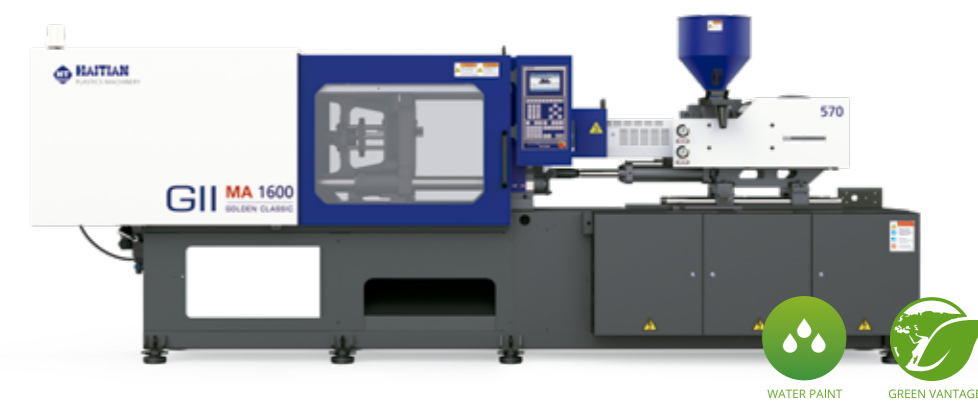


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## HAITIAN MA/GII SERIES

Specifications / Europe

860 - 10,000 kN



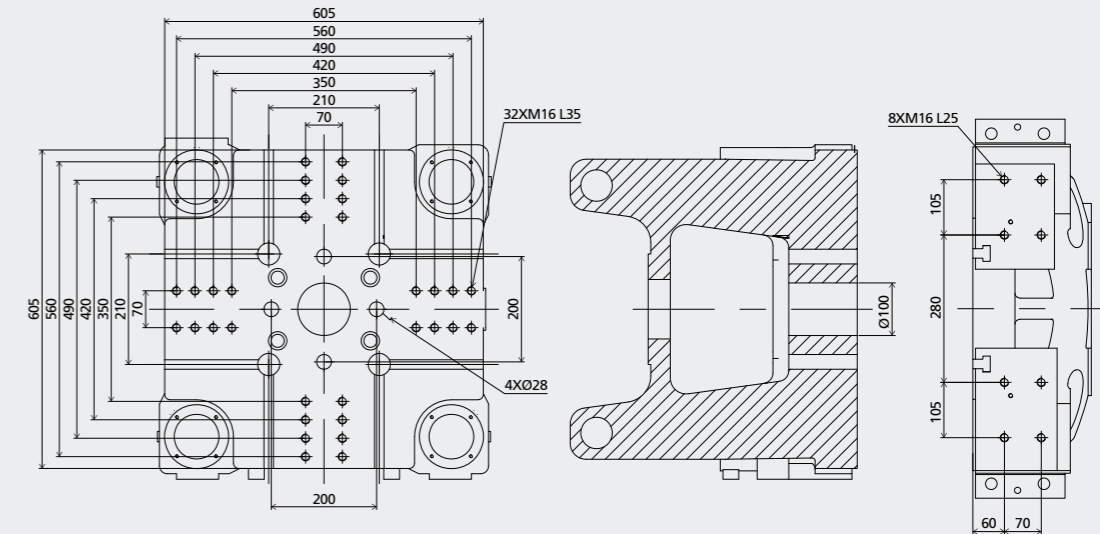
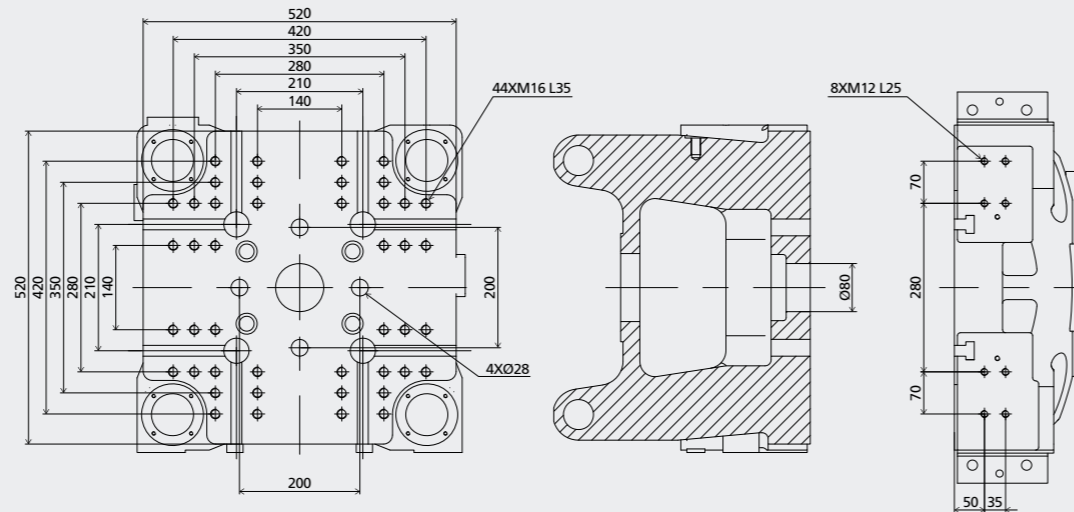
# SPECIFICATION

