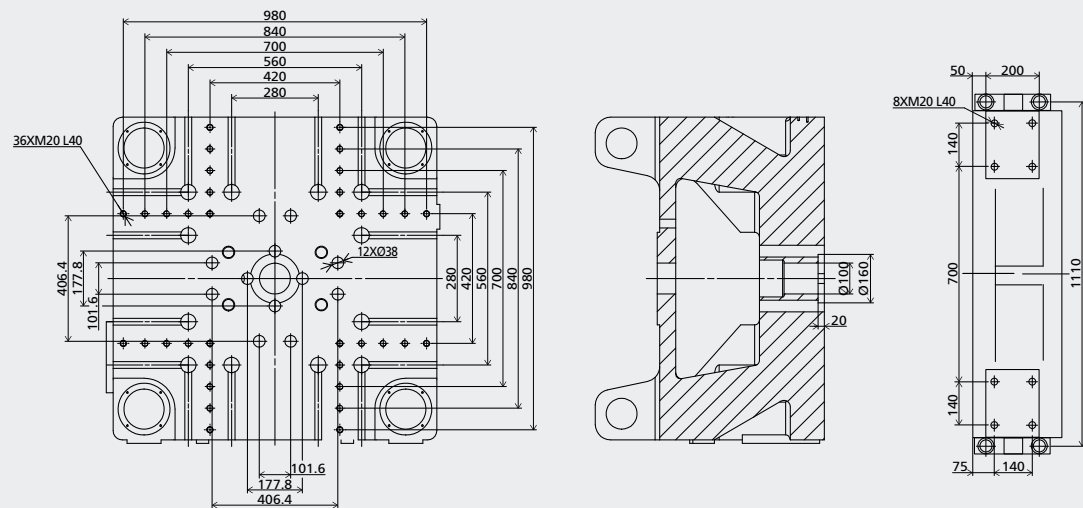
We reserve the right to make changes as a result of further technical advantages.



	MA3800 III /eco												MA4700 III /eco											
CLAMPING UNIT																								
Clamping force	kN												4700											
Mold opening force	kN												300											
Mold platen dimension (H×V)	mm												1210×1180											
Dist. between tie bars (H×V)	mm												820×800											
Mold opening stroke	mm												780											
Mold height max.	mm												780											
Mold height min.	mm												320											
Ejector stroke	mm												200											
Ejector tonnage	kN												110											
Minimum mold dimension (L×W)	mm												580×560											
INJECTION UNIT																								
	1700				2250				3200				2250				3200				4500			
Screw diameter	mm				65 70 75 80				70 80 85 90				65 70 75 80				70 80 85 90				80 85 90 100			
Screw L/D ratio	L/D				21.5 20 18.7 17.5				22.9 20 19.1 17.8				21.5 20 18.7 17.5				22.9 20 19.1 17.8				22 20.7 19.6 17.6			
Injection volume (theoretical)	cm ³				1068 1239 1423 1619				1424 1860 2100 2354				1068 1239 1423 1619				1424 1860 2100 2354				2212 2497 2799 3456			
Injection weight (PS)	g				972 1128 1295 1473				1296 1692 1911 2142				972 1128 1295 1473				1296 1692 1911 2142				2013 2272 2547 3145			
Injection stroke	mm				322				370				322				370				440			
Injection speed	mm/s				114				115				114				115				114			
Injection rate (PS)	g/s				302 350 402 457				350 457 516 579				302 350 402 457				350 457 516 579				470 530 594 734			
Injection pressure	MPa				212 183 159 140				224 172 152 136				212 183 159 140				224 172 152 136				197 175 156 126			
Plasticizing rate (GPPS) ①	g/s				49.3 56.6 64.0 71.0				56.6 74.6 81.9 92.6				49.3 56.6 64.0 71.0				56.6 74.6 81.9 92.6				66.9 74.0 84.2 102.8			
Plasticizing rate (HDPE) ②	g/s				70.5 84 94 106				81 109 123 142				70.5 84 94 106				81 109 123 142				97.2 108 122 150			
Screw speed	rpm				0-185				0-175				0-185				0-175				0-150			
Nozzle stroke	mm				500				600				500				600				660			
Nozzle force	kN				99				99				99				99				99			
OTHERS																								
Pump motor power	kW												45											
Heater power	kW												28.65											
Machine dimension (L×W×H)	m												7.62×1.88×2.51											
Machine weight	t												14.8											
Oil tank	l												540											

