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VENUS

SPECIFICATION | INTERNATIONAL

400 – 5,500 kN

ZF 2019112I-IV

TECHNICAL DATA VE400 III

			VE400 III				
CLAMPING UNIT	Clamping force	kN	400				
	Mold opening stroke	mm	235				
	Mold height min.	mm	150				
	Mold height max.	mm	320				
	Max. daylight	mm	555				
	Dist. between tie bars (H×V)	mm	320×320				
	Min. mold dimension	mm	205×205				
	Ejector stroke	mm	60				
	Ejector force	kN	9.8				
	Size of mold platen (H×V)	mm	460×460				
			A	B	A	B	C
INJECTION UNIT	Screw diameter	mm	16	19	19	22	26
	Screw L/D ratio	L/D	21	20	20	20	17
	Injection volume (theoretical) [1]	cm^3	12	17	21	36	50
	Injection weight (PS) [2]	g	10.9	15.4	19.1	32.8	45.5
	Injection pressure[3]	MPa	280	260	260	220	157
		bar	2800	2600	2600	2200	1570
	Holding pressure[3]	MPa	234	198	208	175	125
		bar	2340	1980	2080	1750	1250
	Screw speed	rpm	400			400	
	Plasticizing rate (PS) [4]	g/s	2.5	3.8	3.8	6.0	8.8
	Nozzle contact force	kN	9.8			9.8	
	Heating power	kW	4.3	4.6	4.4	5.6	5.6
	INJECTION UNIT		**50**			**80**	
	Injection speed	mm/s	200			200	
	Injection rate (PS)	g/s	35	49	49	66	92
	INJECTION UNIT		**50h**			**80h**	
	Injection speed	mm/s	350			350	
	Injection rate (PS)	g/s	61	86	86	116	162
	INJECTION UNIT		**50hs**			**80hs**	
	Injection speed	mm/s	500			500	
	Injection rate (PS)	g/s	87	123	123	166	231
OTHERS	Connection power	kW/A	50:10/16 50h:10/16 50hs:12/20			80:10/17 80h:12/21 80hs:12/21	
	Hopper capacity (OP)	l	15			15	
	Machine dimension	m	3.6×1.3×1.9			3.6×1.3×1.9	
	Machine weight	t	2.5			2.5	

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

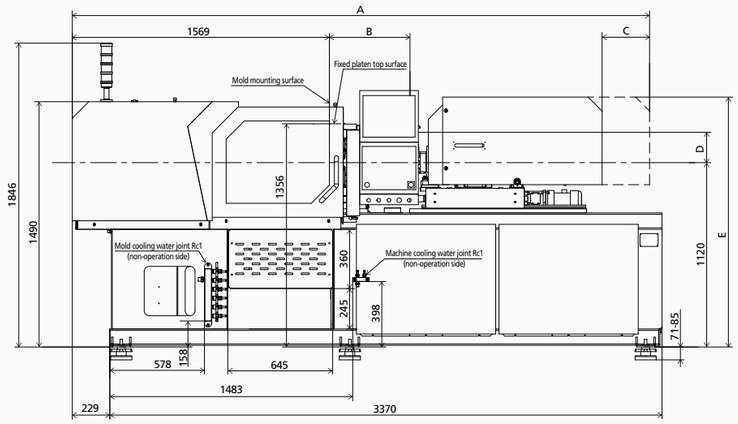
[2] Shot weight (PS) is the theoretical value of shot volume melt density of PS.It is not a measured value.

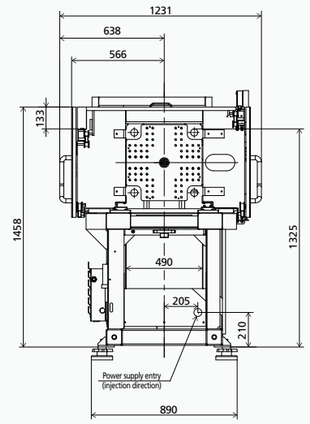
[3] Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

[4] Plasticizing capacity(PS) is based on standard screw configuration.

This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

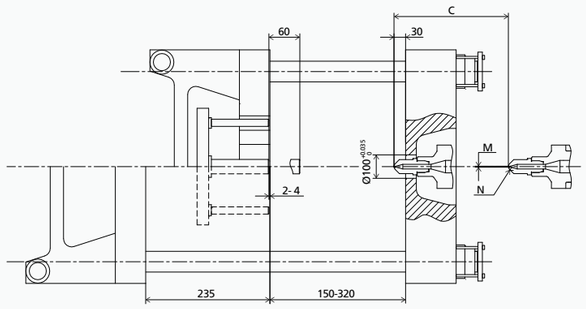
MACHINE DIMENSIONS

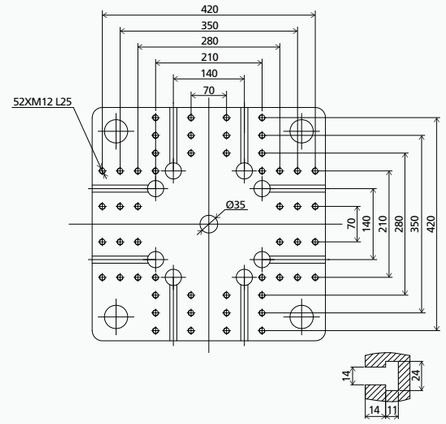




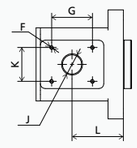
	A	B	C	D	E	F	G	H	J	K	L	M	N
50hs,50h,50	3612	438	290	199	1518	4×M8 L16	85	110	Ø35	70	59	Ø2	SR10
80hs,80h,80	3523	492	290	184	1518	4×M8 L16	85	95	Ø35	70	97	Ø2.2	SR10

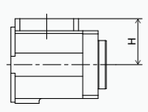
PLATEN DIMENSIONS

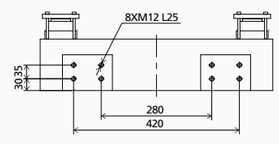




OTHERS DIMENSIONS







TECHNICAL DATA VE600 III

			VE600 III					
CLAMPING UNIT	Clamping force	kN	600					
	Mold opening stroke	mm	270					
	Mold height min.	mm	150					
	Mold height max.	mm	370					
	Max. daylight	mm	640					
	Dist. between tie bars (H×V)	mm	370×370					
	Min. mold dimension	mm	240×240					
	Ejector stroke	mm	80					
	Ejector force	kN	19.6					
	Size of mold platen (H×V)	mm	545×545					
			A	B	C	A	B	C
INJECTION UNIT	Screw diameter	mm	19	22	26	22	26	30
	Screw L/D ratio	L/D	20	20	17	20	20	17.4
	Injection volume (theoretical) [1]	cm^3	21	36	50	36	58	77
	Injection weight (PS) [2]	g	19.1	32.8	45.5	32.8	52	70
	Injection pressure[3]	MPa	260	220	157	280	220	165
		bar	2600	2200	1570	2800	2200	1650
	Holding pressure[3]	MPa	208	175	125	220	160	120
		bar	2080	1750	1250	2200	1600	1200
	Screw speed	rpm		400			400	
	Plasticizing rate (PS) [4]	g/s	3.8	6.0	8.8	6.0	8.8	13
	Nozzle contact force	kN		14.7			14.7	
	Heating power	kW	4.4	5.6	5.6	6.0	7.8	7.8
	INJECTION UNIT			**80**			**120**	
	Injection speed	mm/s		200			200	
	Injection rate (PS)	g/s	49	66	92	66	92	123
	INJECTION UNIT			**80h**			**120h**	
	Injection speed	mm/s		350			350	
	Injection rate (PS)	g/s	86	116	162	116	162	216
	INJECTION UNIT			**80hs**			**120hs**	
	Injection speed	mm/s		500			500	
	Injection rate (PS)	g/s	123	166	231	166	231	308
OTHERS	Connection power	kW/A		80:10/17 80h:12/21 80hs:12/21			120:14/23 120h:16/27 120hs:16/27	
	Hopper capacity (OP)	l		15			15	
	Machine dimension	m		3.8×1.3×2.0			3.9×1.3×2.0	
	Machine weight	t		2.8			3.3	

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

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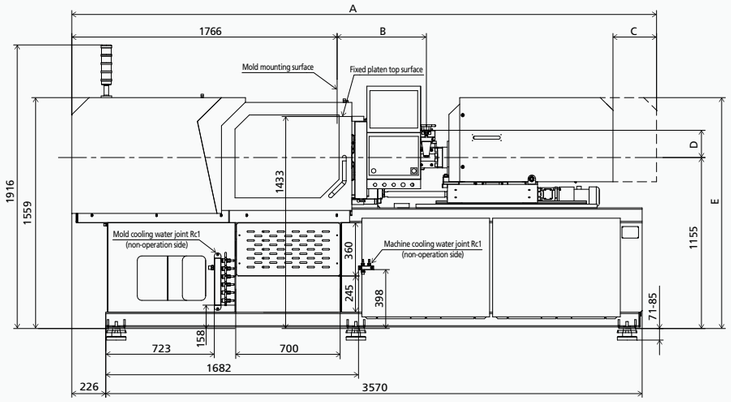
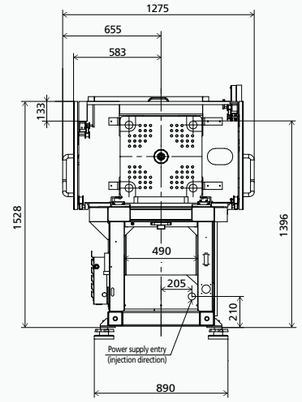
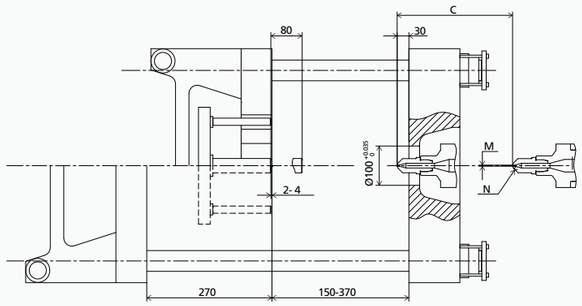
MACHINE DIMENSIONS

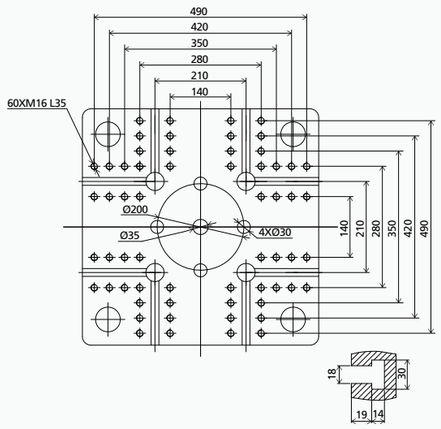




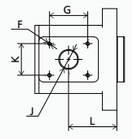
	A	B	C	D	E	F	G	H	J	K	L	M	N
80hs,80h,80	3899	491	290	184	1553	4×M8 L16	85	95	Ø35	70	97	Ø2.2	SR10
120hs,120h,120	4071	593	290	184	1559	4×M8 L16	85	95	Ø40	70	107	Ø2.5	SR10

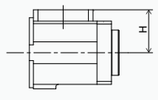
PLATEN DIMENSIONS

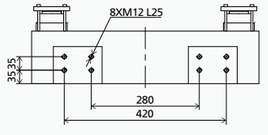




OTHERS DIMENSIONS







TECHNICAL DATA VE900 III

			VE900 III									
CLAMPING UNIT	Clamping force	kN	900									
	Mold opening stroke	mm	320									
	Mold height min.	mm	150									
	Mold height max.	mm	410									
	Max. daylight	mm	730									
	Dist. between tie bars (H×V)	mm	420×420									
	Min. mold dimension	mm	270×270									
	Ejector stroke	mm	80									
	Ejector force	kN	19.6									
	Size of mold platen (H×V)	mm	615×615									
			A	B	C	A	B	C	AA	A	B	C
INJECTION UNIT	Screw diameter	mm	22	26	30	26	28	30	26	28	32	36
	Screw L/D ratio	L/D	20	20	17.4	21	21	19.6	21	21	21	18.6
	Injection volume (theoretical) [1]	cm^3	36	58	77	58	67	77	61	70	100	127
	Injection weight (PS) [2]	g	32.8	52	70	52	61	70	55	64	91	115
	Injection pressure[3]	MPa	280	220	165	260	220	192	280	260	200	160
		bar	2800	2200	1650	2600	2200	1920	2800	2600	2000	1600
	Holding pressure[3]	MPa	220	160	120	160	138	120	224	206	160	126
		bar	2200	1600	1200	1600	1380	1200	2240	2060	1600	1260
	Screw speed	rpm		400			400			400		
	Plasticizing rate (PS) [4]	g/s	6.0	8.8	13	8.8	11	13	8.8	11	16	22
	Nozzle contact force	kN		19.6			19.6			19.6		
	Heating power	kW	6.0	7.8	7.8	7.4	7.4	7.4	6.9	7.8	9.2	9.2
	INJECTION UNIT			**120**			**160**			**210**		
	Injection speed	mm/s		200			200			200		
	Injection rate (PS)	g/s	66	92	123	92	107	123	92	107	140	177
	INJECTION UNIT			**120h**			**160h**			**210h**		
	Injection speed	mm/s		350			350			350		
	Injection rate (PS)	g/s	116	162	216	162	188	216	162	188	245	311
	INJECTION UNIT			**120hs**			**160hs**			**210hs**		
	Injection speed	mm/s		500			500			500		
	Injection rate (PS)	g/s	166	231	308	231	268	308	231	268	351	444
OTHERS	Connection power	kW/A	120:14/23 120h:16/27 120hs:16/27			160:13/22 160h:16/27 160hs:18/31			210:14/24 210h:19/32 210hs:22/36			
	Hopper capacity (OP)	l	15			15			25			
	Machine dimension	m	4.2×1.4×2.1			4.4×1.4×2.1			4.4×1.4×2.1			
	Machine weight	t	4			4			4.1			

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

[2] Shot weight (PS) is the theoretical value of shot volume melt density of PS.It is not a measured value.