TECHNICAL DATA  
MACHINE TYPE

	MA860/GII				MA1200/GII		
<b>CLAMPING UNIT</b>							
Clamping force	kN	860			1200		
Mold opening force	kN	57			80		
Mold platen dimension (HxV)	mm	520x520			605x605		
Dist. between tie bars (HxV)	mm	360x360			410x410		
Mold opening stroke	mm	310			350		
Mold height max.	mm	360			430		
Mold height min.	mm	150			150		
Ejector stroke	mm	100			120		
Ejector force	kN	33			33		
Minimum mold dimension (LxW)	mm	255x255			290x290		
<b>INJECTION UNIT</b>							
Screw diameter	mm	32	36	40	36	40	45
Screw L/D ratio	L/D	22.5	20	18	23.3	21	18.7
Injection volume (theoretical)	cm <sup>3</sup>	120	152	188	173	213	270
Injection weight (PS)	g	109	138	171	157	194	246
Injection stroke	mm	150			170		
Injection rate (PS)	g/s	74	94	116	93	115	146
Injection pressure	MPa	237	187	151	231	187	147
Plasticizing rate (GPPS) ①	g/s	9.9	11.3	13.9	10.4	12.7	16.5
Plasticizing rate (HDPE) ②	g/s	-	-	-	-	-	-
Screw speed	rpm	0-235			0-215		
Nozzle stroke	mm	290			325		
Nozzle force	kN	24.7			41.2		
<b>OTHERS</b>							
Pump motor power	kW	13			15		
Heater power	kW	7.85			11.45		
Machine dimension (LxWxH)	m	4.13x1.16x1.97			4.73x1.23x1.99		
Machine weight	t	3			4.1		
Oil tank	l	130			155		

## Platen dimensions

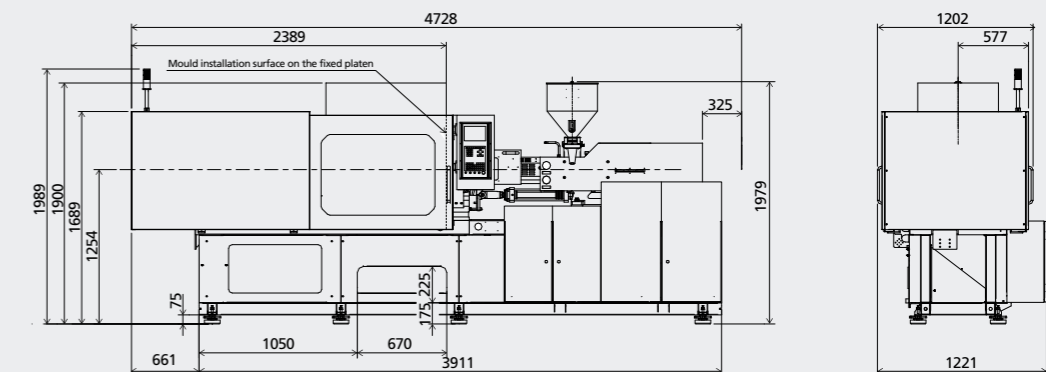
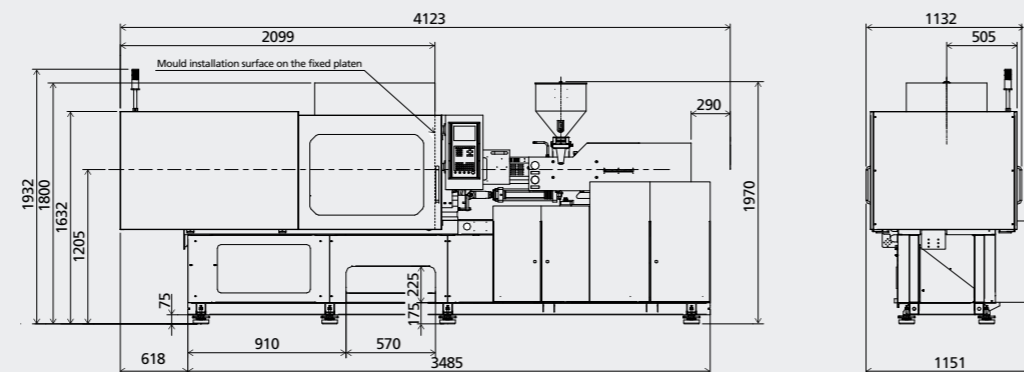
Moving and fixed platen with the same layout.  
The ejector holes Ø is valid only for moving platen.



