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SPECIFICATIONS



HAITIAN MA III /eco SERIES

Specifications / Europe

600 - 5,300 kN

HT-20210205-EU

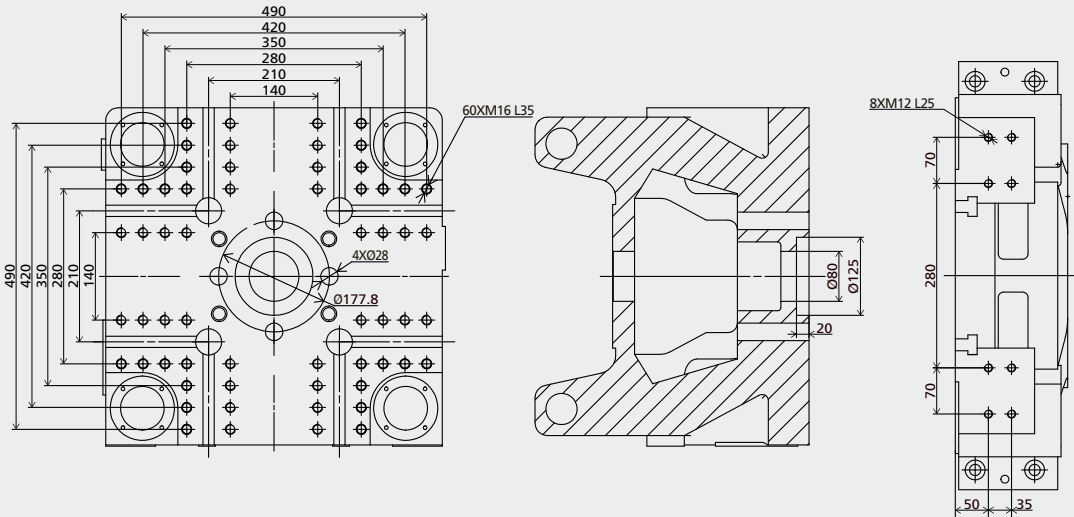
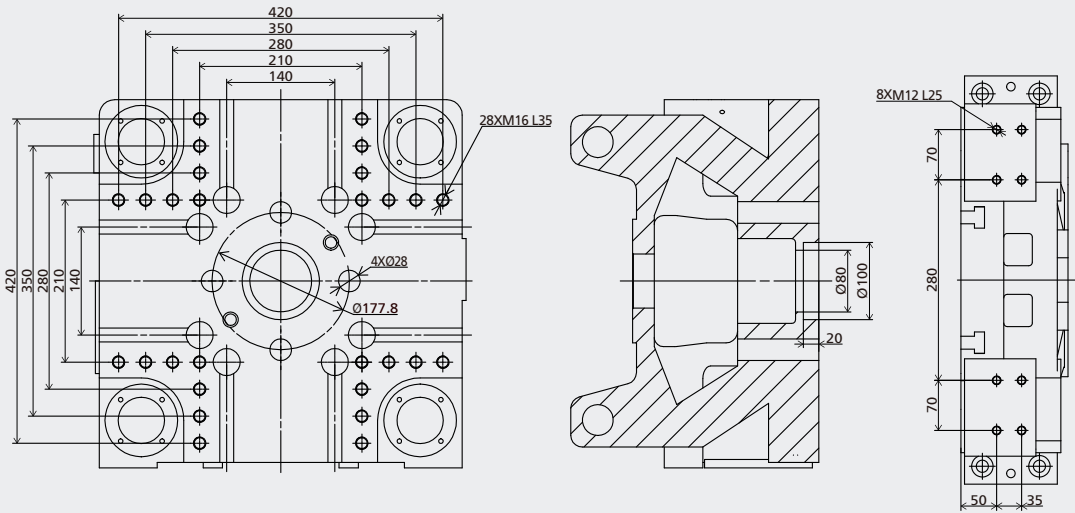


SPECIFICATION

TECHNICAL DATA
MACHINE TYPE

MA600 III /eco			MA900 III /eco		
CLAMPING UNIT					
Clamping force	kN	600	900		
Mold opening force	kN	38	57		
Mold platen dimension (H×V)	mm	470×470	540×540		
Dist. between tie bars (H×V)	mm	310×310	360×360		
Mold opening stroke	mm	270	310		
Mold height max.	mm	330	390		
Mold height min.	mm	120	150		
Ejector stroke	mm	70	100		
Ejector force	kN	22	33		
Minimum mold dimension (L×W)	mm	220×220	250×250		
INJECTION UNIT					
Screw diameter	mm	24 28	130 280 400		
Screw L/D ratio	L/D	23.3 20	23.3 20 18		
Injection volume (theoretical)	cm³	50 68	50 68 84		
Injection weight (PS)	g	45 62	45 62 84		
Injection stroke	mm	110	110		
Injection rate (PS)	g/s	54 73	54 73 84		
Injection pressure	MPa	250 184	250 184 234		
Plasticizing rate (GPPS) ①	g/s	5.1 7.4	5.1 7.4 10.5		
Plasticizing rate (HDPE) ②	g/s	-	-		
Screw speed	rpm	0-265	0-265		
Nozzle stroke	mm	210	210		
Nozzle force	kN	24.7	24.7		
OTHERS					
Pump motor power	kW	11	11		
Heater power	kW	6.25	6.25		
Machine dimension (L×W×H)	m	3.87×1.16×1.92	4.12×1.26×1.95		
Machine weight	t	2.5	3.27		
Oil tank	l	120	150		