Platen dimensions

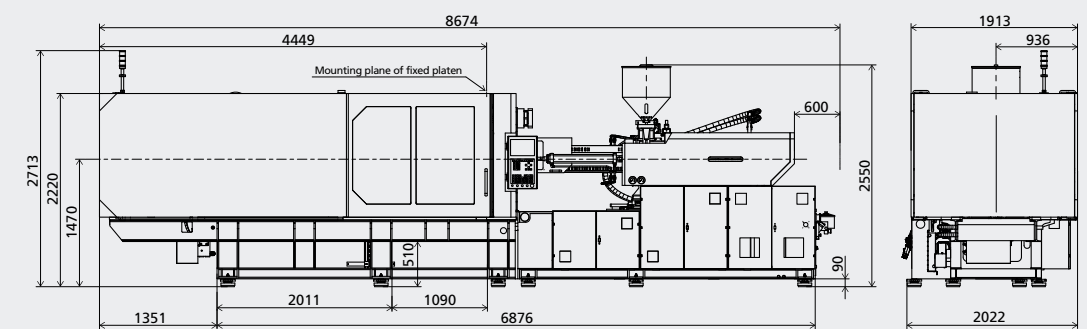
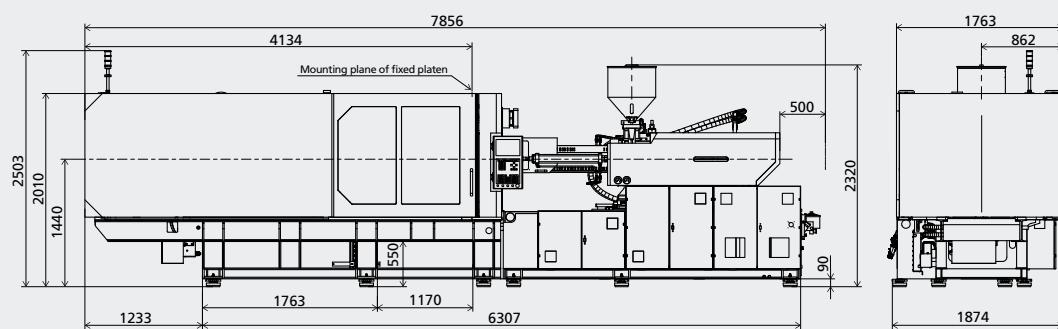
Moving and fixed platen with the same layout.
The ejector holes Ø is valid only for moving platen.



Machine dimensions

- ① Plasticizing capacity (GPPS): China standard GB/22530-2010, with application of GPPS plasticizing capacity of 3-zone screws
- ② Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws

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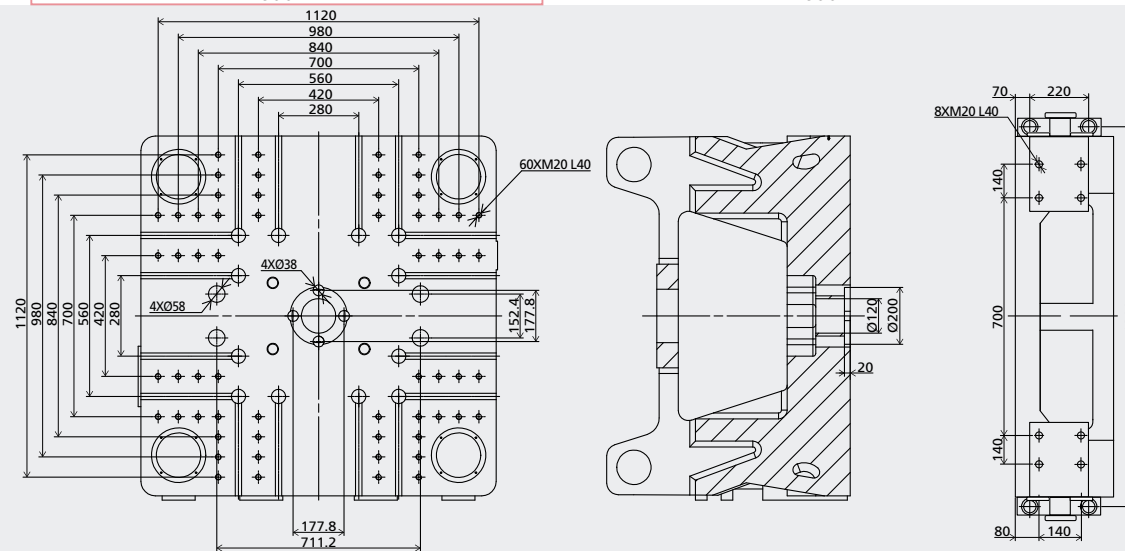
MA5300 III /eco

CLAMPING UNIT		3200				4500			
Clamping force	kN	5300							
Mold opening force	kN	350							
Mold platen dimension (HxV)	mm	1240x1250							
Dist. between tie bars (HxV)	mm	840x830							
Mold opening stroke	mm	850							
Mold height max.	mm	850							
Mold height min.	mm	350							
Ejector stroke	mm	220							
Ejector tonnage	kN	158							
Minimum mold dimension (LxW)	mm	590x580							
INJECTION UNIT		3200				4500			
Screw diameter	mm	70	80	85	90	80	85	90	100
Screw L/D ratio	L/D	22.9	20	19.1	17.8	22	20.7	19.6	17.6
Injection volume (theoretical)	cm ³	1424	1860	2100	2354	2212	2497	2799	3456
Injection weight (PS)	g	1296	1692	1911	2142	2013	2272	2547	3145
Injection stroke	mm	370				440			
Injection speed	mm/s	115				114			
Injection rate (PS)	g/s	350	457	516	579	470	530	594	734
Injection pressure	MPa	224	172	152	136	197	175	156	126
Plasticizing rate (GPPS) ①	g/s	56.6	74.6	81.9	92.6	66.9	74.0	84.2	102.8
Plasticizing rate (HDPE) ②	g/s	81	109	123	142	97.2	108	122	150
Screw speed	rpm	0-175				0-150			
Nozzle stroke	mm	600				660			
Nozzle force	kN	99				99			
OTHERS									
Pump motor power	kW	55				22+45			
Heater power	kW	37.6				42.8			
Machine dimension (LxWxH)	m	9.09x2.06x2.69				9.72x2.06x2.89			
Machine weight	t	21.8				24			
Oil tank	l	800				800			

NOTE:

Platen dimensions

Moving and fixed platen with the same layout.
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Machine dimensions

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