## Machine dimensions

- ① Plasticizing capacity (GPPS): China standard GB/22530-2008, 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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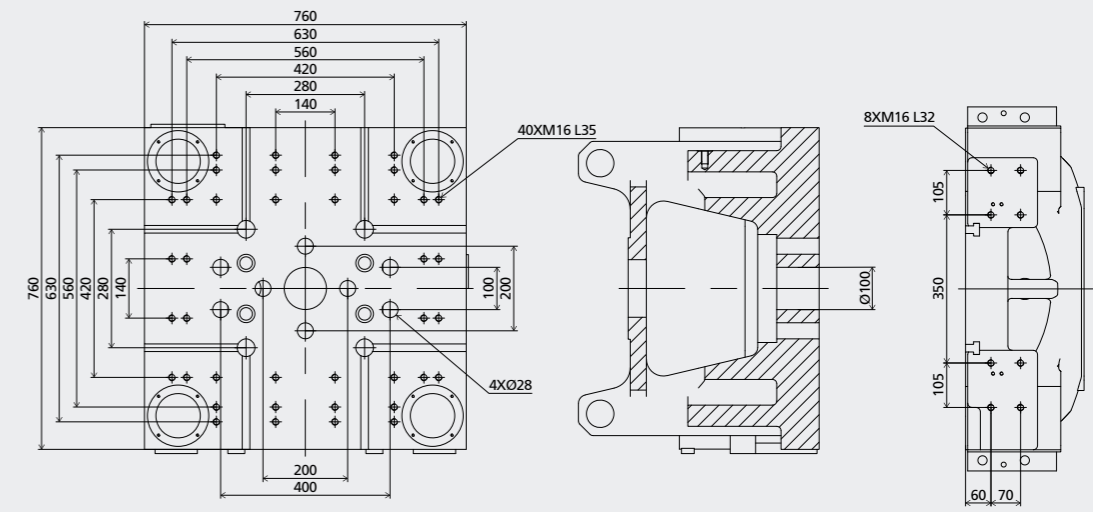
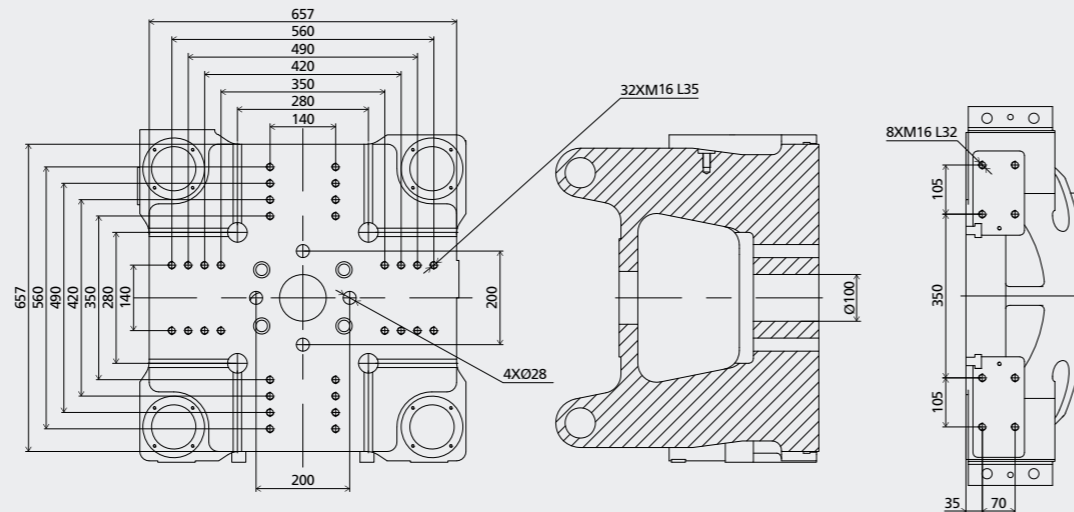
# SPECIFICATION

TECHNICAL DATA  
MACHINE TYPE

	MA1600/GII				MA2000/GII				
<b>CLAMPING UNIT</b>									
Clamping force	kN	1600				2000			
Mold opening force	kN	105				130			
Mold platen dimension (H×V)	mm	657×657				760×760			
Dist. between tie bars (H×V)	mm	470×470				510×510			
Mold opening stroke	mm	420				470			
Mold height max.	mm	500				510			
Mold height min.	mm	180				200			
Ejector stroke	mm	140				140			
Ejector force	kN	33				62			
Minimum mold dimension (L×W)	mm	330×330				370×370			
<b>INJECTION UNIT</b>									
Screw diameter	mm	40	45	50	45	50	55		
Screw L/D ratio	L/D	22.5	20	18	22.2	20	18.2		
Injection volume (theoretical)	cm <sup>3</sup>	252	319	394	365	451	546		
Injection weight (PS)	g	229	290	359	332	410	497		
Injection stroke	mm	201				230			
Injection rate (PS)	g/s	112	141	175	152	187	227		
Injection pressure	MPa	226	178	145	213	172	142		
Plasticizing rate (GPPS) ①	g/s	13.8	17.7	21.1	17.5	21.0	25.9		
Plasticizing rate (HDPE) ②	g/s	-	-	-	-	-	-		
Screw speed	rpm	0 205				0 175			
Nozzle stroke	mm	325				350			
Nozzle force	kN	49.4				49.4			
<b>OTHERS</b>									
Pump motor power	kW	18.5				22			
Heater power	kW	11.45				19.5			
Machine dimension (L×W×H)	m	5.07×1.41×2.07				5.61×1.47×2.17			
Machine weight	t	4.9				6.3			
Oil tank	l	185				235			

## Platen dimensions

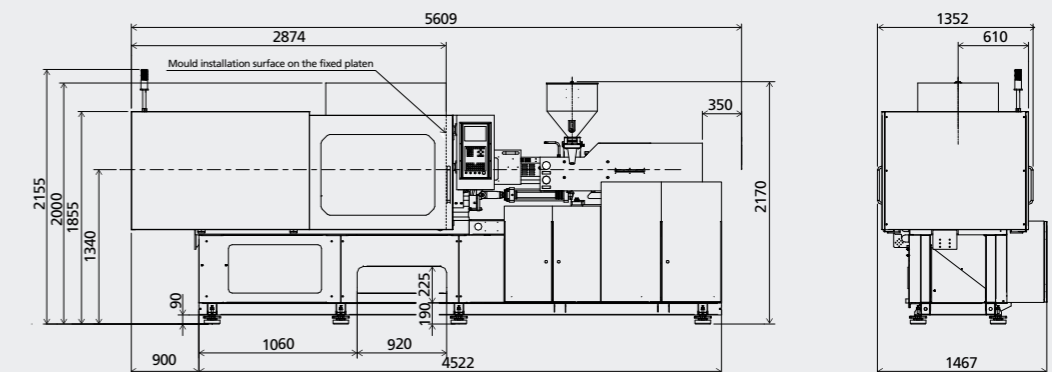
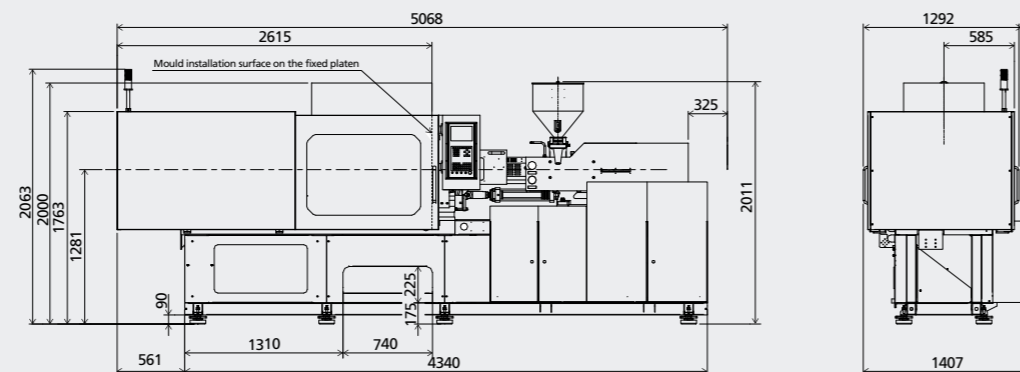
Moving and fixed platen with the same layout.  
The ejector holes Ø is valid only for moving platen.