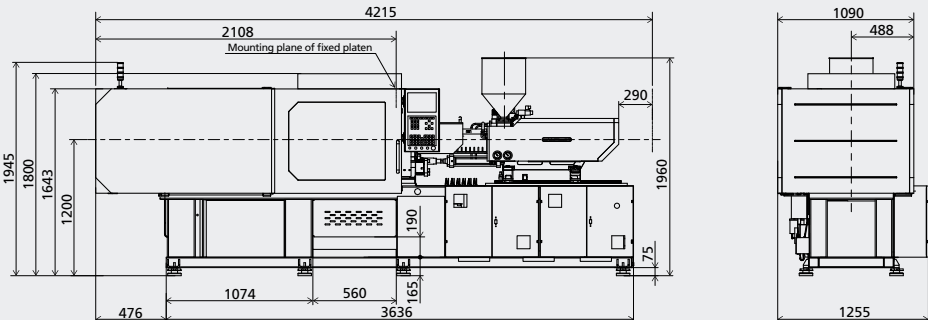
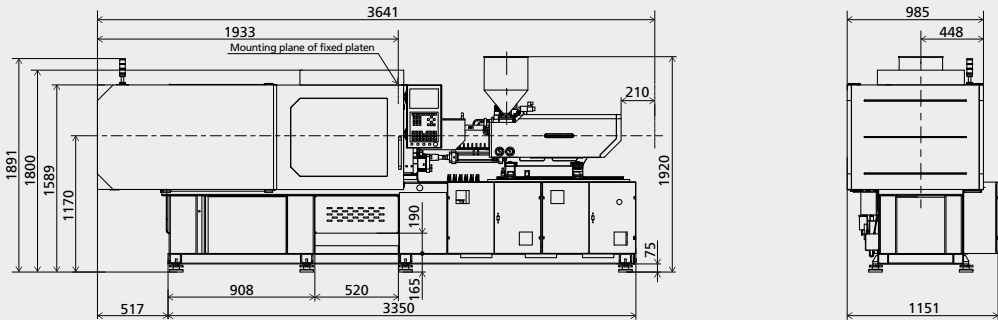
Platen dimensions
Moving and fixed platen with the same layout.
The ejector holes Ø is valid only for moving platen.



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.

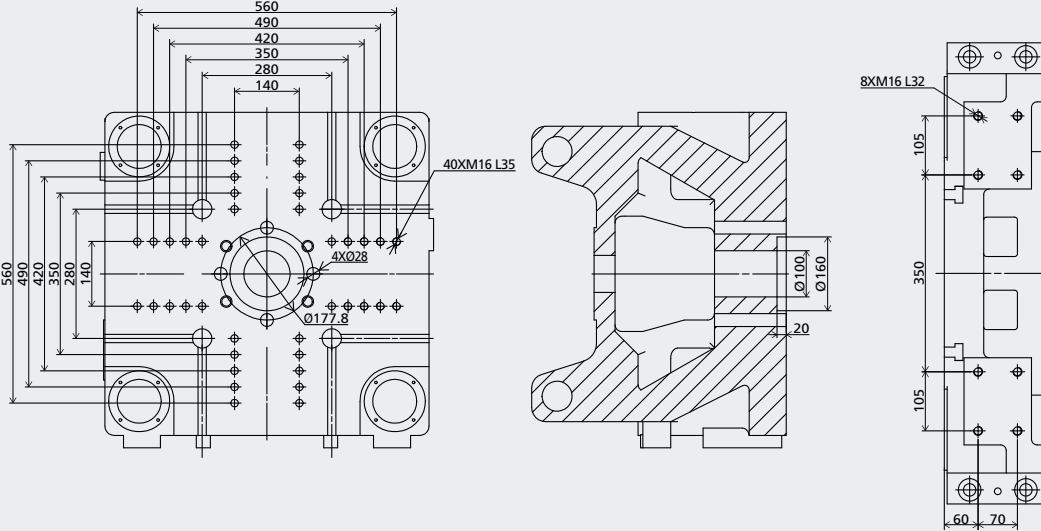
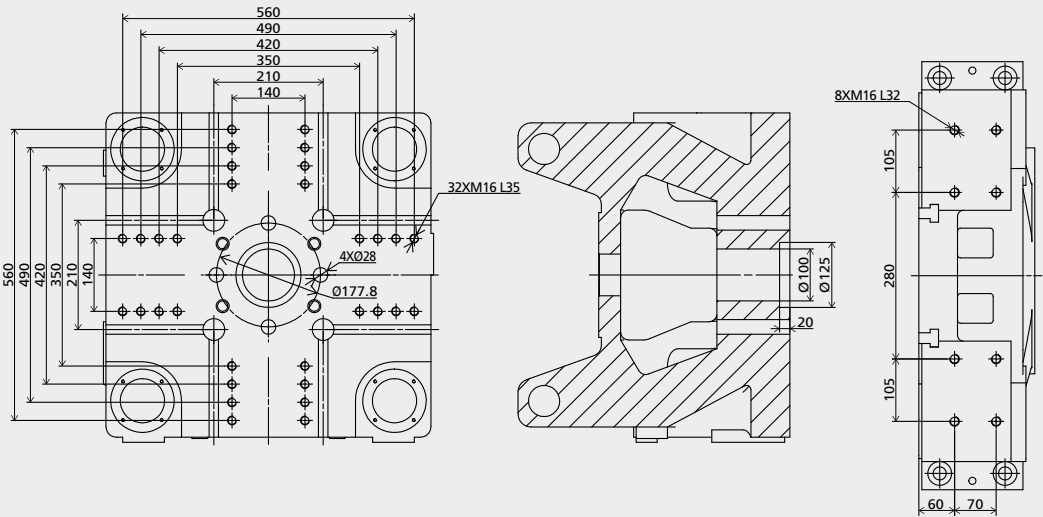