[3] Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

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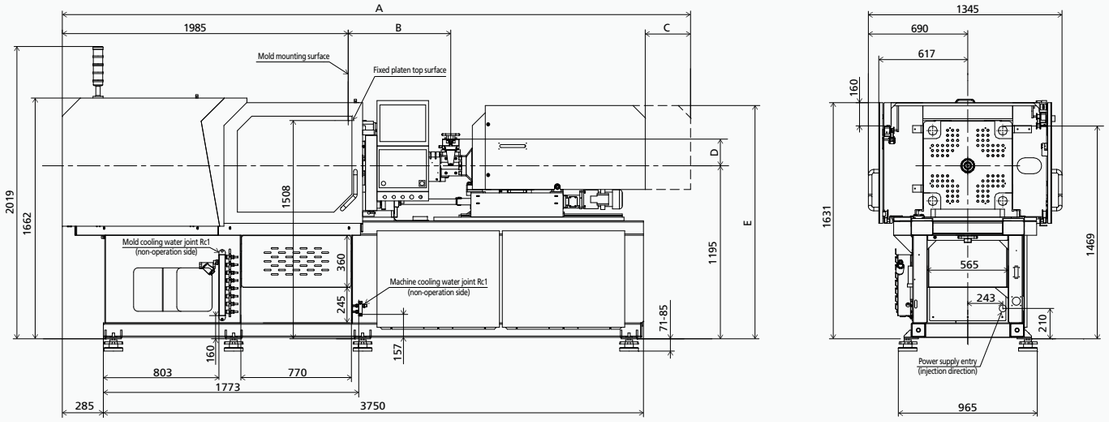
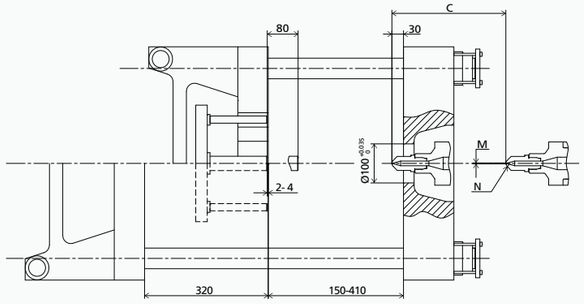
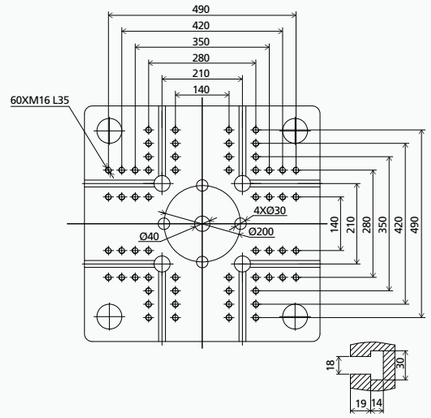
MACHINE DIMENSIONS



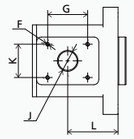
	A	B	C	D	E	F	G	H	J	K	L	M	N
120hs,120h,120	4139	597	315	184	1600	4×M8 L16	85	95	Ø40	70	107	Ø2.5	SR10
160hs,160h,160	4344	713	315	184	1611	4×M8 L16	85	95	Ø40	70	88	Ø2.5	SR10
210hs,210h,210	4363	713	315	184	1611	4×M8 L16	85	95	Ø40	70	107	Ø2.5	SR10

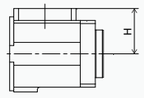
PLATEN DIMENSIONS

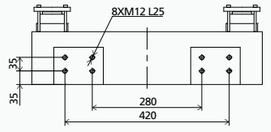




OTHERS DIMENSIONS







TECHNICAL DATA VE1200 III

			VE1200 III													
CLAMPING UNIT	Clamping force	kN	1200													
	Mold opening stroke	mm	360													
	Mold height min.	mm	150													
	Mold height max.	mm	480													
	Max. daylight	mm	840													
	Dist. between tie bars (H×V)	mm	470×470													
	Min. mold dimension	mm	305×305													
	Ejector stroke	mm	100													
	Ejector force	kN	29.4													
	Size of mold platen (H×V)	mm	690×690													
			A	B	C	AA	A	B	C	AA	A	B	C	A	B	C
INJECTION UNIT	Screw diameter	mm	26	28	30	26	28	32	36	30	32	36	40	36	40	45
	Screw L/D ratio	L/D	21	21	19.6	21	21	21	18.6	21	22.5	20	18	23.3	21	18.7
	Injection volume (theoretical) [1]	cm^3	58	67	77	61	70	100	127	102	116	147	182	173	213	270
	Injection weight (PS) [2]	g	52	61	70	55	64	91	115	92	106	134	165	157	194	246
	Injection pressure[3]	MPa	260	220	192	280	260	200	160	280	253	200	162	247	200	158
		bar	2600	2200	1920	2800	2600	2000	1600	2800	2530	2000	1620	2470	2000	1580
	Holding pressure[3]	MPa	160	138	120	224	206	160	126	224	202	160	130	197	160	126
		bar	1600	1380	1200	2240	2060	1600	1260	2240	2020	1600	1300	1970	1600	1260
	Screw speed	rpm	400			400				400				400		
	Plasticizing rate (PS) [4]	g/s	8.8	11	13	8.8	11	16	22	12.8	16	22	30	22	30	42
	Nozzle contact force	kN	24.5			24.5				24.5				24.5		
	Heating power	kW	7.4	7.4	7.4	6.9	7.8	9.2	9.2	10.4	11.8	11.8	11.8	13.4		
	INJECTION UNIT		**160**			**210**				**300**				**430(OP)**		
	Injection speed	mm/s	200			200				200				200		
	Injection rate (PS)	g/s	92	107	123	92	107	140	177	123	140	177	219	177	219	277
	INJECTION UNIT		**160h**			**210h**				**300h**				**430h(OP)**		
	Injection speed	mm/s	350			350				300				300		
	Injection rate (PS)	g/s	162	188	216	162	188	245	311	185	210	266	329	266	329	416
	INJECTION UNIT		**160hs**			**210hs**				**300hs**				**430hs(OP)**		
	Injection speed	mm/s	500			500				400				400		
	Injection rate (PS)	g/s	231	268	308	231	268	351	444	247	281	355	439	355	439	555
OTHERS	Connection power	kW/A	160:13/22 160h:16/27 160hs:18/31			210:14/24 210h:19/32 210hs:22/36				300:18/30 300h:23/38 300hs:23/38				430:27/46 430h:27/46 430hs:27/46		
	Hopper capacity (OP)	l	15			25				25				25		
	Machine dimension	m	4.6×1.5×2.2			4.6×1.5×2.2				4.9×1.5×2.2				5.4×1.5×2.2		
	Machine weight	t	5			5.1				5.4				5.6		

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

[2] Shot weight (PS) is the theoretical value of shot volume melt density of PS.It is not a measured value.

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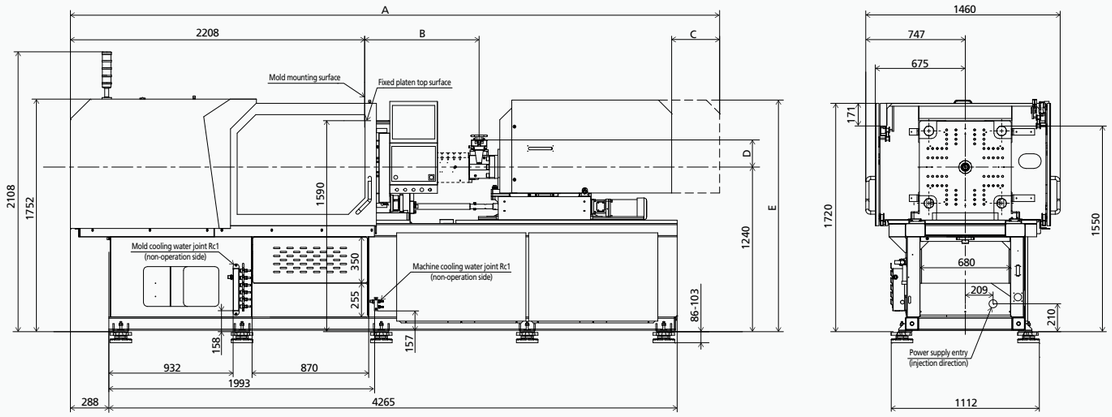
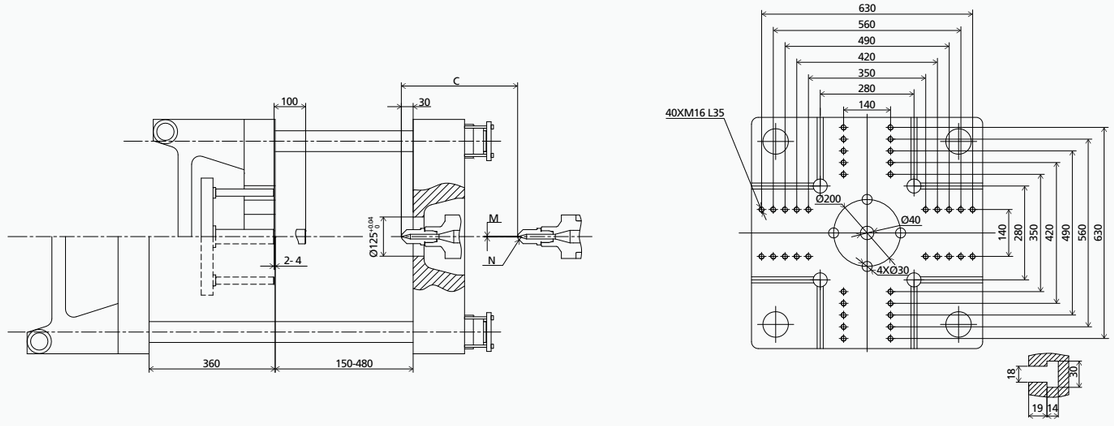
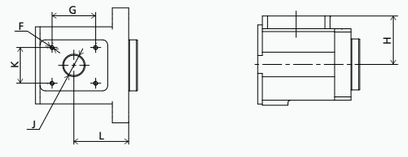


	A	B	C	D	E	F	G	H	J	K	L	M	N
160hs,160h,160	4546	692	315	184	1656	4×M8 L16	85	95	Ø40	70	88	Ø2.5	SR10
210hs,210h,210	4586	713	315	184	1656	4×M8 L16	85	95	Ø40	70	107	Ø2.5	SR10
300hs,300h,300	4873	860	360	205	1745	4×M8 L16	85	120	Ø45	70	117	Ø2.5	SR10
430hs,430h,430	5359	1009	360	224	1764	4×M8 L16	85	135	Ø50	70	99	Ø3	SR10

PLATEN DIMENSIONS



OTHERS DIMENSIONS



TECHNICAL DATA VE1500 III

			VE1500 III
CLAMPING UNIT	Clamping force	kN	1500
	Mold opening stroke	mm	420
	Mold height min.	mm	180
	Mold height max.	mm	520
	Max. daylight	mm	940
	Dist. between tie bars (H×V)	mm	520×520
	Min. mold dimension	mm	335×335
	Ejector stroke	mm	120
	Ejector force	kN	34.3
	Size of mold platen (H×V)	mm	770×770

			AA	A	B	C	AA	A	B	C	A	B	C	A	B	C
INJECTION UNIT	Screw diameter	mm	26	28	32	36	30	32	36	40	36	40	45	40	45	50
	Screw L/D ratio	L/D	21	21	21	18.6	21	22.5	20	18	23.3	21	18.7	22.5	20	18
	Injection volume (theoretical) [1]	cm^3	61	70	100	127	102	116	147	182	173	213	270	252	319	394
	Injection weight (PS) [2]	g	55	64	91	115	92	106	134	165	157	194	246	229	290	358
	Injection pressure[3]	MPa	280	260	200	160	280	253	200	162	247	200	158	253	200	162
		bar	2800	2600	2000	1600	2800	2530	2000	1620	2470	2000	1580	2530	2000	1620
	Holding pressure[3]	MPa	224	206	160	126	224	202	160	130	197	160	126	202	160	130
		bar	2240	2060	1600	1260	2240	2020	1600	1300	1970	1600	1260	2020	1600	1300
	Screw speed	rpm	400				400				400			350		
	Plasticizing rate (PS) [4]	g/s	8.8	11	16	22	12.8	16	22	30	22	30	42	27	39	50
	Nozzle contact force	kN	19.6				29.4				29.4			29.4		
	Heating power	kW	6.9	7.8	9.2	9.2	10.4	11.8	11.8	11.8	13.4			14.8		
	INJECTION UNIT		**210**				**300**				**430**			**640(OP)**		
	Injection speed	mm/s	200				200				200			160		
	Injection rate (PS)	g/s	92	107	140	177	123	140	177	219	177	219	277	175	222	274
	INJECTION UNIT		**210h**				**300h**				**430h**			**640h(OP)**		
	Injection speed	mm/s	350				300				300			250		
	Injection rate (PS)	g/s	162	188	245	311	185	210	266	329	266	329	416	274	347	428
	INJECTION UNIT		**210hs**				**300hs**				**430hs**			**640hs(OP)**		
	Injection speed	mm/s	500				400				400			350		
	Injection rate (PS)	g/s	231	268	351	444	247	281	355	439	355	439	555	384	486	600
OTHERS	Connection power	kW/A	210:14/24 210h:19/32 210hs:22/36				300:18/30 300h:23/38 300hs:23/38				430:27/46 430h:27/46 430hs:27/46			640:28/47 640h:28/47 640hs:33/56		
	Hopper capacity (OP)	l	25				25				25			25		
	Machine dimension	m	5.0×1.5×2.2				5.2×1.5×2.2				5.7×1.5×2.2			5.8×1.5×2.2		
	Machine weight	t	6.3				6.7				7.1			7.1		

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

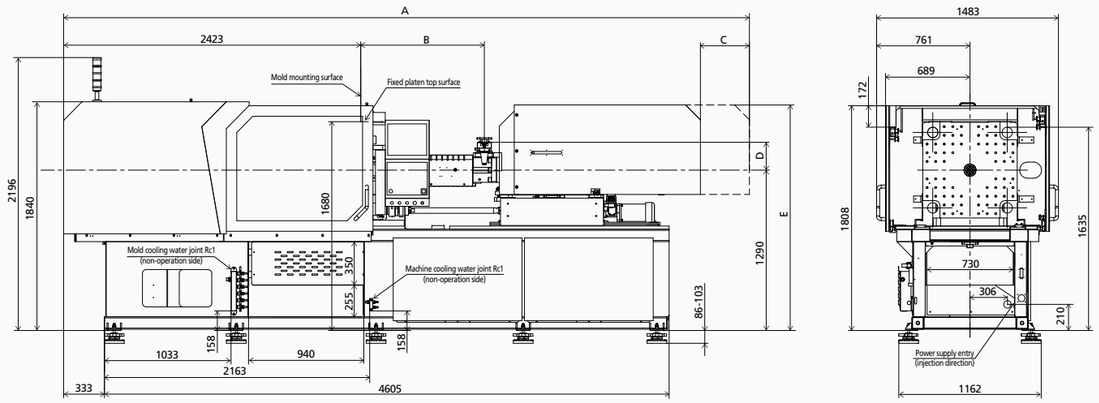
[2] Shot weight (PS) is the theoretical value of shot volume melt density of PS.It is not a measured value.