## Machine dimensions

- ① Plasticizing capacity (GPPS): China standard GB/22530-2008, 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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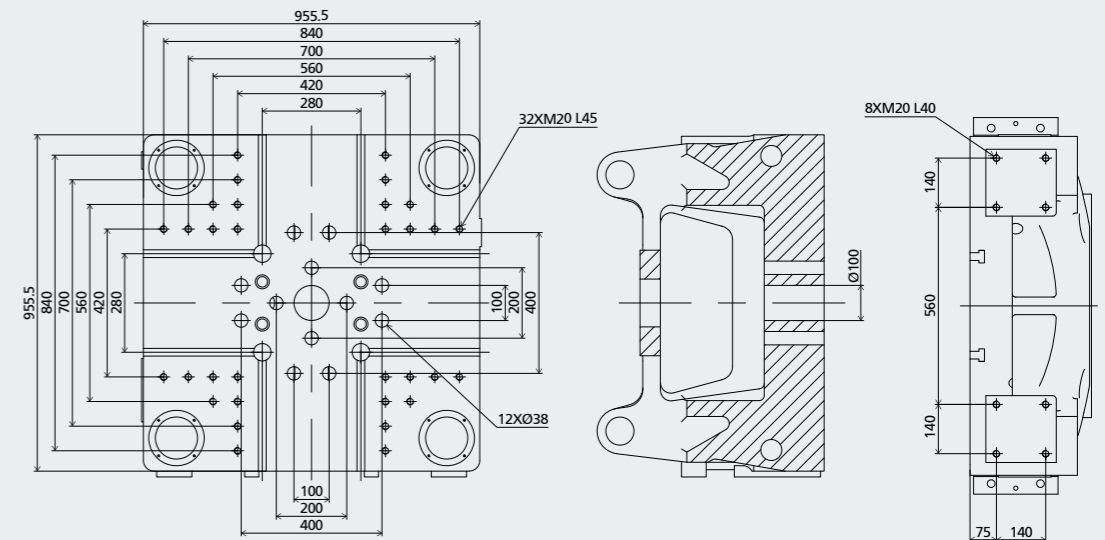
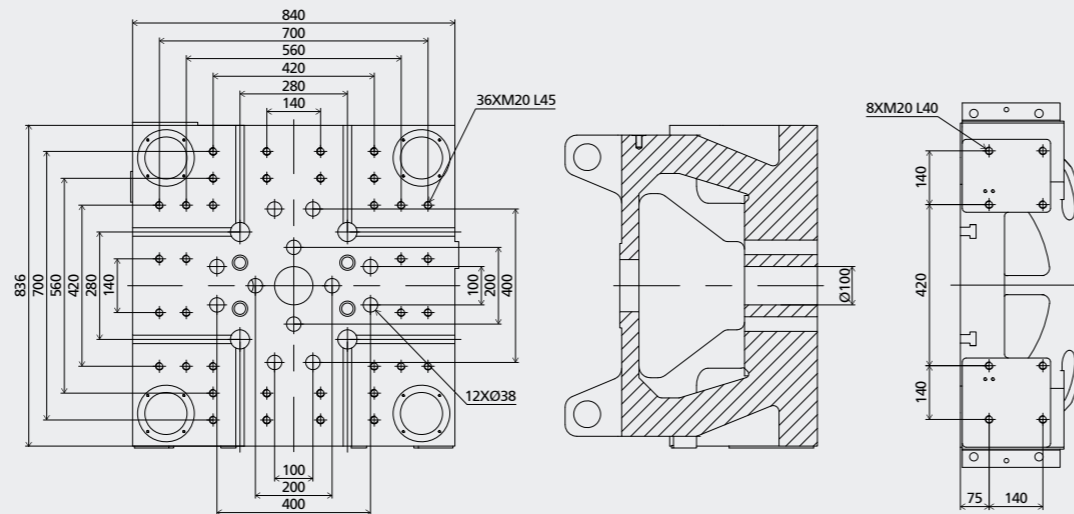
# SPECIFICATION