SPECIFICATION

TECHNICAL DATA
MACHINE TYPE

					MA1200 III /eco												MA1600 III /eco											
CLAMPING UNIT																												
Clamping force	kN					1200									1600													
Mold opening force	kN					80									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 force	kN					33									33													
Minimum mold dimension (L×W)	mm					290×290									330×330													
INJECTION UNIT					280			400			570			400			570			750								
Screw diameter	mm	32	36	40	36	40	45	40	45	50	36	40	45	40	45	50	45	50	55									
Screw L/D ratio	L/D	22.5	20	18	23.3	21	18.7	22.5	20	18	23.3	21	18.7	22.5	20	18	22.2	20	18.2									
Injection volume (theoretical)	cm³	121	153	188	173	214	270	253	320	395	173	214	270	253	320	395	334	412	499									
Injection weight (PS)	g	110	139	172	157	194	246	230	291	359	157	194	246	230	291	359	304	375	454									
Injection stroke	mm				150			170			201			170			201			210								
Injection rate (PS)	g/s	84	107	131	102	126	159	120	152	188	102	126	159	120	152	188	152	188	227									
Injection pressure	MPa	234	185	150	229	186	147	225	178	144	229	186	147	225	178	144	223	180	149									
Plasticizing rate (GPPS) ①	g/s	10.5	13.9	16.8	14.9	18.2	24.1	17.0	22.6	28.4	14.9	18.2	24.1	17.0	22.6	28.4	20.3	25.5	31.2									
Plasticizing rate (HDPE) ②	g/s				-			-			-			-			-											
Screw speed	rpm	0-240			0-240			0-215			0-240			0-215			0-170											
Nozzle stroke	mm	290			325			325			325			325			400											
Nozzle force	kN	24.7			41.2			49.5			41.2			49.5			49.5											
OTHERS																												
Pump motor power	kW	13				15			18.5			15			18.5			22										
Heater power	kW	7.85				11.45			11.45			11.45			11.45			20.45										
Machine dimension (L×W×H)	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										
Machine weight	t	4.15				4.35			4.48			5.52			5.65			5.8										
Oil tank	l	170				170			170			210			210			210										

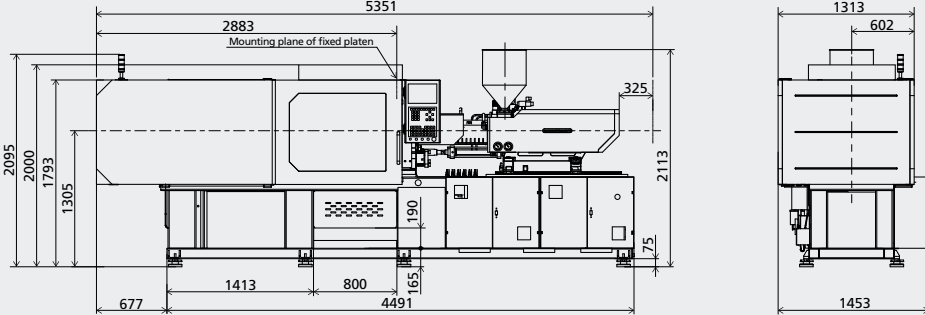
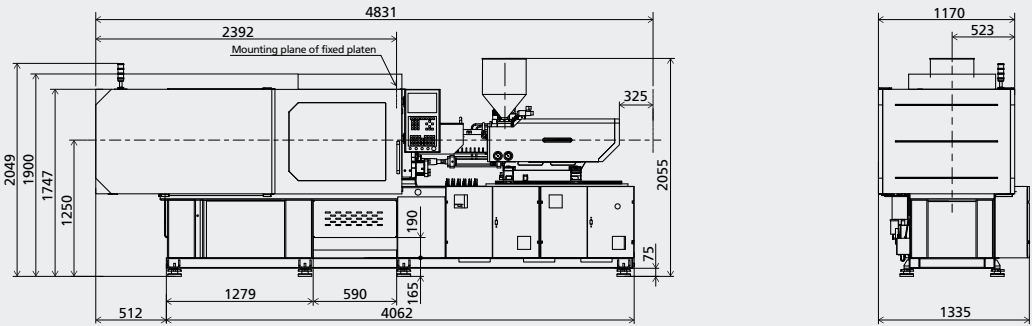
Platen dimensions
Moving and fixed platen with the same layout.
The ejector holes Ø is valid only for moving platen.