[3] Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

[4] Plasticizing capacity(PS) is based on standard screw configuration.

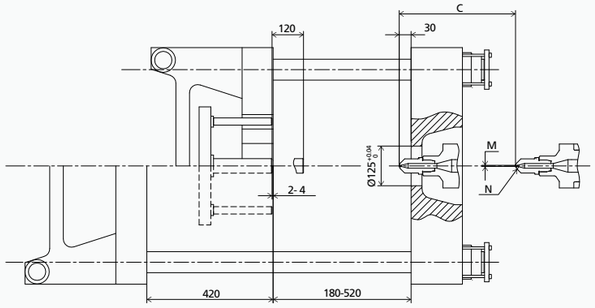
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

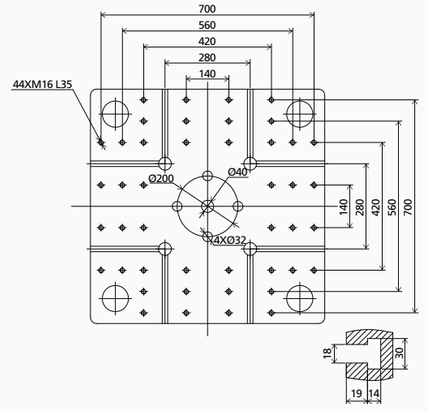
MACHINE DIMENSIONS



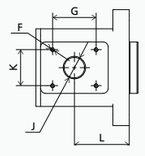
	A	B	C	D	E	F	G	H	J	K	L	M	N
210hs,210h,210	4885	712	400	184	1706	4×M8 L16	85	95	Ø40	70	107	Ø2.5	SR10
300hs,300h,300	5128	860	400	204	1795	4×M8 L16	85	120	Ø45	70	117	Ø2.5	SR10
430hs,430h,430	5613	1008	400	222	1815	4×M8 L16	85	135	Ø50	70	99	Ø3	SR10
640hs,640h,640	5713	1069	400	214	1815	4×M8 L16	85	125	Ø50	70	138	Ø3	SR10

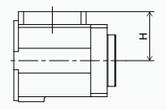
PLATEN DIMENSIONS

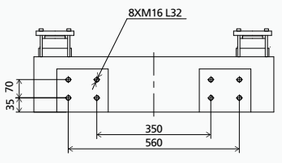




OTHERS DIMENSIONS







TECHNICAL DATA VE1900 III

			VE1900 III												
CLAMPING UNIT	Clamping force	kN	1900												
	Mold opening stroke	mm	470												
	Mold height min.	mm	200												
	Mold height max.	mm	550												
	Max. daylight	mm	1020												
	Dist. between tie bars (H×V)	mm	570×570												
	Min. mold dimension	mm	370×370												
	Ejector stroke	mm	150												
	Ejector force	kN	44.1												
	Size of mold platen (H×V)	mm	840×840												
INJECTION UNIT			AA	A	B	C	A	B	C	A	B	C	A	B	C
	Screw diameter	mm	30	32	36	40	36	40	45	40	45	50	45	50	55
	Screw L/D ratio	L/D	21	22.5	20	18	23.3	21	18.7	22.5	20	18	22.2	20	18
	Injection volume (theoretical) [1]	cm^3	102	116	147	182	173	213	270	252	319	394	333	412	498
	Injection weight (PS) [2]	g	92	106	134	165	157	194	246	229	290	358	304	375	454
	Injection pressure[3]	MPa	280	253	200	162	247	200	158	253	200	162	247	200	165
		bar	2800	2530	2000	1620	2470	2000	1580	2530	2000	1620	2470	2000	1650
	Holding pressure[3]	MPa	224	202	160	130	197	160	126	202	160	130	197	160	132
		bar	2240	2020	1600	1300	1970	1600	1260	2020	1600	1300	1970	1600	1320
	Screw speed	rpm	400				400			350			320		
	Plasticizing rate (PS) [4]	g/s	12.8	16	22	30	22	30	42	27	39	50	35	46	60
	Nozzle contact force	kN	24.5				39.2			39.2			39.2		
	Heating power	kW	10.4	11.8	11.8	11.8	13.4			14.8			20.2		
	INJECTION UNIT		**300**				**430**			**640**			**830(OP)**		
	Injection speed	mm/s	200				200			160			160		
	Injection rate (PS)	g/s	123	140	177	219	177	219	277	175	222	274	222	274	332
	INJECTION UNIT		**300h**				**430h**			**640h**			**830h(OP)**		
	Injection speed	mm/s	300				300			250			250		
	Injection rate (PS)	g/s	185	210	266	329	266	329	416	274	347	428	347	428	518
	INJECTION UNIT		**300hs**				**430hs**			**640hs**			**830hs(OP)**		
	Injection speed	mm/s	400				400			350			350		
	Injection rate (PS)	g/s	247	281	355	439	355	439	555	384	486	600	486	600	726
OTHERS	Connection power	kW/A	300:18/30 300hs:23/38			300h:23/38	430:27/46 430h:27/46 430hs:27/46			640:28/47 640h:28/47 640hs:33/56			830:36/60 830h:36/60 830hs:41/69		
	Hopper capacity (OP)	l	25				25			25			50		
	Machine dimension	m	5.5×1.6×2.3				6.0×1.6×2.3			6.1×1.6×2.3			6.3×1.6×2.3		
	Machine weight	t	7.4				8.4			8.7			9.2		

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

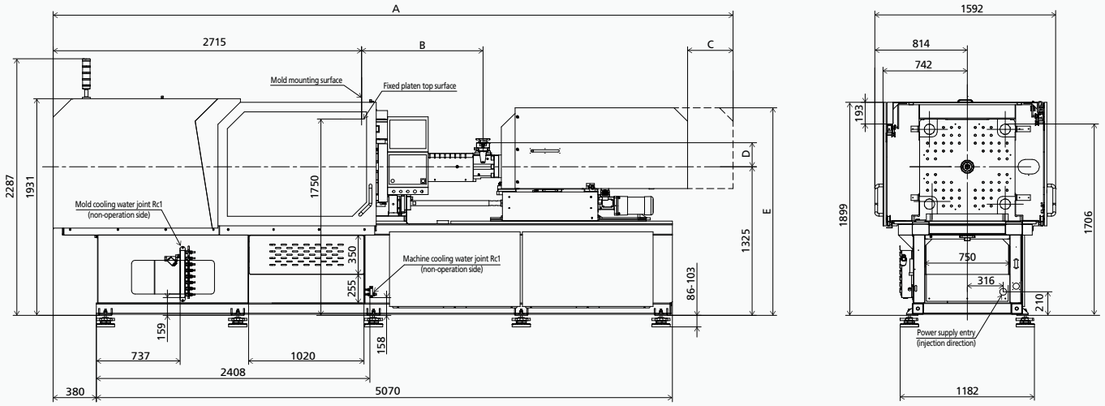
[2] Shot weight (PS) is the theoretical value of shot volume melt density of PS.It is not a measured value.

[3] Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

[4] Plasticizing capacity(PS) is based on standard screw configuration.

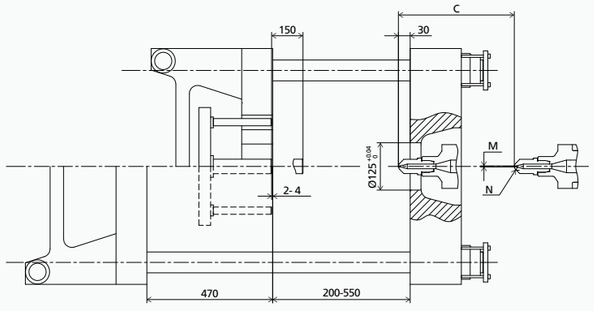
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

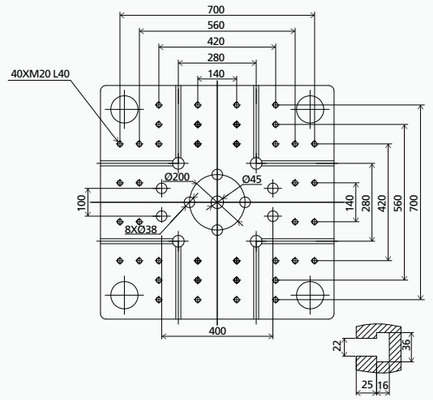
MACHINE DIMENSIONS



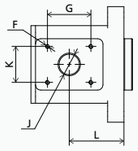
	A	B	C	D	E	F	G	H	J	K	L	M	N
300hs,300h,300	5418	858	400	206	1830	4×M8 L16	85	120	Ø45	70	117	Ø2.5	SR10
430hs,430h,430	5905	1008	400	225	1850	4×M8 L16	85	135	Ø50	70	99	Ø3	SR10
640hs,640h,640	6004	1068	400	212	1850	4×M8 L16	85	125	Ø50	70	138	Ø3	SR10
830hs,830h,830	6280	1177	400	256	2019	4×M10 L20	115	153	Ø60	115	122.5	Ø3	SR10

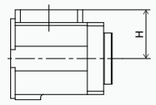
PLATEN DIMENSIONS

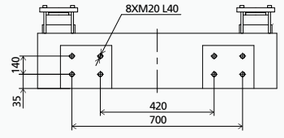




OTHERS DIMENSIONS







TECHNICAL DATA VE2300 III

			VE2300 III											
CLAMPING UNIT	Clamping force	kN	2300											
	Mold opening stroke	mm	550											
	Mold height min.	mm	220											
	Mold height max.	mm	600											
	Max. daylight	mm	1150											
	Dist. between tie bars (H×V)	mm	620×620											
	Min. mold dimension	mm	400×400											
	Ejector stroke	mm	150											
	Ejector force	kN	49											
	Size of mold platen (H×V)	mm	920×920											
INJECTION UNIT			A	B	C	A	B	C	A	B	C	A	B	C
	Screw diameter	mm	36	40	45	40	45	50	45	50	55	50	55	60
	Screw L/D ratio	L/D	23.3	21	18.7	22.5	20	18	22.2	20	18	22	20	18.3
	Injection volume (theoretical) [1]	cm^3	173	213	270	252	319	394	333	412	498	471	570	678
	Injection weight (PS) [2]	g	157	194	246	229	290	358	304	375	454	428	518	617
	Injection pressure[3]	MPa	247	200	158	253	200	162	247	200	165	218	180	151
		bar	2470	2000	1580	2530	2000	1620	2470	2000	1650	2180	1800	1510
	Holding pressure[3]	MPa	197	160	126	202	160	130	197	160	132	194	160	134
		bar	1970	1600	1260	2020	1600	1300	1970	1600	1320	1940	1600	1340
	Screw speed	rpm		400			350			320			320	
	Plasticizing rate (PS) [4]	g/s	22	30	42	27	39	50	35	46	60	52	64	75
	Nozzle contact force	kN		29.4			49			49			54	
	Heating power	kW		13.4			14.8			20.2			25	
	INJECTION UNIT			**430**			**640**			**830**			**1100(OP)**	
	Injection speed	mm/s		200			160			160			160	
	Injection rate (PS)	g/s	177	219	277	175	222	274	222	274	332	274	332	395
	INJECTION UNIT			**430h**			**640h**			**830h**			**1100h(OP)**	
	Injection speed	mm/s		300			250			250			250	
	Injection rate (PS)	g/s	266	329	416	274	347	428	347	428	518	428	518	617
	INJECTION UNIT			**430hs**			**640hs**			**830hs**			**1100hs(OP)**	
	Injection speed	mm/s		400			350			350			350	
	Injection rate (PS)	g/s	355	439	555	384	486	600	486	600	726	600	726	864
OTHERS	Connection power	kW/A		430:27/46 430h:27/46 430hs:27/46			640:28/47 640h:28/47 640hs:33/56			830:36/60 830h:36/60 830hs:41/69			1100:44/73 1100h:44/73 1100hs:49/82	
	Hopper capacity (OP)	l		25			25			50			50	
	Machine dimension	m		6.2×1.8×2.4			6.3×1.8×2.4			6.6×1.8×2.4			6.7×1.8×2.4	
	Machine weight	t		11.9			11.9			12.5			12.7	

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

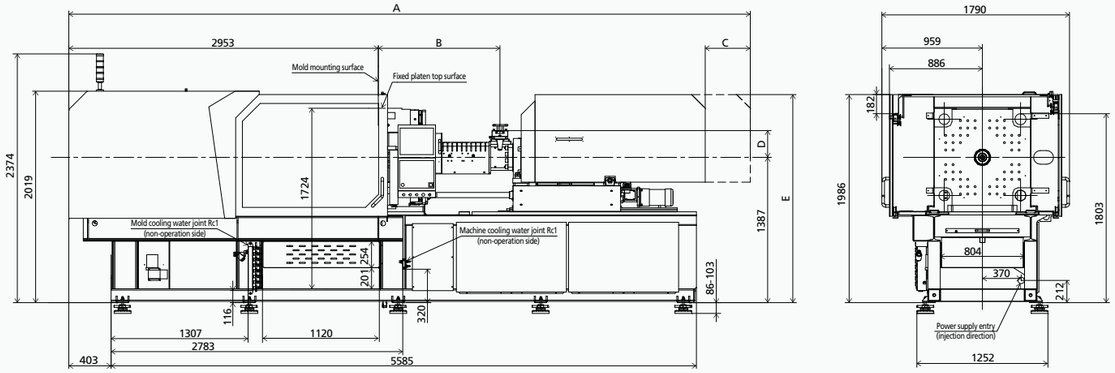
[2] Shot weight (PS) is the theoretical value of shot volume melt density of PS.It is not a measured value.