TECHNICAL DATA  
MACHINE TYPE

	MA2500/GII				MA3000/GII				
<b>CLAMPING UNIT</b>									
Clamping force	kN	2500				3000			
Mold opening force	kN	165				200			
Mold platen dimension (H×V)	mm	840×836				955.5×955.5			
Dist. between tie bars (H×V)	mm	570×570				660×660			
Mold opening stroke	mm	540				600			
Mold height max.	mm	570				660			
Mold height min.	mm	220				250			
Ejector stroke	mm	150				160			
Ejector force	kN	62				62			
Minimum mold dimension (L×W)	mm	400×400				460×460			
<b>INJECTION UNIT</b>									
Screw diameter	mm	50	55	60	60	65	70		
Screw L/D ratio	L/D	22	20	18.3	21.7	20	18.6		
Injection volume (theoretical)	cm <sup>3</sup>	496	601	715	848	995	1154		
Injection weight (PS)	g	452	546	650	771	905	1050		
Injection stroke	mm	253				300			
Injection rate (PS)	g/s	173	209	249	241	283	328		
Injection pressure	MPa	213	176	148	211	181	155		
Plasticizing rate (GPPS) ①	g/s	21.6	26.6	30.3	32.8	37.2	43.7		
Plasticizing rate (HDPE) ②	g/s	-	-	-	59.2	66.6	77.7		
Screw speed	rpm	0-175				0-185			
Nozzle stroke	mm	390				450			
Nozzle force	kN	49.4				98.9			
<b>OTHERS</b>									
Pump motor power	kW	30				37			
Heater power	kW	23.1				26.65			
Machine dimension (L×W×H)	m	6.25×1.56×2.20				7.02×1.80×2.38			
Machine weight	t	7.8				11.5			
Oil tank	l	270				420			

## Platen dimensions

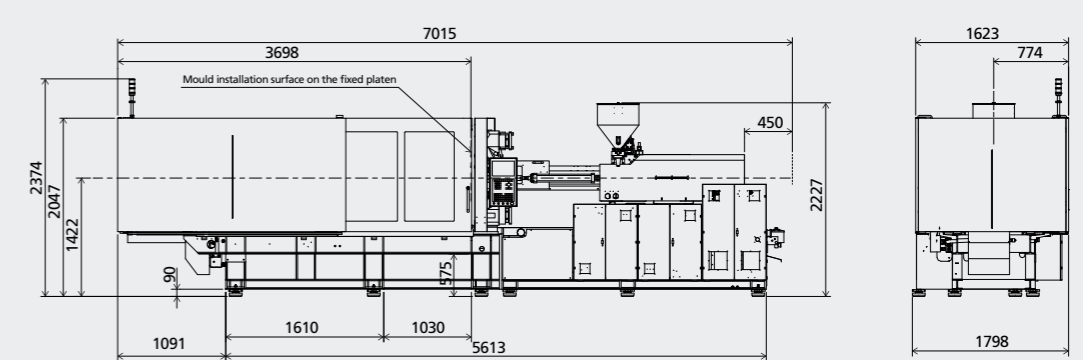
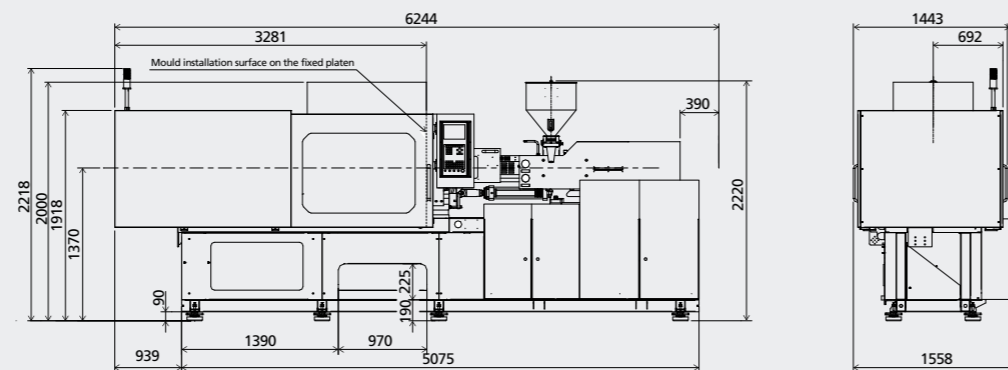
Moving and fixed platen with the same layout.  
The ejector holes Ø is valid only for moving platen.



## Machine dimensions

- ① Plasticizing capacity (GPPS): China standard GB/22530-2008, 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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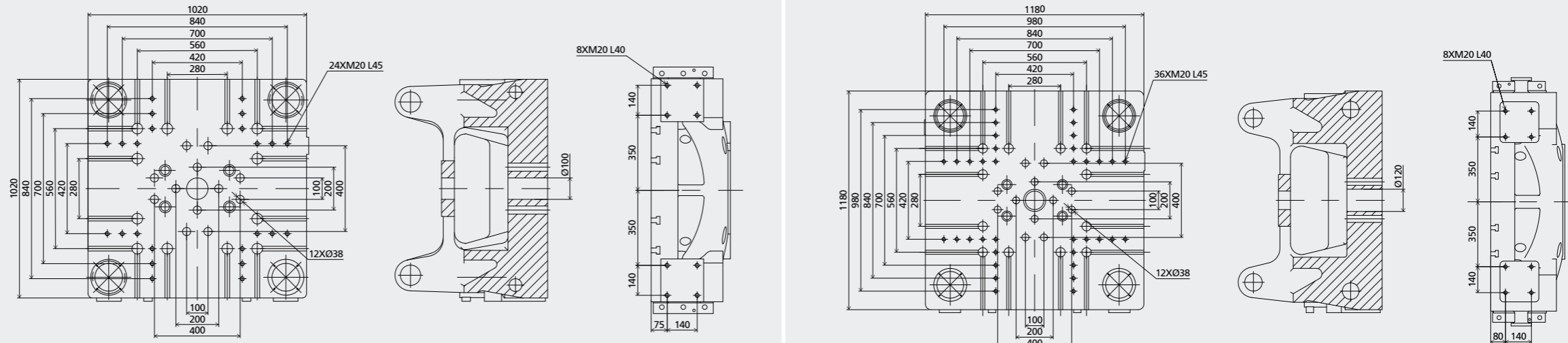
# SPECIFICATION