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.

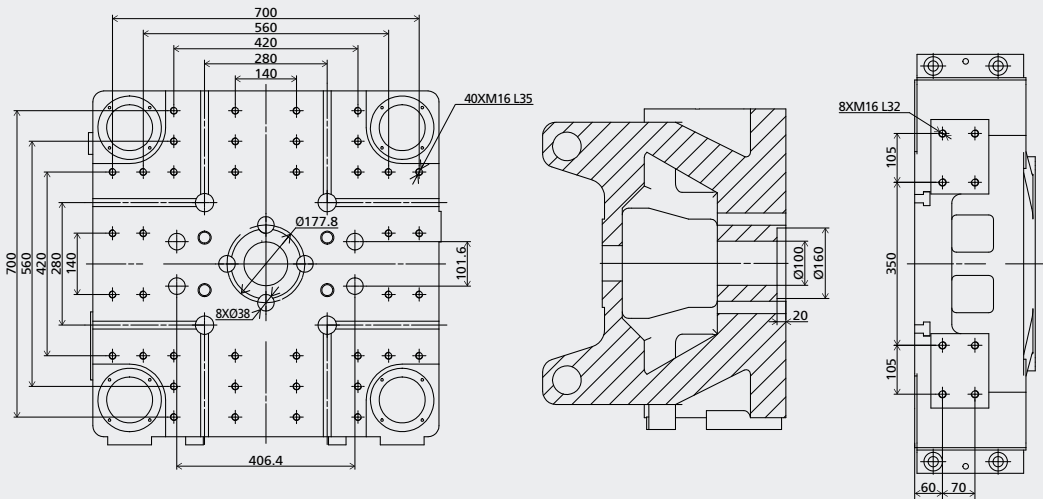


SPECIFICATION

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 (H×V)	mm					790×790									850×850													
Dist. between tie bars (H×V)	mm					530×530									580×580													
Mold opening stroke	mm					490									540													
Mold height max.	mm					550									580													
Mold height min.	mm					200									220													
Ejector stroke	mm					140									150													
Ejector force	kN					62									62													
Minimum mold dimension (L×W)	mm					370×370									410×410													
INJECTION UNIT					570			750			1000			750			1000			1350								
Screw diameter	mm	40	45	50	45	50	55	50	55	60	45	50	55	50	55	60	55	60	65									
Screw L/D ratio	L/D	22.5	20	18	22.2	20	18.2	22	20	18.3	22.2	20	18.2	22	20	18.3	21.8	20	18.5									
Injection volume (theoretical)	cm³	253	320	395	334	412	499	471	570	679	334	412	499	471	570	679	618	735	863									
Injection weight (PS)	g	230	291	359	304	375	454	429	519	618	304	375	454	429	519	618	562	669	785									
Injection stroke	mm	201			210			240			210			240			260											
Injection rate (PS)	g/s	120	152	188	152	188	227	188	227	270	152	188	227	188	227	270	227	270	317									
Injection pressure	MPa	225	178	144	223	180	149	224	185	155	223	180	149	224	185	155	223	188	160									
Plasticizing rate (GPPS) ①	g/s	17.0	22.6	28.4	20.3	25.5	31.2	28.4	34.8	41.2	20.3	25.5	31.2	28.4	34.8	41.2	36.9	43.8	48.7									
Plasticizing rate (HDPE) ②	g/s	-			-			-			-			-			-											
Screw speed	rpm	0-215			0-170			0-180			0-170			0-180			0-205											
Nozzle stroke	mm	325			400			400			400			450			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 (L×W×H)	m	5.52×1.52×2.17			5.85×1.52×2.37			6.03×1.52×2.38			6.01×1.60×2.41			6.19×1.60×2.42			6.40×1.60×2.43											
Machine weight	t	6.95			7.1			7.4			8.1			8.4			8.7											
Oil tank	l	250			250			250			340			340			340											