[3] Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

[4] Plasticizing capacity(PS) is based on standard screw configuration.

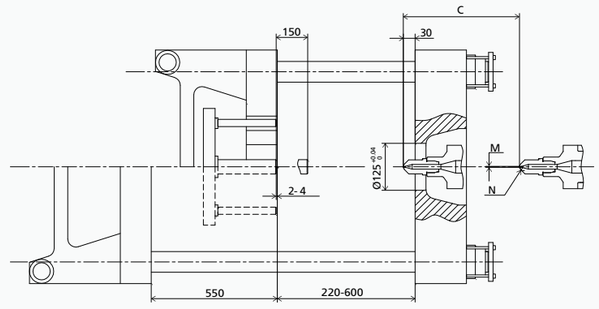
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

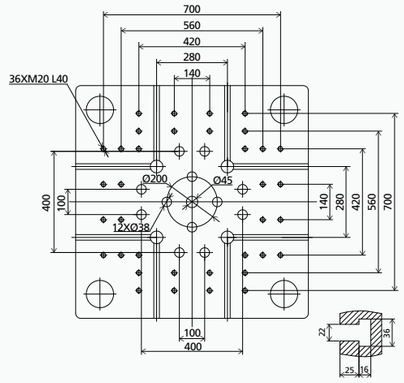
MACHINE DIMENSIONS



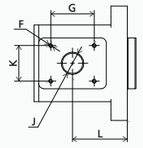
	A	B	C	D	E	F	G	H	J	K	L	M	N
430hs,430h,430	6173	1008	430	225	1912	4×M8 L16	85	135	Ø50	70	99	Ø3	SR10
640hs,640h,640	6273	1049	430	225	1912	4×M8 L16	85	125	Ø50	70	138	Ø3	SR10
830hs,830h,830	6523	1161	430	255	2080	4×M10 L20	115	153	Ø60	115	122.5	Ø3	SR10
1100hs,1100h,1100	6695	1296	430	246	2073	4×M10 L20	115	143	Ø60	115	180	Ø3	SR10

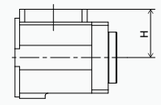
PLATEN DIMENSIONS

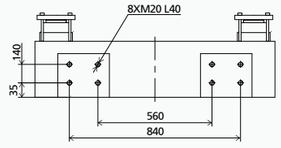




OTHERS DIMENSIONS







TECHNICAL DATA VE3000 III

			VE3000 III										
CLAMPING UNIT	Clamping force	kN	3000										
	Mold opening stroke	mm	600										
	Mold height min.	mm	280										
	Mold height max.	mm	650										
	Max. daylight	mm	1250										
	Dist. between tie bars (H×V)	mm	730×730										
	Min. mold dimension	mm	470×470										
	Ejector stroke	mm	160										
	Ejector force	kN	58.8										
	Size of mold platen (H×V)	mm	1040×1040										
			A	B	C	A	B	C	A	B	C	A	B	C
	Screw diameter	mm	45	50	55	50	55	60	55	60	65	60	65	70
	Screw L/D ratio	L/D	22.2	20	18	22	20	18.3	21.8	20	18.5	21.6	20	18.6
	Injection volume (theoretical) [1]	cm^3	333	412	498	471	570	678	617	735	862	791	929	1077
	Injection weight (PS) [2]	g	304	375	454	428	518	617	562	668	785	720	845	980
	Injection pressure[3]	MPa	247	200	165	218	180	151	214	180	153	210	180	155
		bar	2470	2000	1650	2180	1800	1510	2140	1800	1530	2100	1800	1550
	Holding pressure[3]	MPa	197	160	132	194	160	134	190	160	136	187	160	138
		bar	1970	1600	1320	1940	1600	1340	1900	1600	1360	1870	1600	1380
	Screw speed	rpm		320			320			300			250	
	Plasticizing rate (PS) [4]	g/s	35	46	60	52	64	75	54	64	71	57	68	72
	Nozzle contact force	kN		54			54			54			54	
	Heating power	kW		20.2			25			29.7			34.3	
INJECTION UNIT	**INJECTION UNIT**			**830**			**1100**			**1400**			**1700(OP)**	
	Injection speed	mm/s		160			160			160			160	
	Injection rate (PS)	g/s	222	274	332	274	332	395	332	395	463	395	463	537
	INJECTION UNIT			**830h**			**1100h**			**1400h**			**1700h(OP)**	
	Injection speed	mm/s		250			250			250			250	
	Injection rate (PS)	g/s	347	428	518	428	518	617	518	617	724	617	724	840
	INJECTION UNIT			**830hs**			**1100hs**			**1400hs**			**1700hs(OP)**	
	Injection speed	mm/s		350			350			350			350	
	Injection rate (PS)	g/s	486	600	726	600	726	864	726	864	1014	864	1014	1176
OTHERS	Connection power	kW/A	830:36/60 830h:36/60 830hs:41/69			1100:44/73 1100h:44/73 1100hs:49/82			1400:53/90 1400h:56/94 1400hs:56/94			1700:56/93 1700h:59/98 1700hs:69/116		
	Hopper capacity (OP)	l	50			50			50			50		
	Machine dimension	m	7.0×2.1×2.5			7.1×2.1×2.5			7.2×2.1×2.5			7.7×2.1×2.5		
	Machine weight	t	14.1			14.3			15.3			15.4		

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

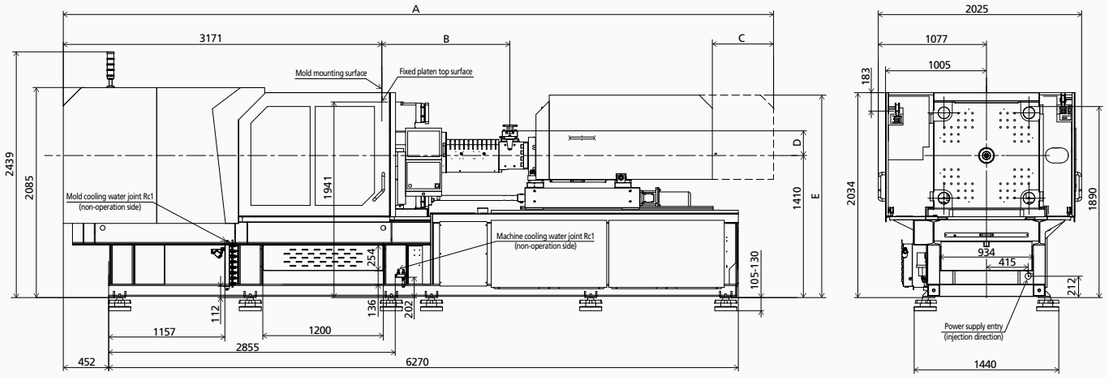
[2] Shot weight (PS) is the theoretical value of shot volume melt density of PS.It is not a measured value.

[3] Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

[4] Plasticizing capacity(PS) is based on standard screw configuration.

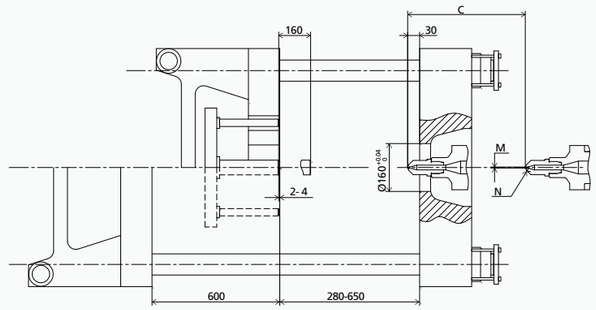
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

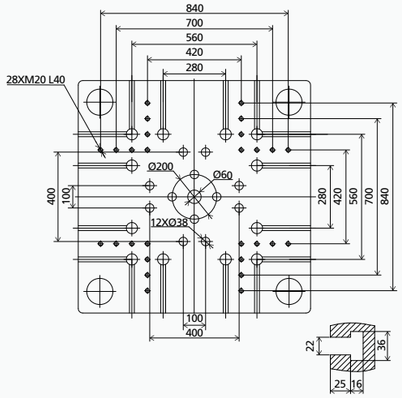
MACHINE DIMENSIONS



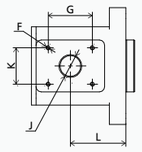
	A	B	C	D	E	F	G	H	J	K	L	M	N
830hs,830h,830	6978	1181	610	255	2009	4×M10 L20	115	153	Ø60	115	122.5	Ø3	SR10
1100hs,1100h,1100	7073	1275	610	245	2010	4×M10 L20	115	143	Ø60	115	180	Ø3	SR10
1400hs,1400h,1400	7174	1377	610	248	2115	4×M10 L20	115	149	Ø80	115	184	Ø3	SR10
1700hs,1700h,1700	7648	1522	610	250	2115	4×M10 L20	115	148	Ø80	115	217	Ø3	SR10

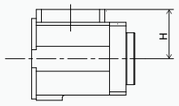
PLATEN DIMENSIONS

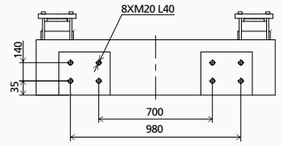




OTHERS DIMENSIONS







TECHNICAL DATA VE3600 III

			VE3600 III											
CLAMPING UNIT	Clamping force	kN	3600											
	Mold opening stroke	mm	730											
	Mold height min.	mm	320											
	Mold height max.	mm	710											
	Max. daylight	mm	1440											
	Dist. between tie bars (H×V)	mm	820×820											
	Min. mold dimension	mm	540×540											
	Ejector stroke	mm	160											
	Ejector force	kN	58.8											
	Size of mold platen (H×V)	mm	1170×1170											
			A	B	C	A	B	C	A	B	C	A	B	C
	Screw diameter	mm	50	55	60	55	60	65	60	65	70	65	70	80
	Screw L/D ratio	L/D	22	20	18.3	21.8	20	18.5	21.6	20	18.6	21.5	20	17.5
	Injection volume (theoretical) [1]	cm^3	471	570	678	617	735	862	791	929	1077	1068	1239	1618
	Injection weight (PS) [2]	g	428	518	617	562	668	785	720	845	980	972	1127	1472
	Injection pressure [3]	MPa	218	180	151	214	180	153	210	180	155	210	180	138
		bar	2180	1800	1510	2140	1800	1530	2100	1800	1550	2100	1800	1380
	Holding pressure [3]	MPa	194	160	134	190	160	136	187	160	138	190	162	124
		bar	1940	1600	1340	1900	1600	1360	1870	1600	1380	1900	1620	1240
	Screw speed	rpm	320			300			250			210		
	Plasticizing rate (PS) [4]	g/s	52	64	75	54	64	71	57	68	72	56	65	80
	Plasticizing rate (HDPE) [5]	g/s	-	-	-	-	-	-	-	-	-	80	95	120
	Nozzle contact force	kN	54			54			54			63.7		
	Heating power	kW	25			29.7			34.3			37.6		
INJECTION UNIT	**INJECTION UNIT**		**1100**			**1400**			**1700**			**2250(OP)**		
	Injection speed	mm/s	160			160			160			160		
	Injection rate (PS)	g/s	274	332	395	332	395	463	395	463	537	463	537	702
	INJECTION UNIT		**1100h**			**1400h**			**1700h**			**--**		
	Injection speed	mm/s	250			250			250			--		
	Injection rate (PS)	g/s	428	518	617	518	617	724	617	724	840	--	--	--
	INJECTION UNIT		**1100hs**			**1400hs**			**1700hs**			**--**		
	Injection speed	mm/s	350			350			350			--		
	Injection rate (PS)	g/s	600	726	864	726	864	1014	864	1014	1176	--	--	--
OTHERS	Connection power	kW/A	1100:44/73 1100h:44/73 1100hs:49/82			1400:53/90 1400h:56/94 1400hs:56/94			1700:56/93 1700h:59/98 1700hs:69/116			2250:65/109 --		
	Hopper capacity (OP)	l	50			50			50			50		
	Machine dimension	m	7.5×2.2×2.6			7.9×2.2×2.6			8.1×2.2×2.6			7.9×2.2×2.6		
	Machine weight	t	17.0			18.0			18.1			20.0		

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

[2] Shot weight (PS) is the theoretical value of shot volume melt density of PS.It is not a measured value.

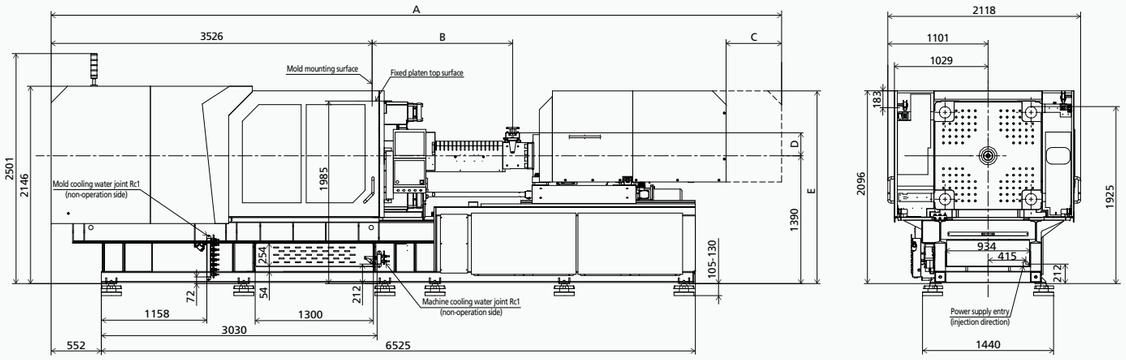
[3] Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

[4] Plasticizing capacity(PS) is based on standard screw configuration.