TECHNICAL DATA  
MACHINE TYPE

	MA3600/GII			MA4500/GII			
<b>CLAMPING UNIT</b>							
Clamping force	kN	3600			4500		
Mold opening force	kN	240			300		
Mold platen dimension (HxV)	mm	1020x1020			1180x1180		
Dist. between tie bars (HxV)	mm	710x710			780x780		
Mold opening stroke	mm	660			740		
Mold height max.	mm	710			780		
Mold height min.	mm	250			330		
Ejector stroke	mm	160			200		
Ejector force	kN	110			110		
Minimum mold dimension (LxW)	mm	500x500			550x550		
<b>INJECTION UNIT</b>							
Screw diameter	mm	65	70	80	70	80	90
Screw L/D ratio	L/D	21.5	20	17.5	22.9	20	17.8
Injection volume (theoretical)	cm <sup>3</sup>	1068	1239	1618	1423	1859	2353
Injection weight (PS)	g	972	1127	1472	1295	1692	2141
Injection stroke	mm	322			370		
Injection rate (PS)	g/s	316	366	478	351	459	580
Injection pressure	MPa	203	176	135	226	174	137
Plasticizing rate (GPPS) ①	g/s	40.4	47.4	62	48.8	63.9	78.2
Plasticizing rate (HDPE) ②	g/s	72.5	86.3	109	85.6	115	150
Screw speed	rpm	0-190			0-185		
Nozzle stroke	mm	550			600		
Nozzle force	kN	98.9			98.9		
<b>OTHERS</b>							
Pump motor power	kW	45			55		
Heater power	kW	36.2			38.1		
Machine dimension (LxWxH)	m	7.52x1.80x2.34			8.43x1.95x2.72		
Machine weight	t	14.9			19		
Oil tank	l	510			630		

## Platen dimensions

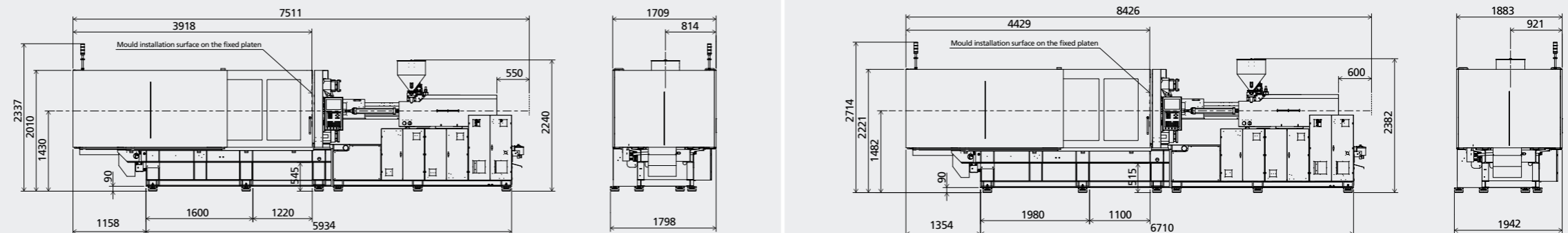
Moving and fixed platen with the same layout.  
The ejector holes Ø is valid only for moving platen.



## Machine dimensions

- ① Plasticizing capacity (GPPS): China standard GB/22530-2008, 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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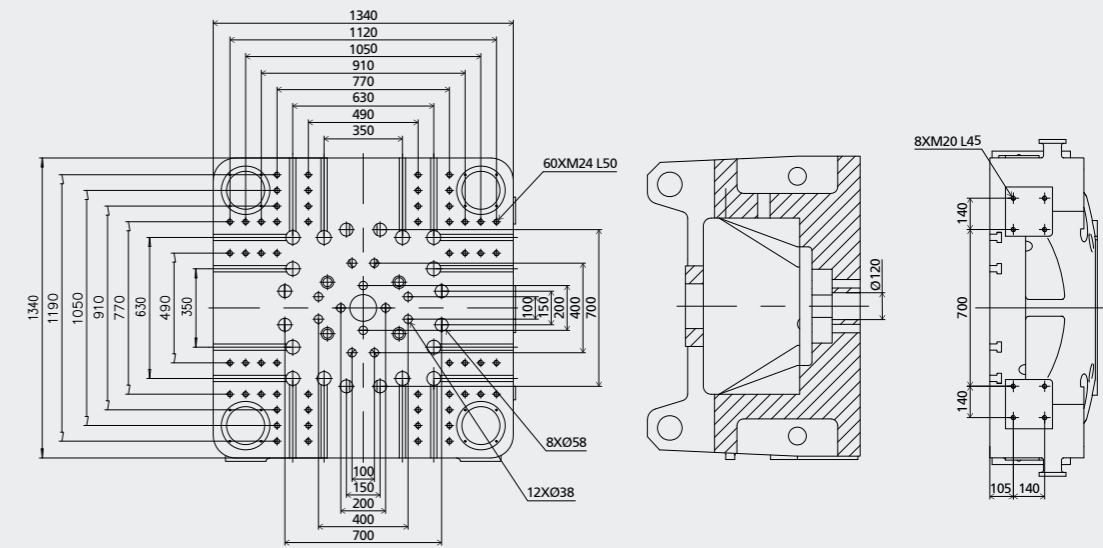
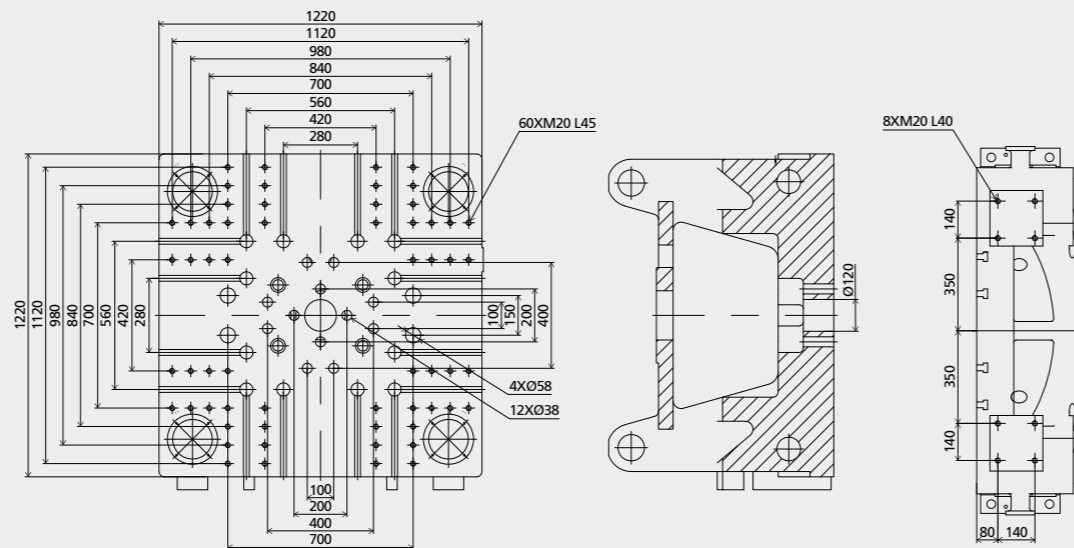
# SPECIFICATION