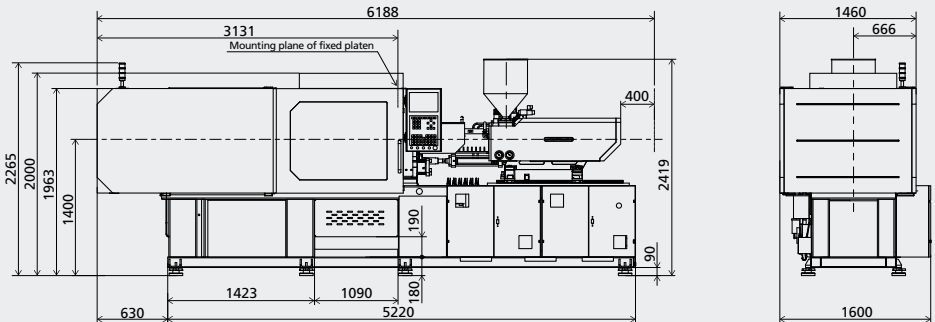
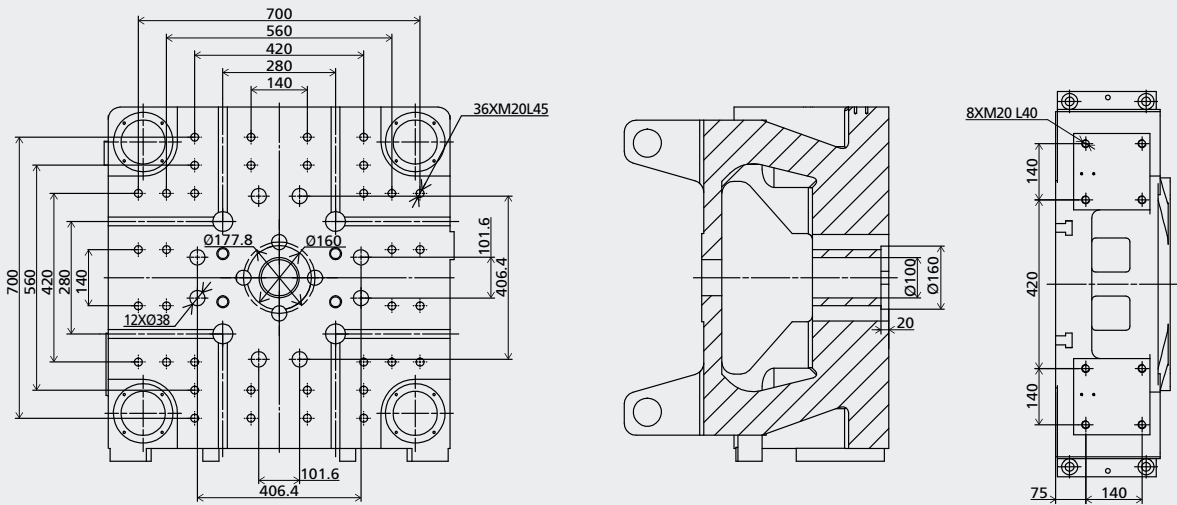
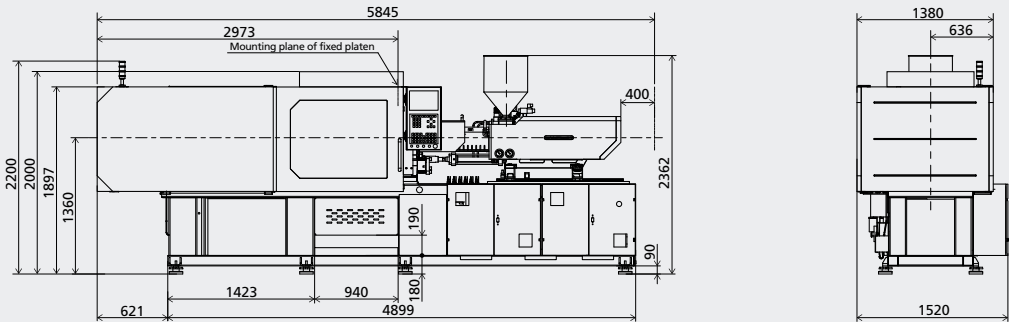
Platen dimensions
Moving and fixed platen with the same layout.
The ejector holes Ø is valid only for moving platen.