[5] Plasticizing capacity(HDPE) is tested according to EUROMAP 19 based on barrier screw configuration.

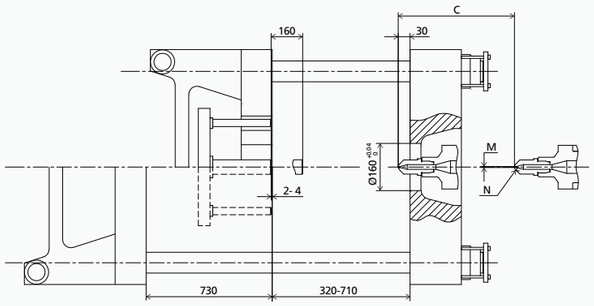
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

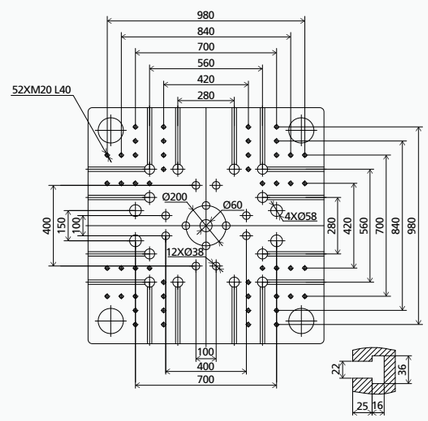
MACHINE DIMENSIONS



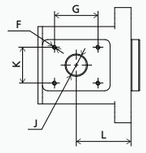
	A	B	C	D	E	F	G	H	J	K	L	M	N
1100hs,1100h,1100	7448	1296	610	245	1990	4×M10 L20	115	143	Ø60	115	180	Ø3	SR10
1400hs,1400h,1400	7824	1377	610	248	2095	4×M10 L20	115	149	Ø80	115	184	Ø3	SR10
1700hs,1700h,1700	8024	1543	610	250	2095	4×M10 L20	115	148	Ø80	115	217	Ø3	SR10

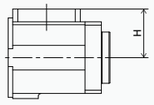
PLATEN DIMENSIONS

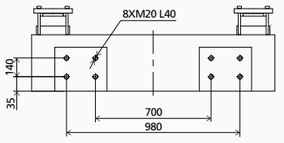




OTHERS DIMENSIONS







TECHNICAL DATA VE4500 III

			VE4500 III										
CLAMPING UNIT	Clamping force	kN	4500										
	Mold opening stroke	mm	800										
	Mold height min.	mm	350										
	Mold height max.	mm	810										
	Max. daylight	mm	1610										
	Dist. between tie bars (H×V)	mm	910×910										
	Min. mold dimension	mm	590×590										
	Ejector stroke	mm	180										
	Ejector force	kN	98										
	Size of mold platen (H×V)	mm	1300 × 1300										
			A	B	C	A	B	C	A	B	C	A	B	C
	Screw diameter	mm	55	60	65	60	65	70	65	70	80	75	80	90
	Screw L/D ratio	L/D	21.8	20	18.5	21.6	20	18.6	21.5	20	17.5	21.3	20	17.8
	Injection volume (theoretical) [1]	cm^3	617	735	862	791	929	1077	1068	1239	1618	1634	1859	2353
	Injection weight (PS) [2]	g	562	668	785	720	845	980	972	1127	1472	1487	1692	2141
	Injection pressure [3]	MPa	214	180	153	210	180	155	210	180	138	205	180	142
		bar	2140	1800	1530	2100	1800	1550	2100	1800	1380	2050	1800	1420
	Holding pressure [3]	MPa	190	160	136	187	160	138	190	162	124	185	162	128
		bar	1900	1600	1360	1870	1600	1380	1900	1620	1240	1850	1620	1280
	Screw speed	rpm	300			250			210			185		
	Plasticizing rate (PS) [4]	g/s	54	64	71	57	68	72	56	65	80	62	80	100
	Plasticizing rate (HDPE) [5]	g/s	-	-	-	-	-	-	80	95	120	93	115	150
	Nozzle contact force	kN	54			54			63.7			63.7		
	Heating power	kW	29.7			34.3			37.6			45		
INJECTION UNIT	**INJECTION UNIT**		**1400**			**1700**			**2250**			**3350**		
	Injection speed	mm/s	160			160			160			160		
	Injection rate (PS)	g/s	332	395	463	395	463	537	463	537	702	617	702	889
	INJECTION UNIT		**1400h**			**1700h**			**-**			**-**		
	Injection speed	mm/s	250			250			-			-		
	Injection rate (PS)	g/s	518	617	724	617	724	840	-	-	-	-	-	-
	INJECTION UNIT		**1400hs**			**1700hs**			**-**			**-**		
	Injection speed	mm/s	350			350			-			-		
	Injection rate (PS)	g/s	726	864	1014	864	1014	1176	-	-	-	-	-	-
OTHERS	Connection power	kW/A	1400:53/90 1400h:56/94 1400hs:56/94			1700:56/93 1700h:59/98 1700hs:69/116			65/109			85/143		
	Hopper capacity (OP)	l	50			50			50			100		
	Machine dimension	m	8.3×2.3×2.6			8.5×2.3×2.6			8.3×2.3×2.6			8.5×2.3×2.6		
	Machine weight	t	25.8			25.9			26.4			28.1		

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

[2] Shot weight (PS) is the theoretical value of shot volume melt density of PS.It is not a measured value.

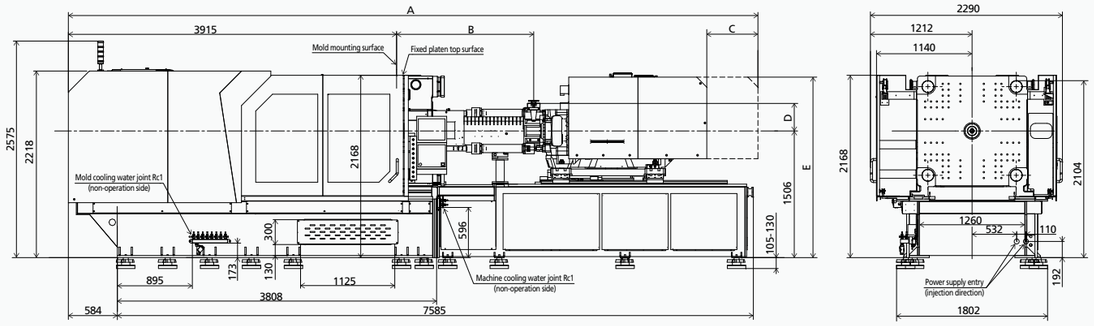
[3] Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

[4] Plasticizing capacity(PS) is based on standard screw configuration.

[5] Plasticizing capacity(HDPE) is tested according to EUROMAP 19 based on barrier screw configuration.

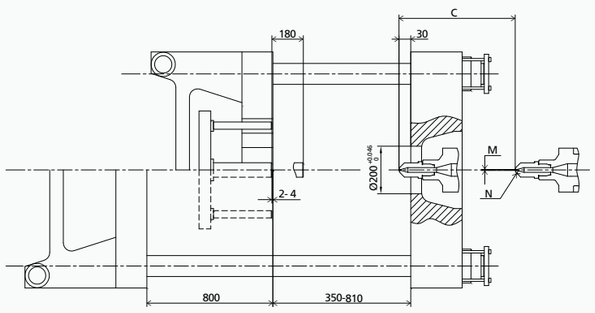
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

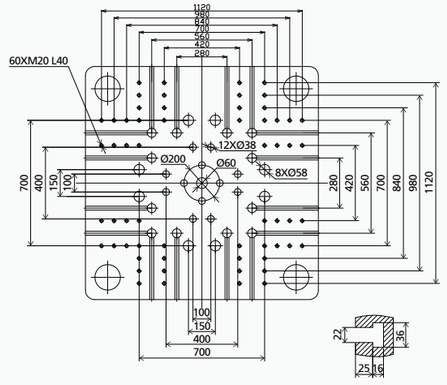
MACHINE DIMENSIONS



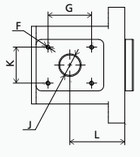
	A	B	C	D	E	F	G	H	J	K	L	M	N
1400hs,1400h,1400	8214	1377	610	248	2211	4×M10 L20	115	149	Ø80	115	184	Ø3	SR10
1700hs,1700h,1700	8412	1542	610	248	2211	4×M10 L20	115	148	Ø80	115	217	Ø3	SR10
2250	8265	1635	610	327	2146	4×M10 L20	115	225	Ø85	115	118	Ø4	SR15
3350	8480	1840	610	344	2146	4×M12 L25	170	225	Ø100	170	128	Ø4	SR15

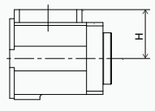
PLATEN DIMENSIONS

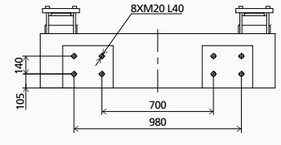




OTHERS DIMENSIONS







TECHNICAL DATA VE5500 III

			VE5500 III											
CLAMPING UNIT	Clamping force	kN	5500											
	Mold opening stroke	mm	900											
	Mold height min.	mm	400											
	Mold height max.	mm	880											
	Max. daylight	mm	1780											
	Dist. between tie bars (H×V)	mm	970×970											
	Min. mold dimension	mm	630×630											
	Ejector stroke	mm	180											
	Ejector force	kN	137.2											
	Size of mold platen (H×V)	mm	1400 × 1400											
			A	B	C	A	B	C	A	B	C	A	B	C
	Screw diameter	mm	55	60	65	60	65	70	65	70	80	75	80	90
	Screw L/D ratio	L/D	21.8	20	18.5	21.6	20	18.6	21.5	20	17.5	21.3	20	17.8
	Injection volume (theoretical) [1]	cm^3	617	735	862	791	929	1077	1068	1239	1618	1634	1859	2353
	Injection weight (PS) [2]	g	562	668	785	720	845	980	972	1127	1472	1487	1692	2141
	Injection pressure [3]	MPa	214	180	153	210	180	155	210	180	138	205	180	142
		bar	2140	1800	1530	2100	1800	1550	2100	1800	1380	2050	1800	1420
	Holding pressure [3]	MPa	190	160	136	187	160	138	190	162	124	185	162	128
		bar	1900	1600	1360	1870	1600	1380	1900	1620	1240	1850	1620	1280
	Screw speed	rpm	300			250			210			185		
	Plasticizing rate (PS) [4]	g/s	54	64	71	57	68	72	56	65	80	62	80	100
	Plasticizing rate (HDPE) [5]	g/s	-	-	-	-	-	-	80	95	120	93	115	150
	Nozzle contact force	kN	54			54			63.7			63.7		
	Heating power	kW	29.7			34.3			37.6			45		
INJECTION UNIT	**INJECTION UNIT**		**1400**			**1700**			**2250**			**3350**		
	Injection speed	mm/s	160			160			160			160		
	Injection rate (PS)	g/s	332	395	463	395	463	537	463	537	702	617	702	889
	INJECTION UNIT		**1400h**			**1700h**			**-**			**-**		
	Injection speed	mm/s	250			250			-			-		
	Injection rate (PS)	g/s	518	617	724	617	724	840	-	-	-	-	-	-
	INJECTION UNIT		**1400hs**			**1700hs**			**-**			**-**		
	Injection speed	mm/s	350			350			-			-		
	Injection rate (PS)	g/s	726	864	1014	864	1014	1176	-	-	-	-	-	-
OTHERS	Connection power	kW/A	1400:53/90 1400h:56/94 1400hs:56/94			1700:56/93 1700h:59/98 1700hs:69/116			65/109			85/143		
	Hopper capacity (OP)	l	50			50			50			100		
	Machine dimension	m	8.6×2.5×2.6			8.8×2.5×2.6			8.7×2.5×2.6			9.0×2.5×2.6		
	Machine weight	t	31.3			31.4			31.9			33.6		

NOTE: [1] Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

[2] Shot weight (PS) is the theoretical value of shot volume melt density of PS.It is not a measured value.

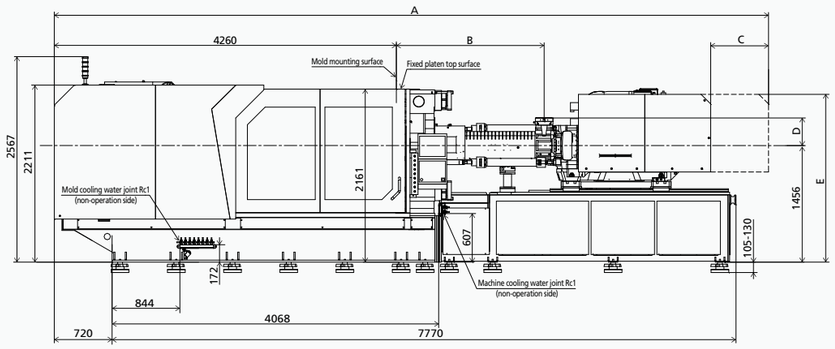
[3] Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

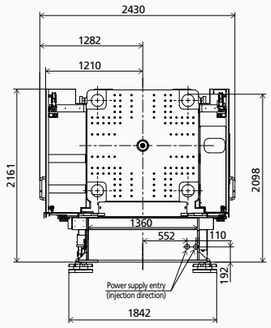
[4] Plasticizing capacity(PS) is based on standard screw configuration.

[5] Plasticizing capacity(HDPE) is tested according to EUROMAP 19 based on barrier screw configuration.