TECHNICAL DATA  
MACHINE TYPE

	MA5300/GII					MA6500/GII					
<b>CLAMPING UNIT</b>											
Clamping force	kN	5300					6500				
Mold opening force	kN	350					430				
Mold platen dimension (H×V)	mm	1220×1220					1340×1340				
Dist. between tie bars (H×V)	mm	830×800					895×895				
Mold opening stroke	mm	825					900				
Mold height max.	mm	850					900				
Mold height min.	mm	350					400				
Ejector stroke	mm	200					260				
Ejector force	kN	158					186				
Minimum mold dimension (L×W)	mm	580×560					630×630				
<b>INJECTION UNIT</b>											
Screw diameter	mm	80	85	90	100	80	90	100	110		
Screw L/D ratio	L/D	22	20.7	19.6	17.5	24.8	22	19.8	18		
Injection volume (theoretical)	cm <sup>3</sup>	2211	2496	2799	3455	2211	2799	3455	4181		
Injection weight (PS)	g	2012	2272	2547	3144	2012	2547	3144	3805		
Injection stroke	mm	440					440				
Injection rate (PS)	g/s	454	513	575	710	427	540	667	808		
Injection pressure	MPa	199	176	157	127	226	178	144	119		
Plasticizing rate (GPPS) ①	g/s	64.7	71.6	81.4	99.4	75.7	95	117	137		
Plasticizing rate (HDPE) ②	g/s	94	104	118	145	112	142	175	206		
Screw speed	rpm	0-145					0-131				
Nozzle stroke	mm	800					800				
Nozzle force	kN	98.9					98.9				
<b>OTHERS</b>											
Pump motor power	kW	70					85				
Heater power	kW	40.7					49.7				
Machine dimension (L×W×H)	m	9.63×2.07×2.68					10.48×2.20×2.73				
Machine weight	t	23.2					30.4				
Oil tank	l	750					880				

## Platen dimensions

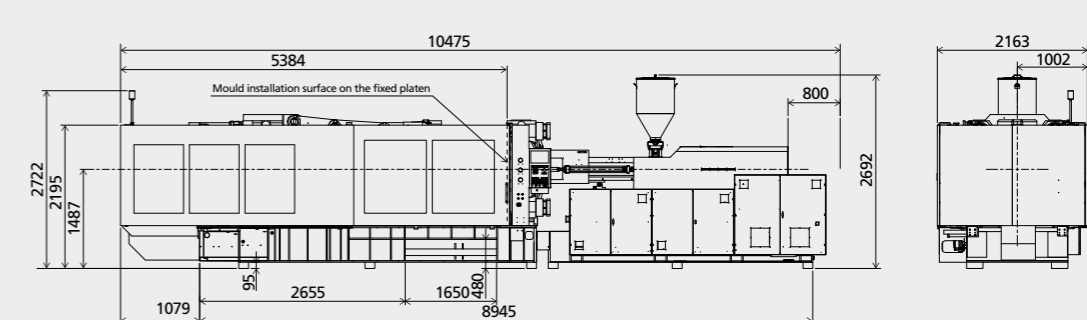
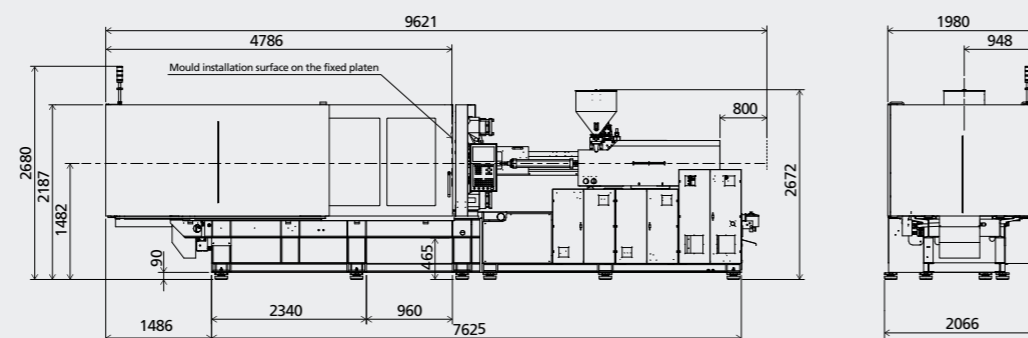
Moving and fixed platen with the same layout.  
The ejector holes Ø is valid only for moving platen.