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

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

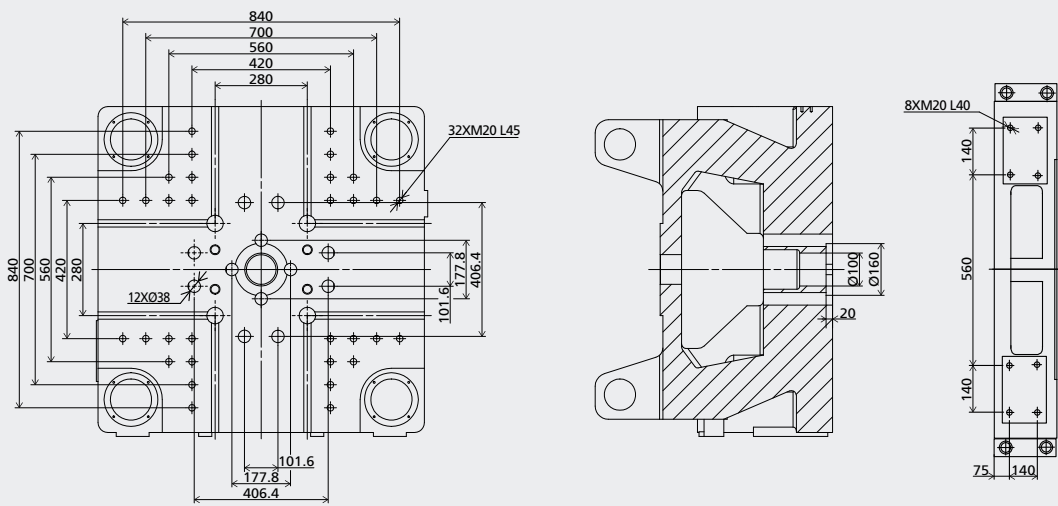
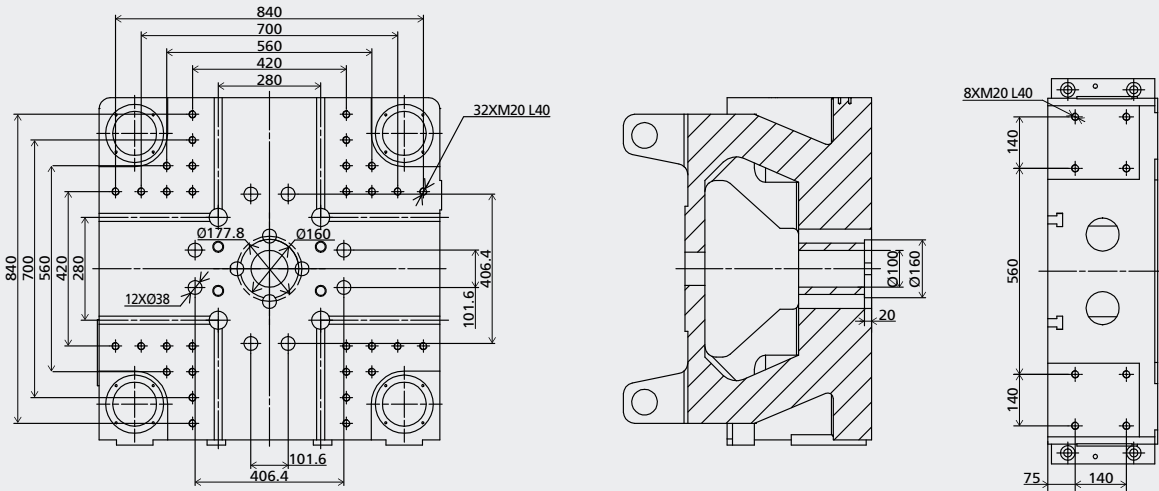


SPECIFICATION

TECHNICAL DATA
MACHINE TYPE

					MA2800 III /eco										MA3200 III /eco									
CLAMPING UNIT																								
Clamping force	kN				2800									3200										
Mold opening force	kN				180									200										
Mold platen dimension (H×V)	mm				930×930									990×990										
Dist. between tie bars (H×V)	mm				630×630									680×680										
Mold opening stroke	mm				590									640										
Mold height max.	mm				630									680										
Mold height min.	mm				230									250										
Ejector stroke	mm				150									160										
Ejector force	kN				62									62										
Minimum mold dimension (L×W)	mm				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)	cm³	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 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	g/s	-			-			72	81	94.5	-			72	81	94.5	70.5	84	94	106				
Screw speed	rpm	0-180			0-205			0-225			0-205			0-225			0-185							
Nozzle stroke	mm	450			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	6.90×1.71×2.26			7.17×1.71×2.58			7.29×1.71×2.58			7.39×1.80×2.55			7.52×1.80×2.55			7.76×1.80×2.55							
Machine weight	t	11.4			11.7			12			13.2			13.5			13.8							
Oil tank	l	440			440			440			500			500			500							