This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

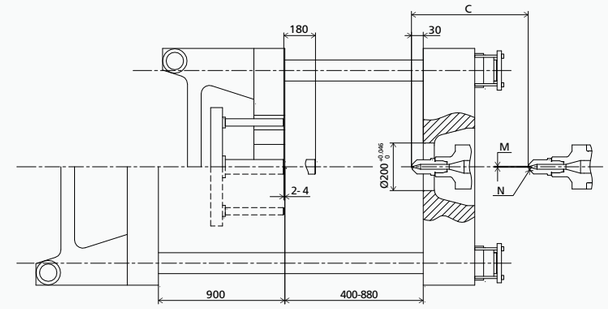
MACHINE DIMENSIONS

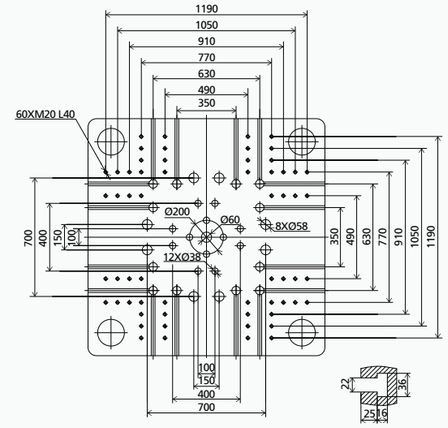




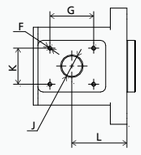
	A	B	C	D	E	F	G	H	J	K	L	M	N
1400hs,1400h,1400	8561	1379	610	251	2161	4×M10 L20	115	149	Ø80	115	184	Ø3	SR10
1700hs,1700h,1700	8759	1544	610	251	2161	4×M10 L20	115	148	Ø80	115	217	Ø3	SR10
2250	8610	1636	610	325	2096	4×M10 L20	115	225	Ø85	115	118	Ø4	SR15
3350	8935	1840	720	345	2096	4×M12 L25	170	225	Ø100	170	128	Ø4	SR15

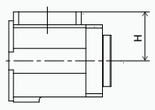
PLATEN DIMENSIONS

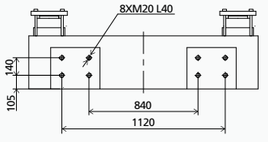




OTHERS DIMENSIONS



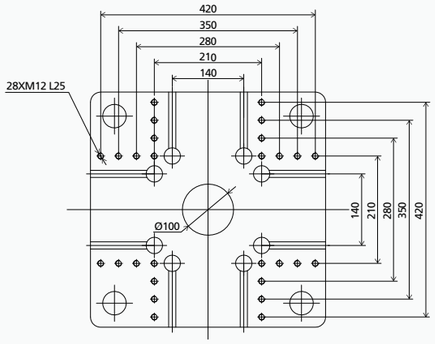




PLATEN LAYOUT VE400III

EUROPEAN VERSION

FIXED PLATEN



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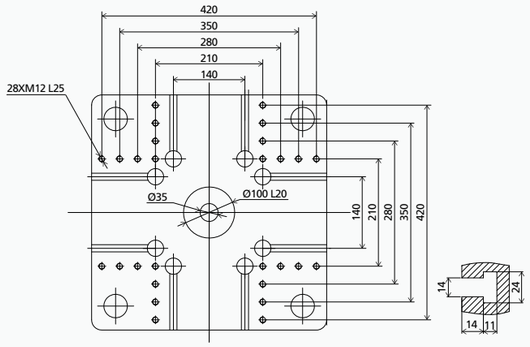
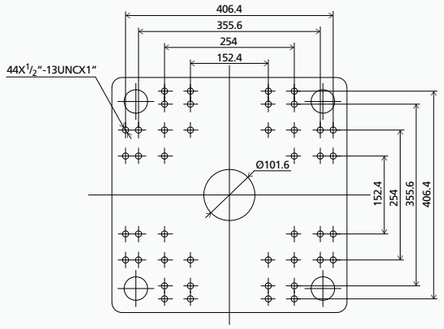


AMERICAN VERSION

FIXED PLATEN



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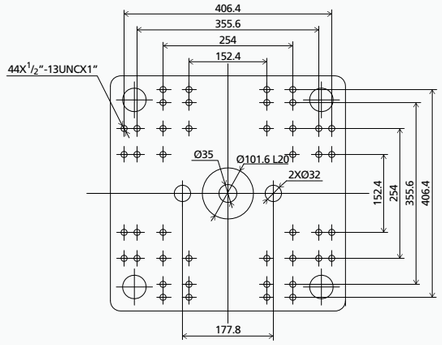
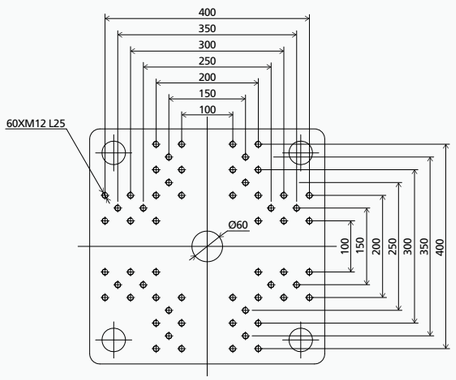


JAPANESE VERSION

FIXED PLATEN



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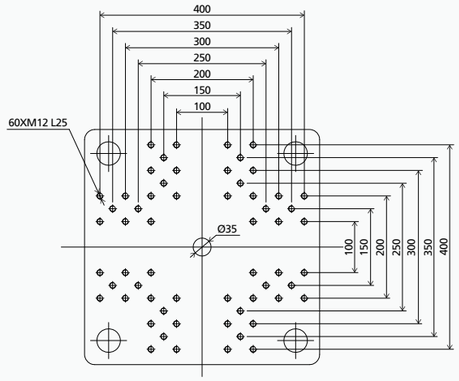
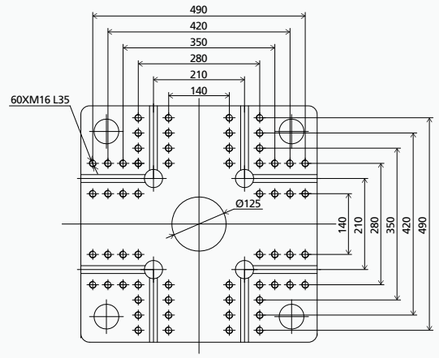


We reserve the right to make changes as a result of further technical advances.

PLATEN LAYOUT VE600III

EUROPEAN VERSION

FIXED PLATEN



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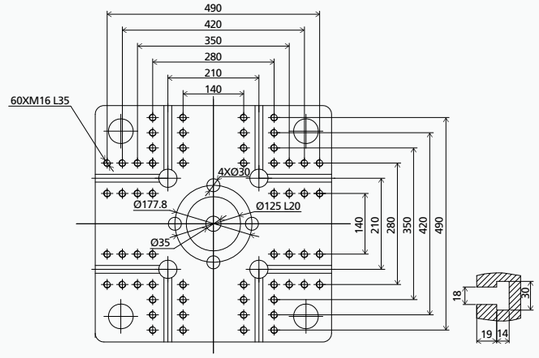
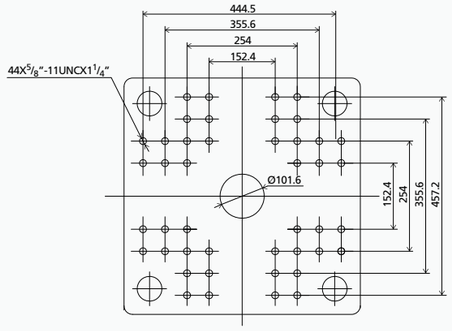


AMERICAN VERSION

FIXED PLATEN



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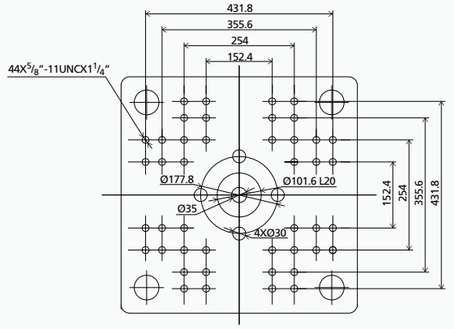

JAPANESE VERSION

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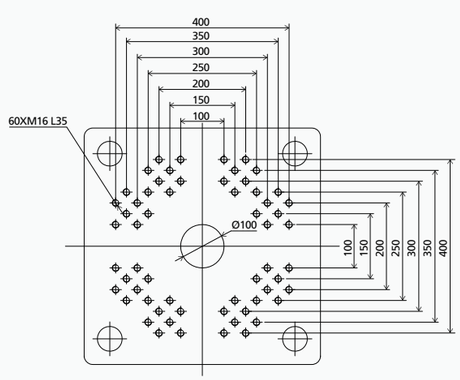

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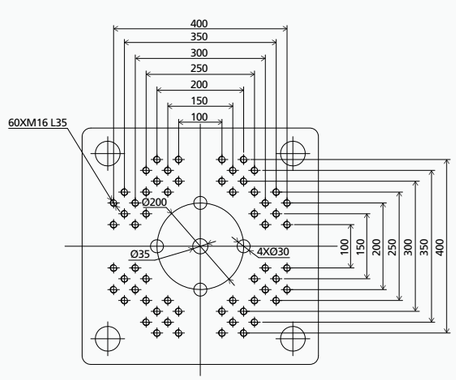
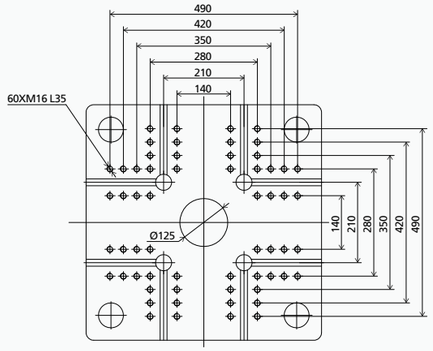


PLATEN LAYOUT VE900III

EUROPEAN VERSION

FIXED PLATEN



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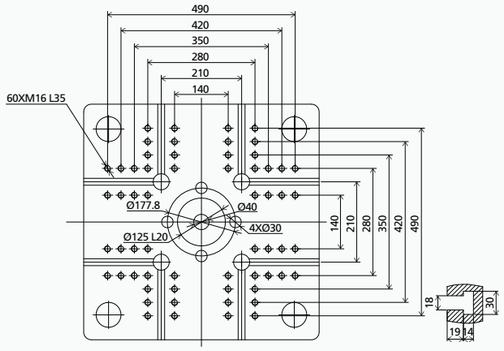
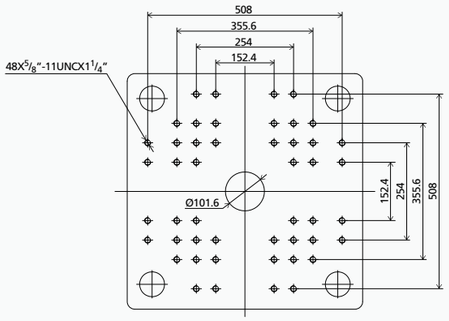


AMERICAN VERSION

FIXED PLATEN



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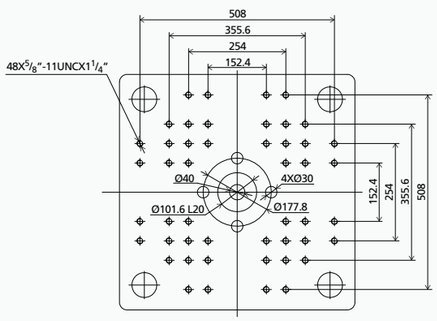
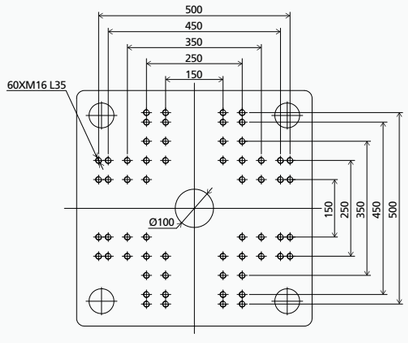


JAPANESE VERSION

FIXED PLATEN



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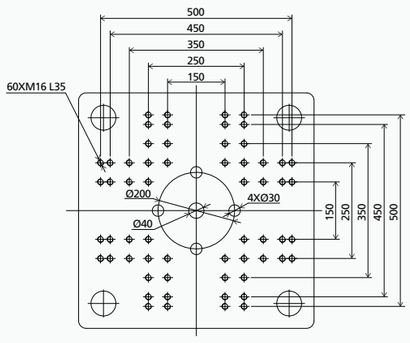
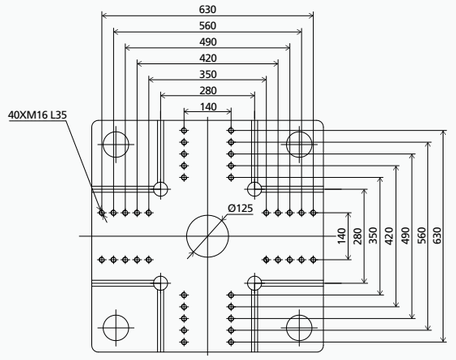


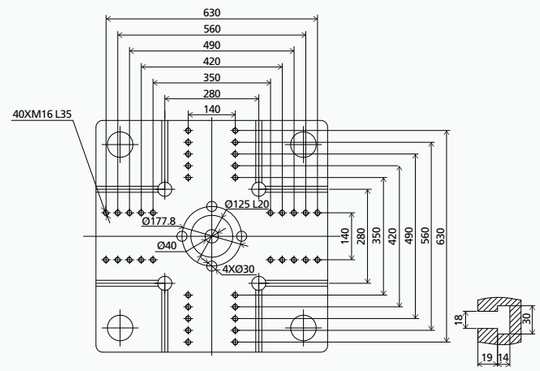
PLATEN LAYOUT VE1200III

EUROPEAN VERSION

FIXED PLATEN



MOVABLE PLATEN



AMERICAN VERSION

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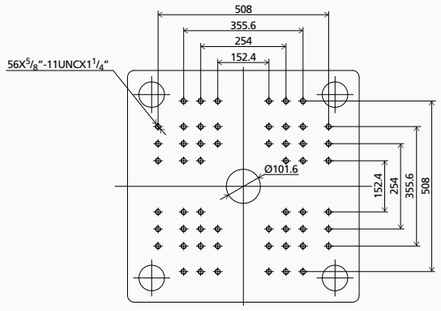

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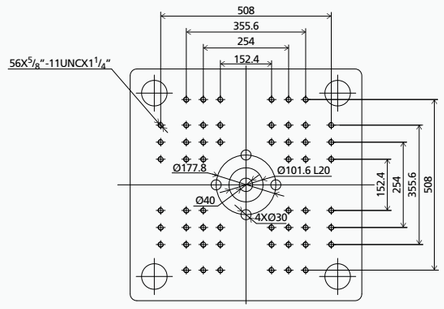

JAPANESE VERSION

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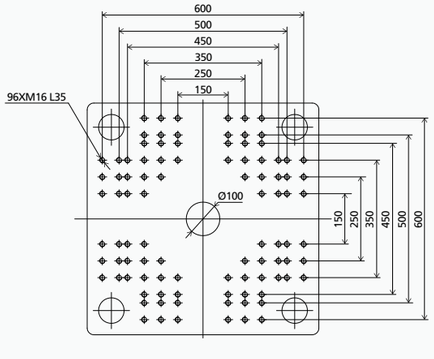

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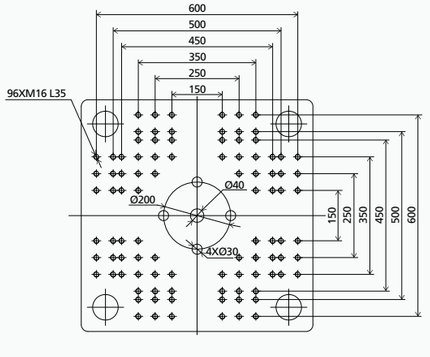
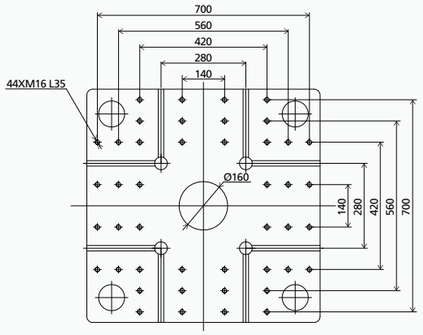


We reserve the right to make changes as a result of further technical advances.