## Machine dimensions

- ① Plasticizing capacity (GPPS): China standard GB/22530-2008, 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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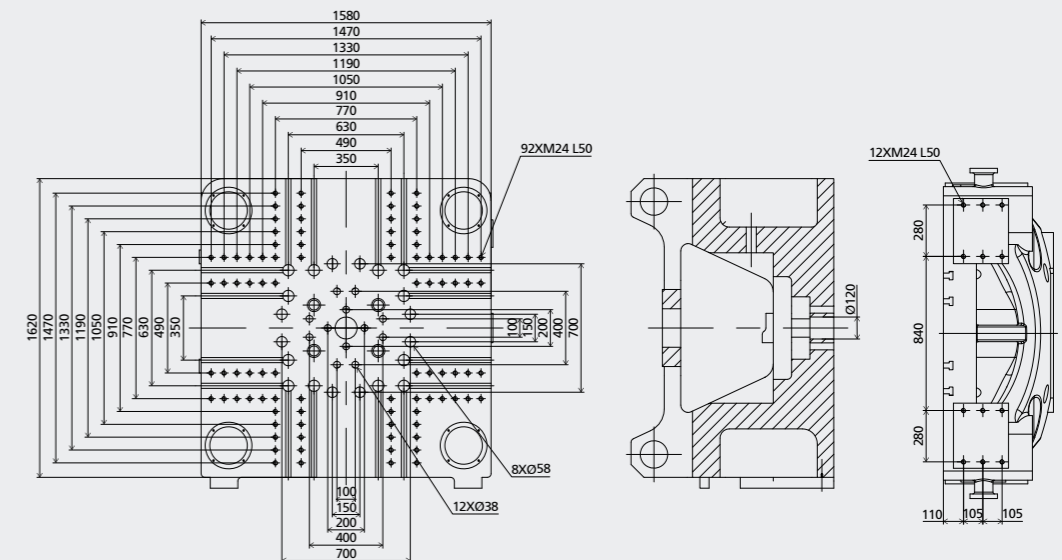
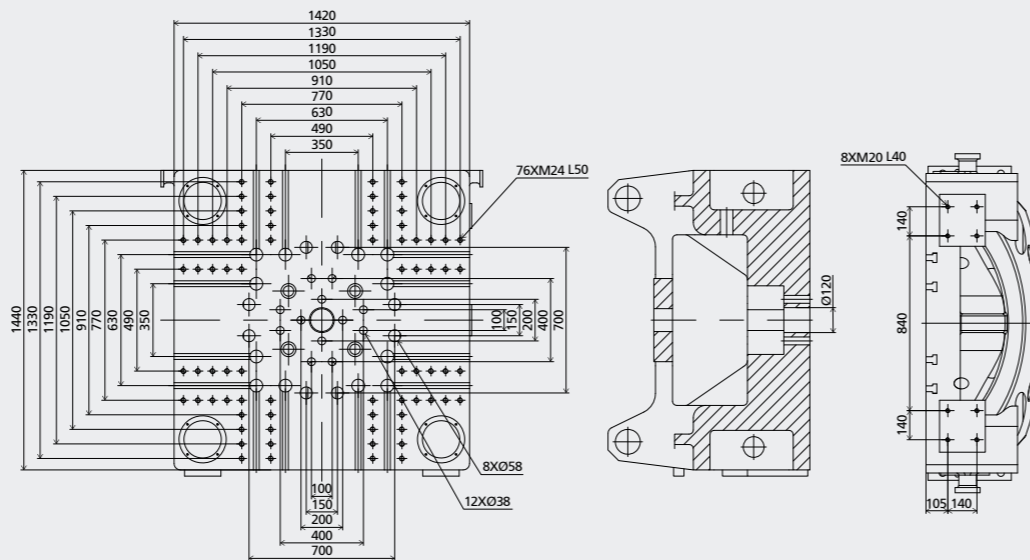
# SPECIFICATION

TECHNICAL DATA  
MACHINE TYPE

	MA7800/GII					MA10000/GII				
<b>CLAMPING UNIT</b>										
Clamping force	kN	7800					10000			
Mold opening force	kN	520					660			
Mold platen dimension (H×V)	mm	1420×1440					1580×1620			
Dist. between tie bars (H×V)	mm	980×980					1090×1090			
Mold opening stroke	mm	980					1120			
Mold height max.	mm	980					1100			
Mold height min.	mm	400					500			
Ejector stroke	mm	260					320			
Ejector force	kN	186					215			
Minimum mold dimension (L×W)	mm	690×690					760×760			
<b>INJECTION UNIT</b>										
Screw diameter	mm	90	100	110	120	100	110	120	130	
Screw L/D ratio	L/D	24.4	22	20	18.3	24.2	22	20.2	18.6	
Injection volume (theoretical)	cm <sup>3</sup>	2799	3455	4181	4976	3769	4561	5428	6371	
Injection weight (PS)	g	2547	3144	3805	4528	3430	4151	4940	5797	
Injection stroke	mm	440					480			
Injection rate (PS)	g/s	567	700	847	1008	653	790	940	1104	
Injection pressure	MPa	224	182	150	126	217	179	151	128	
Plasticizing rate (GPPS) ①	g/s	89.5	110	130	152	104	125	145	167	
Plasticizing rate (HDPE) ②	g/s	132	162	193	224	152	182	207	239	
Screw speed	rpm	0-136					0-108			
Nozzle stroke	mm	800					880			
Nozzle force	kN	98.9					98.9			
<b>OTHERS</b>										
Pump motor power	kW	30+70					37+70			
Heater power	kW	72.25					73.85			
Machine dimension (L×W×H)	m	11.32×2.28×2.73					12.25×2.42×2.86			
Machine weight	t	36.3					47.8			
Oil tank	l	1000					1150			

## 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/22530-2008, 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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