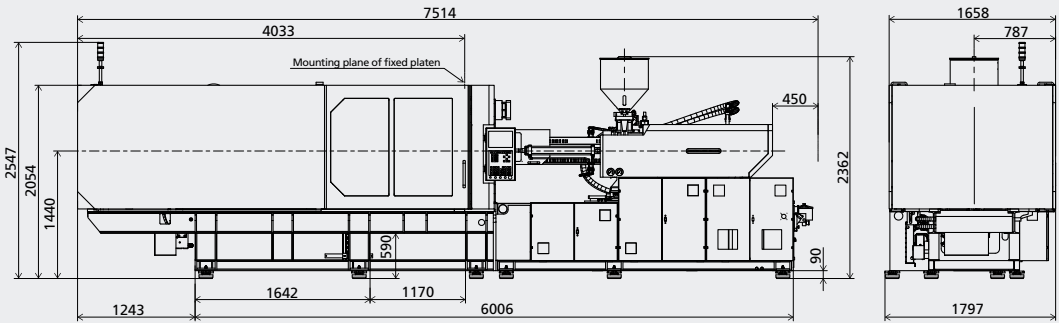
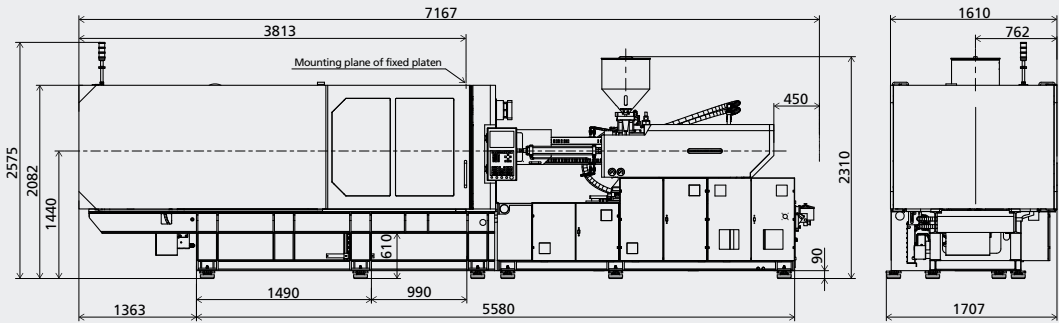
Platen dimensions
Moving and fixed platen with the same layout.
The ejector holes Ø is valid only for moving platen.



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

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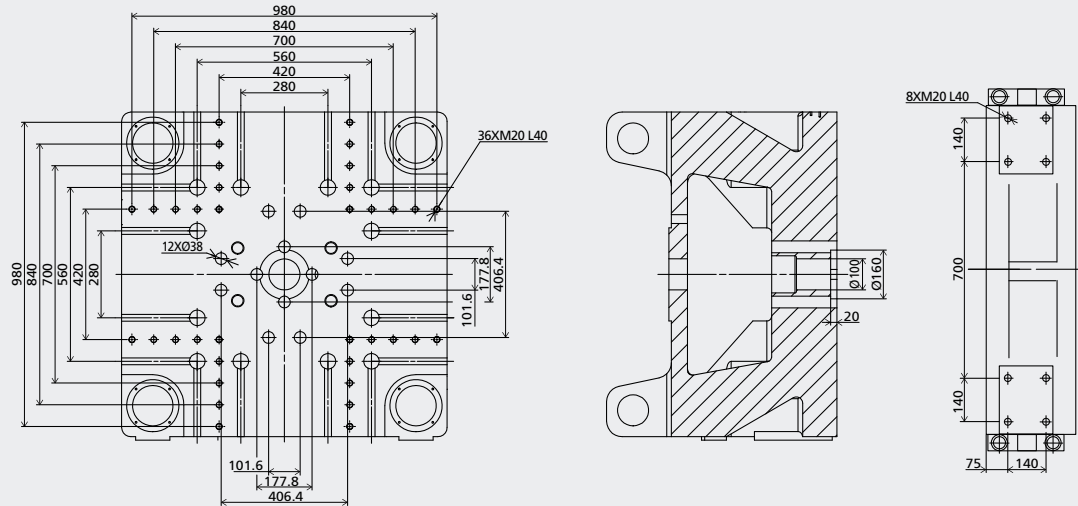


SPECIFICATION

TECHNICAL DATA
MACHINE TYPE

				MA3800 III /eco																MA4700 III /eco											
CLAMPING UNIT																															
Clamping force	kN			3800																4700											
Mold opening force	kN			240																300											
Mold platen dimension (H×V)	mm			1046×1046																1210×1180											
Dist. between tie bars (H×V)	mm			730×730																820×800											
Mold opening stroke	mm			700																780											
Mold height max.	mm			730																780											
Mold height min.	mm			280																320											
Ejector stroke	mm			180																200											
Ejector force	kN			110																110											
Minimum mold dimension (L×W)	mm			510×510																580×560											
INJECTION UNIT				1700				2250				3200				2250				3200				4500							
Screw diameter	mm	60	65	70	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	21.7	20	18.6	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)	cm³	792	929	1078	1068	1239	1423	1619	1424	1860	2100	2354	1068	1239	1423	1619	1424	1860	2100	2354	2212	2497	2799	3456							
Injection weight (PS)	g	720	846	981	972	1128	1295	1473	1296	1692	1911	2142	972	1128	1295	1473	1296	1692	1911	2142	2013	2272	2547	3145							
Injection stroke	mm	280		322				370				322				370				440											
Injection rate (PS)	g/s	296	347	403	302	350	402	457	350	457	516	579	302	350	402	457	350	457	516	579	470	530	594	734							
Injection pressure	MPa	213	182	157	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	51.1	56.7	64.4	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	72	81	94.5	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	0-225		0-185				0-175				0-185				0-175				0-150											
Nozzle stroke	mm	450		500				600				500				600				660											
Nozzle force	kN	99		99				99				99				99				99											
OTHERS																															
Pump motor power	kW	45		45				55				45				55				22+45											
Heater power	kW	28.65		36.4				37.6				36.4				37.6				42.8											
Machine dimension (L×W×H)	m	7.62×1.82×2.51		7.86×1.82×2.51				8.36×1.82×2.51				8.18×1.96×2.72				8.68×1.96×2.72				9.31×1.96×2.72											
Machine weight	t	14.8		15.1				15.8				18.9				19.6				20.3											
Oil tank	l	540		540				640				640				640				800											