PLATEN LAYOUT VE1500III

EUROPEAN VERSION

FIXED PLATEN



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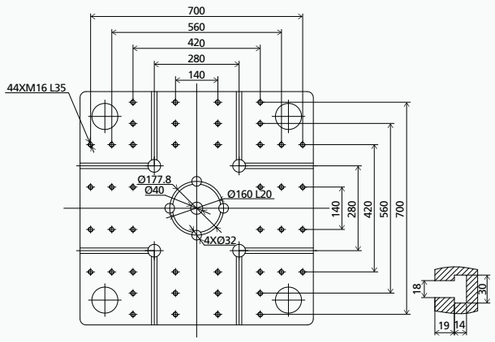
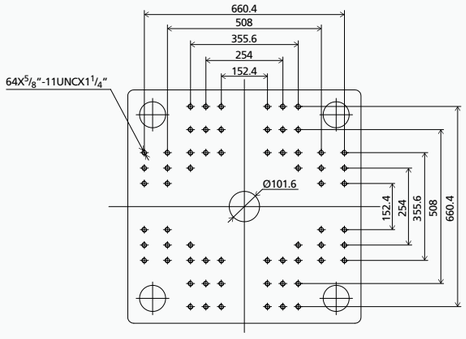


AMERICAN VERSION

FIXED PLATEN



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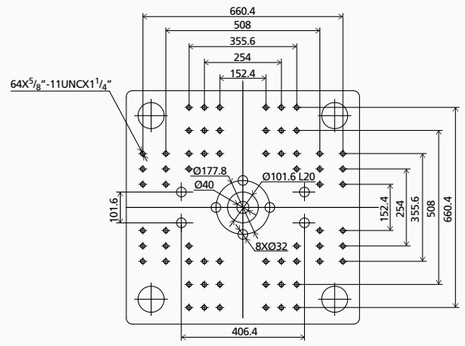

JAPANESE VERSION

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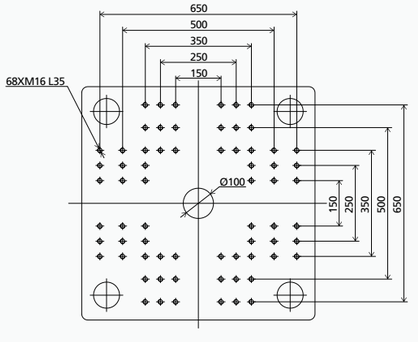

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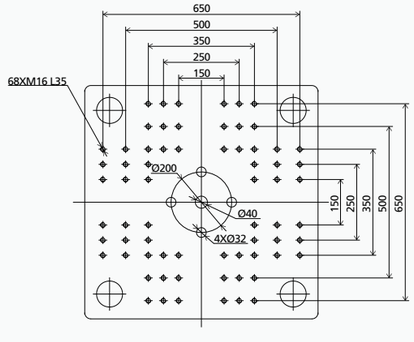
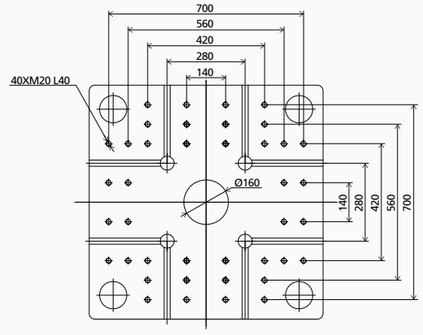


PLATEN LAYOUT VE1900III

EUROPEAN VERSION

FIXED PLATEN



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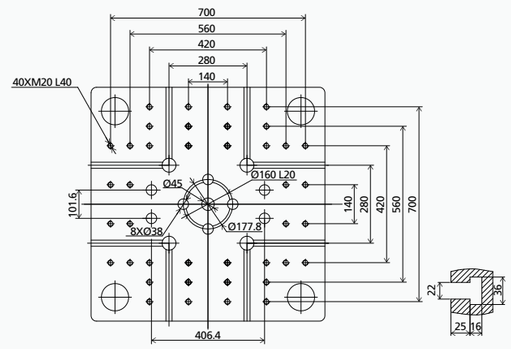
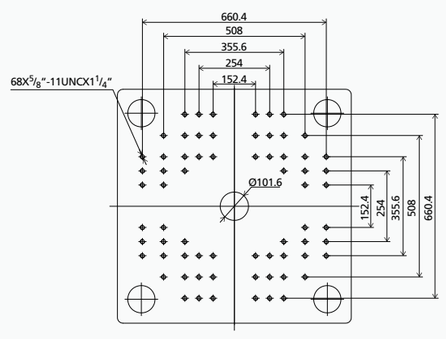


AMERICAN VERSION

FIXED PLATEN



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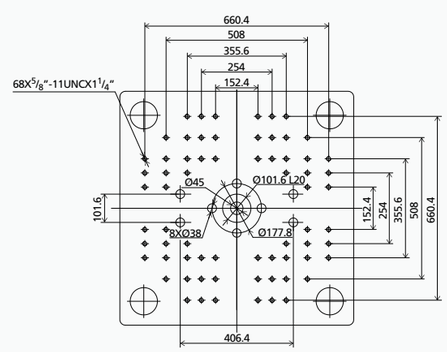

JAPANESE VERSION

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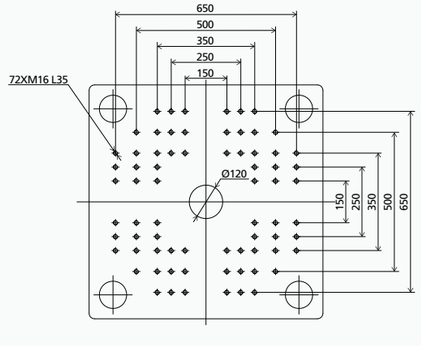

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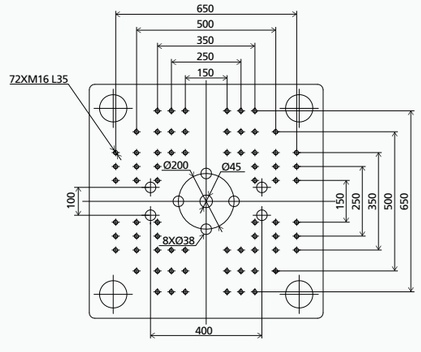
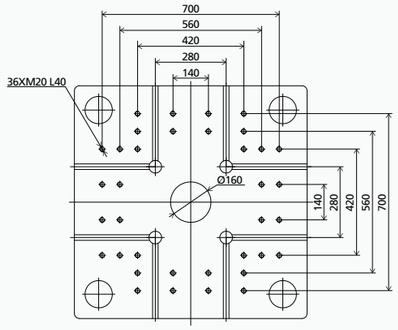


We reserve the right to make changes as a result of further technical advances.

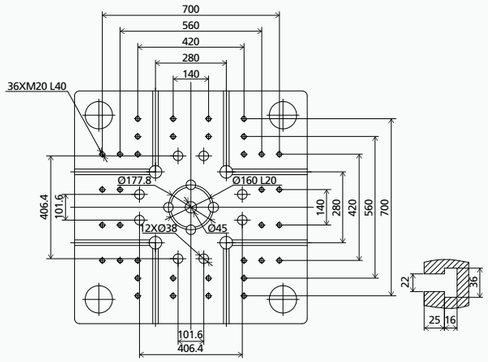
PLATEN LAYOUT VE2300III

EUROPEAN VERSION

FIXED PLATEN

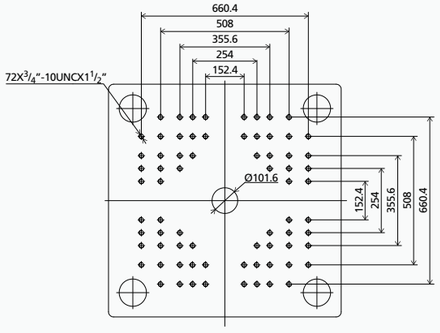


MOVABLE PLATEN



AMERICAN VERSION

FIXED PLATEN



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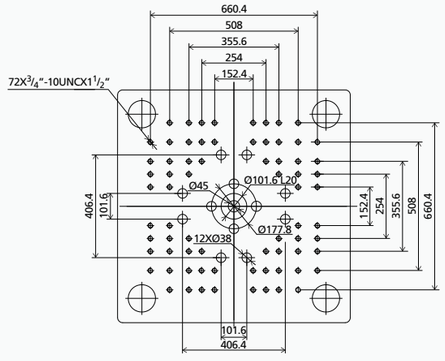
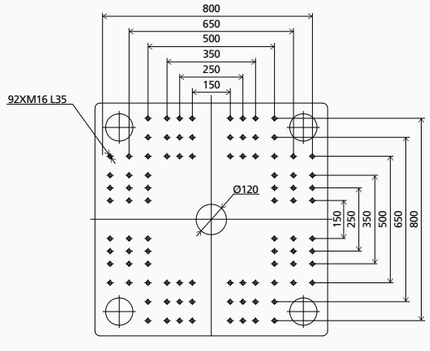


JAPANESE VERSION

FIXED PLATEN



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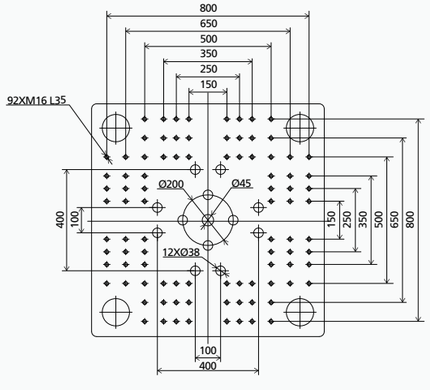
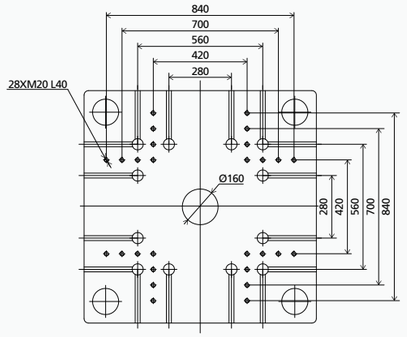


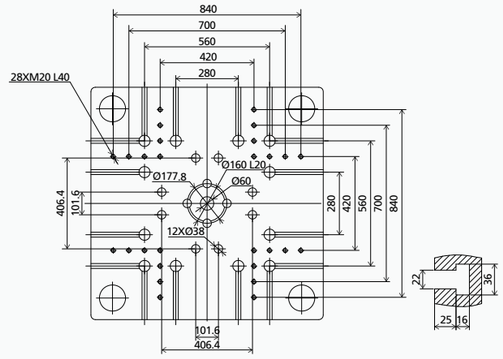
PLATEN LAYOUT VE3000III

EUROPEAN VERSION

FIXED PLATEN

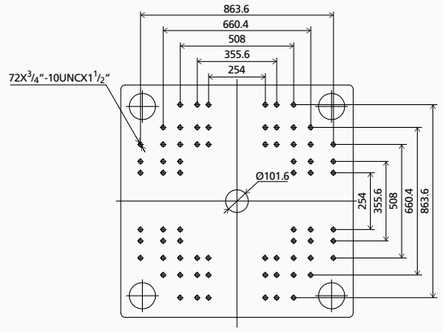


MOVABLE PLATEN



AMERICAN VERSION

FIXED PLATEN



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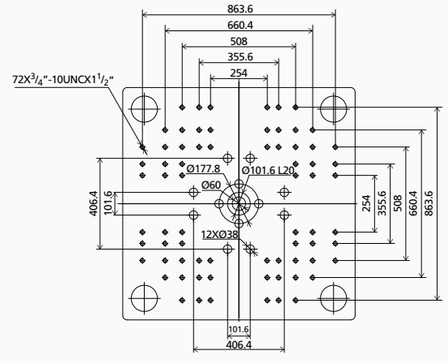
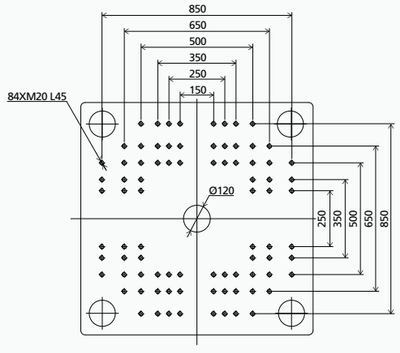


JAPANESE VERSION

FIXED PLATEN



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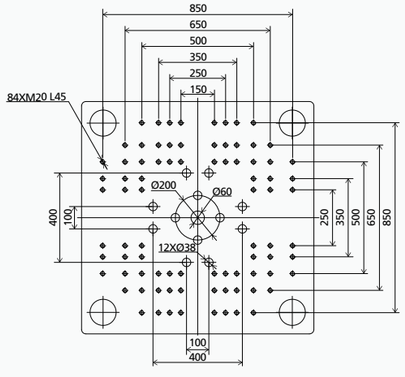
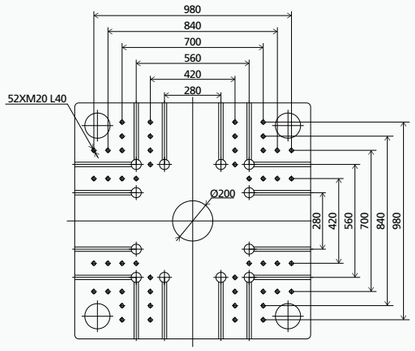


We reserve the right to make changes as a result of further technical advances.

