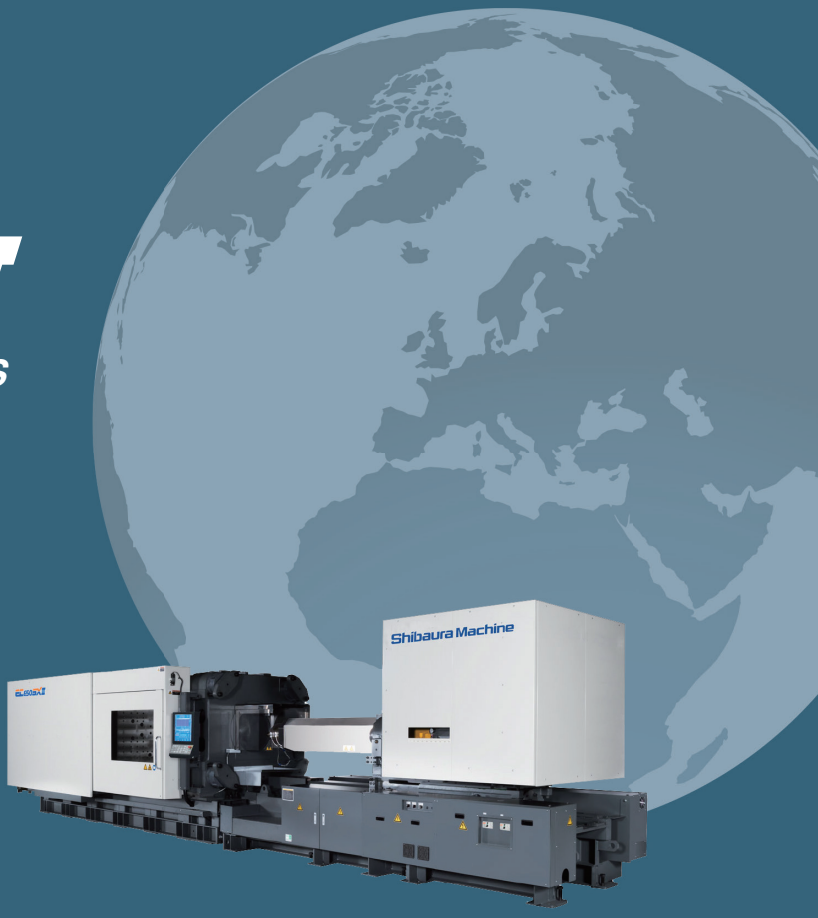
Shibaura Machine

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EC SXIII SERIES

ALL ELECTRIC INJECTION MOLDING MACHINES
EUROPEAN SPECIFICATIONS



Smart Electric Molding Solutions.

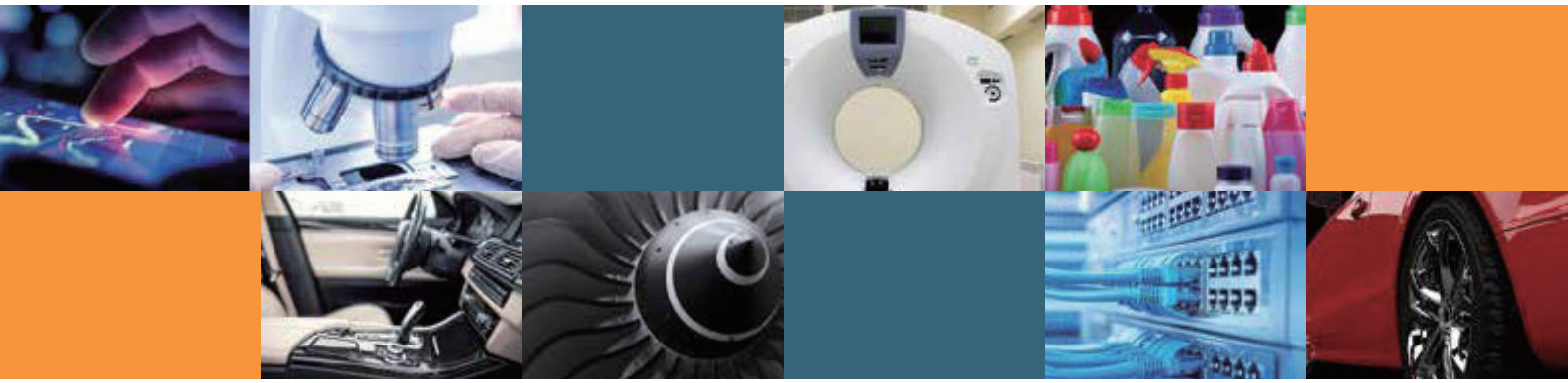
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Meet the Next Generation