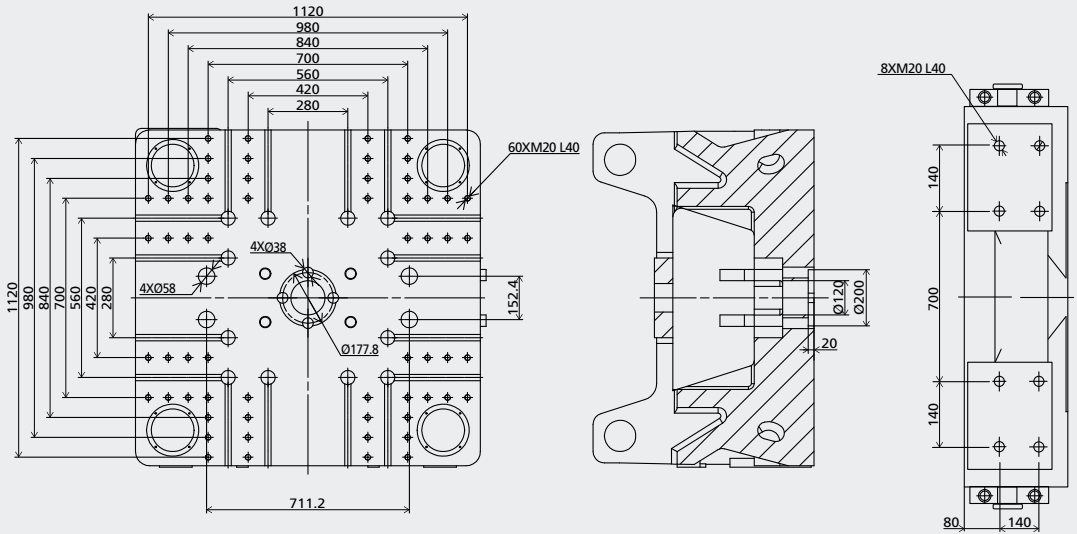
Platen dimensions
Moving and fixed platen with the same layout.
The ejector holes Ø is valid only for moving platen.



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.

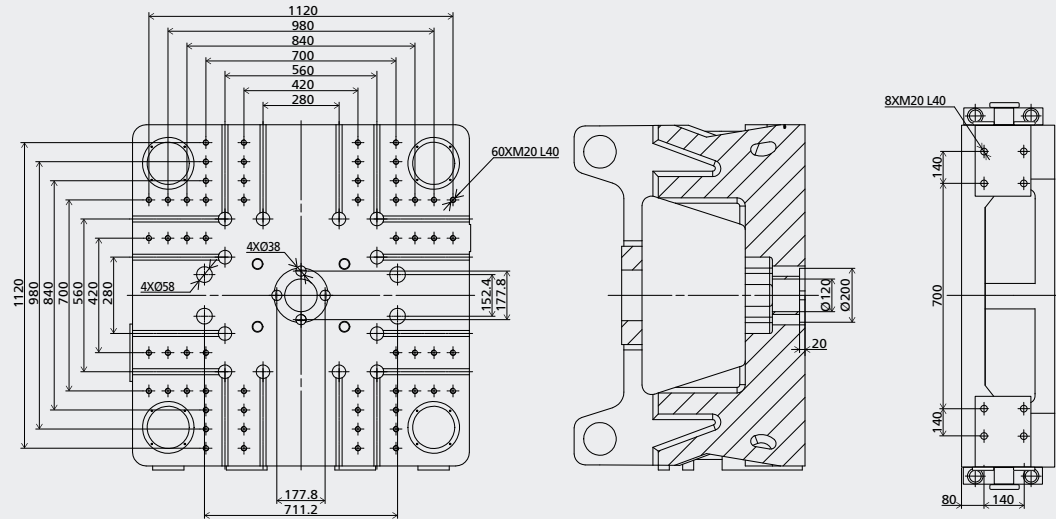


SPECIFICATION

						MA5300 III /eco					
CLAMPING UNIT											
Clamping force	kN					5300					
Mold opening force	kN					350					
Mold platen dimension (H×V)	mm					1240×1250					
Dist. between tie bars (H×V)	mm					840×830					
Mold opening stroke	mm					850					
Mold height max.	mm					850					
Mold height min.	mm					350					
Ejector stroke	mm					220					
Ejector force	kN					158					
Minimum mold dimension (L×W)	mm					590×580					
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)	cm³		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 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 (L×W×H)	m		9.09×2.04×2.69			9.72×2.04×2.89					
Machine weight	t		21.8			24					
Oil tank	l		640			800					

NOTE:

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.