PLATEN LAYOUT VE3600III

EUROPEAN VERSION

FIXED PLATEN



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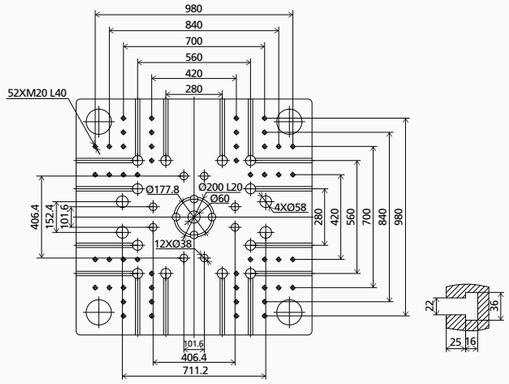
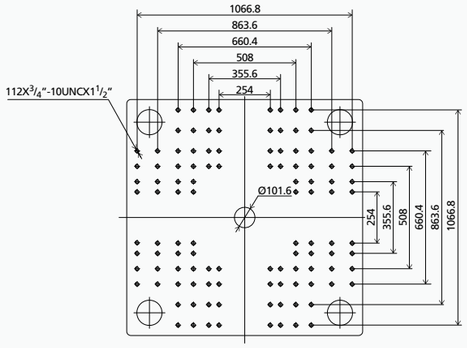


AMERICAN VERSION

FIXED PLATEN



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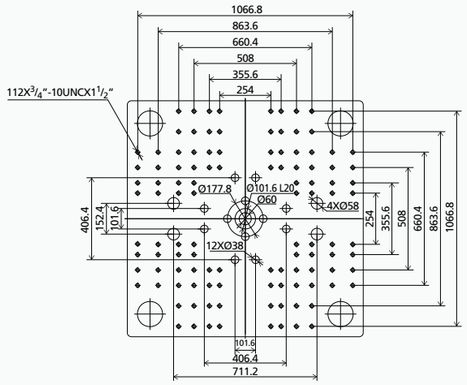
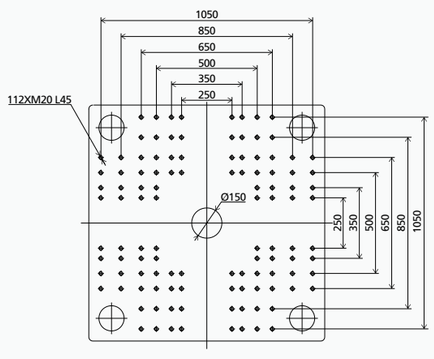


JAPANESE VERSION

FIXED PLATEN



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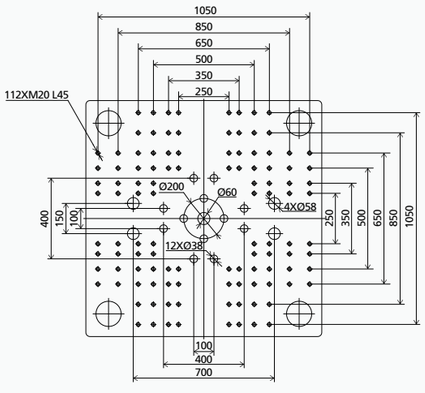
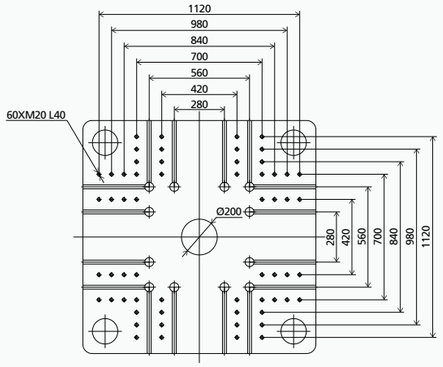


We reserve the right to make changes as a result of further technical advances.

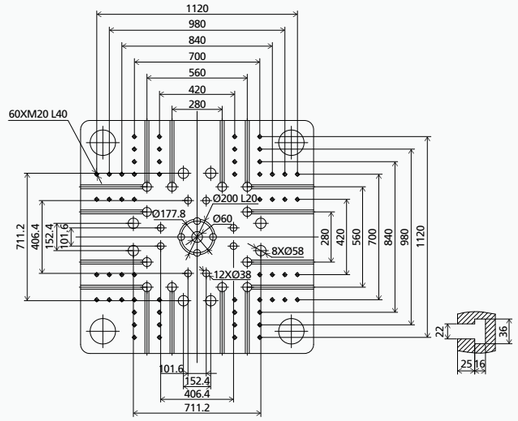
PLATEN LAYOUT VE4500III

EUROPEAN VERSION

FIXED PLATEN

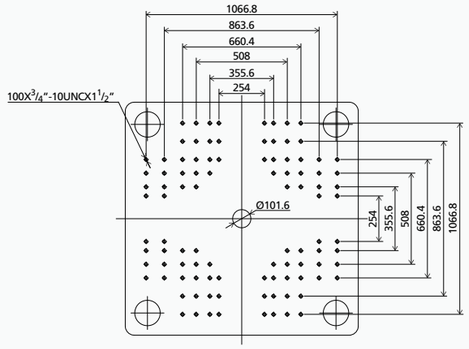


MOVABLE PLATEN

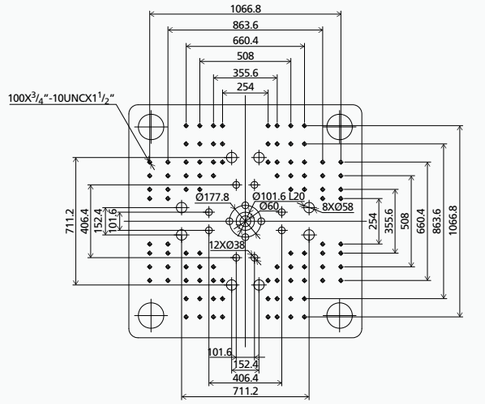


AMERICAN VERSION

FIXED PLATEN

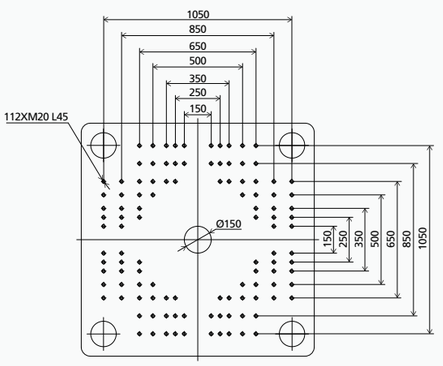


MOVABLE PLATEN



JAPANESE VERSION

FIXED PLATEN



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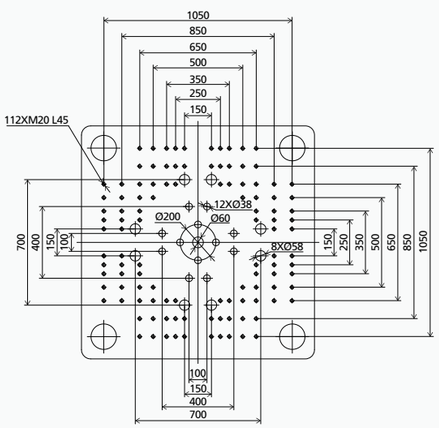
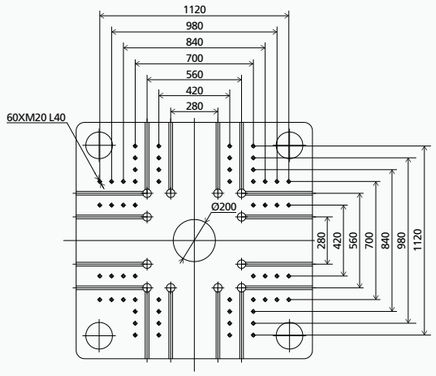


PLATEN LAYOUT VE5500III

EUROPEAN VERSION

FIXED PLATEN



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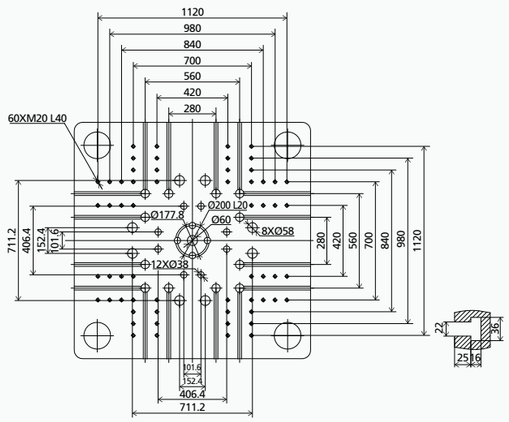
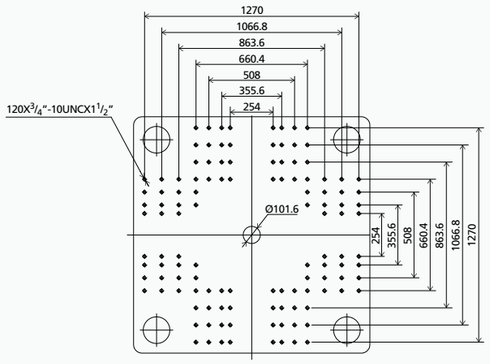


AMERICAN VERSION

FIXED PLATEN



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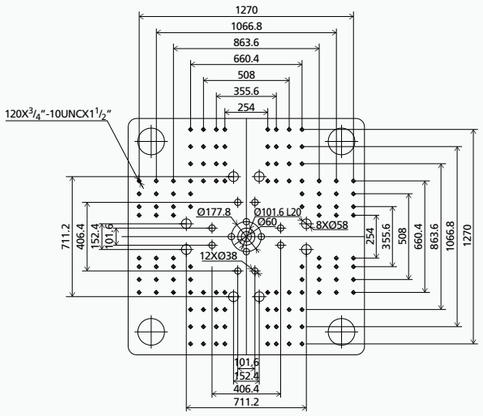
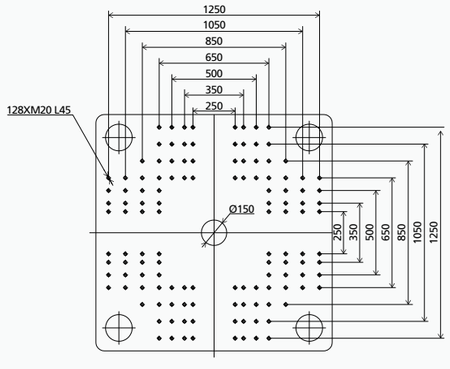
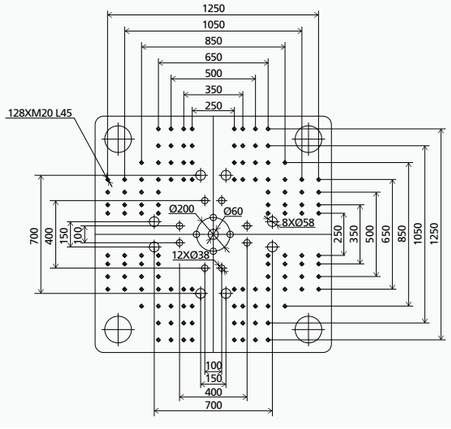


JAPANESE VERSION

FIXED PLATEN



MOVABLE PLATEN



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

STANDARD EQUIPMENT LIST

GENERAL EQUIPMENT

- Basic safety device according to GB/22530-2010.
- ZHAFIR colors: RAL9010, RAL5003
- Power supply: 380VAC, 3PH+N+PE
- Sigmatek controller, 15.1 inch touch screen
- Injection, dosing, platen movement and ejector movement driven independently by servo motor, optical encoder position detection.
- LUBE central lubrication system

INJECTION UNIT

- Abrasion-resistant screw set, general version
- Open nozzle
- Barrel heating temperature PID control, SSR
- Extended nozzle, temperature PID control independently
- Feeding zone temperature closed-loop control
- Injection speed 6 steps
- Speed responding mode adjustable
- Holding pressure 4 steps
- Pressure responding mode adjustable
- V/P switch over methods by position/ time/ pressure combinations
- Dosing rotation speed 3 steps
- Back pressure 3 steps
- HPM over-filling protection function
- Screw retraction before and/or after dosing
- Auto purge
- Swiveling injection unit

CLAMPING UNIT

- 5-point twin toggle mechanism
- Center pressing platen
- Clamping force settable at control panel
- Automatic mold-height adjustment
- Platen moving speed 6 steps
- AI mold protection
- Clamping force pre-release
- Ejector speed 3 steps
- Ejector pressure 3 steps
- Multi ejection function
- Ejection parallel to mold opening

FUNCTIONS & CONTROLS

- Multi-language available (Chinese, German, English, Japanese etc.)
- Metric/Imperial unit selectable
- Dosing parallel to mold opening
- Injection compression
- Production assistant device function
- Maintenance alert
- 5000 cycles process data recording
- Amendment report
- Alarm record
- Quality control function
- Mold profile data memory (up to 200 sets)
- 3 USB interface
- USB printer interface
- Injection speed & pressure curve
- 1 free programmable I/O
- Mold ejector protection interface
- EUROMAP 12 interface for handling device
- Auxiliary socket 3PH/380V 32A×1, 16A×2
- 3 color alarm lamp (red/yellow/green)

OTHERS

- Tool kit & spare parts package
- Leveling pads
- Documents with machine
- Operating manual