EC-SX III



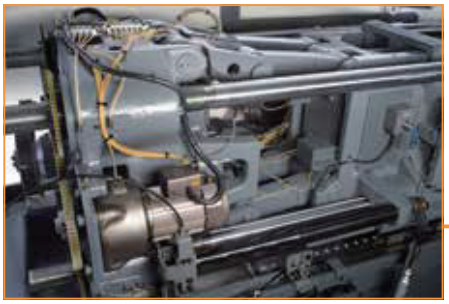
# of All-Electrics



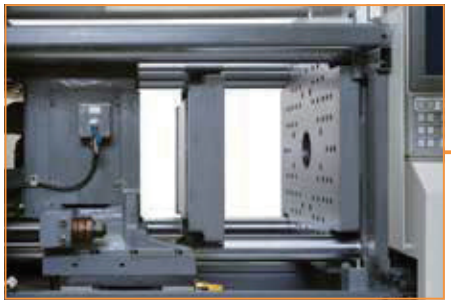
The ECSXIII from Shibaura Machine

In 2018, Shibaura Machine revolutionized injection molding with the ECSXIII series of all-electrics. The powerhouse of injection molding, it is not only gave molders faster dry cycle times, longer mold life and more uniform clamping force, but more shot sizes from a single machine and the most advanced controller on the market.
Now we've taken the next step. Introducing the all-new ECSXIII – all-electrics with the same versatility and performance, along with a new controller V70. V70 has large sized 19 inches display and dual screen layout that gives extremely easy and flexible operation, customization and new molding control. The new ECSXIII is ideal for virtually all molding applications, from automotive and aerospace, to packaging, medical and more.

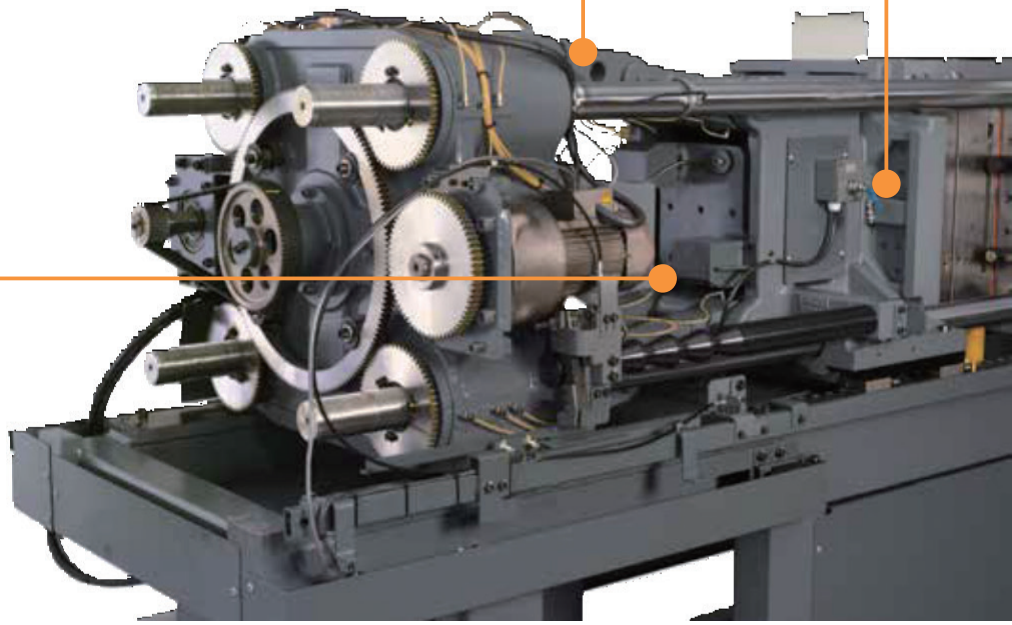
Features & Benefits



The ECSXIII's 5-point Link- line toggle mechanism is angled to distribute force evenly across the platen, increasing quality and minimizing defects. It has the added benefit of extending mold life and reducing machine maintenance.



Two-piece removable platens can be changed out in 15 minutes giving you extraordinary flexibility.





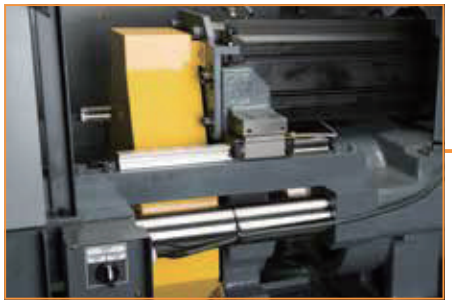
Strain gauge adjusts tonnage automatically and on the fly during the cycle. This ensures accurate tonnage at all times.



Ball screws are designed to push heavier loads, spreading the load across a much larger surface area than conventional ball screws.



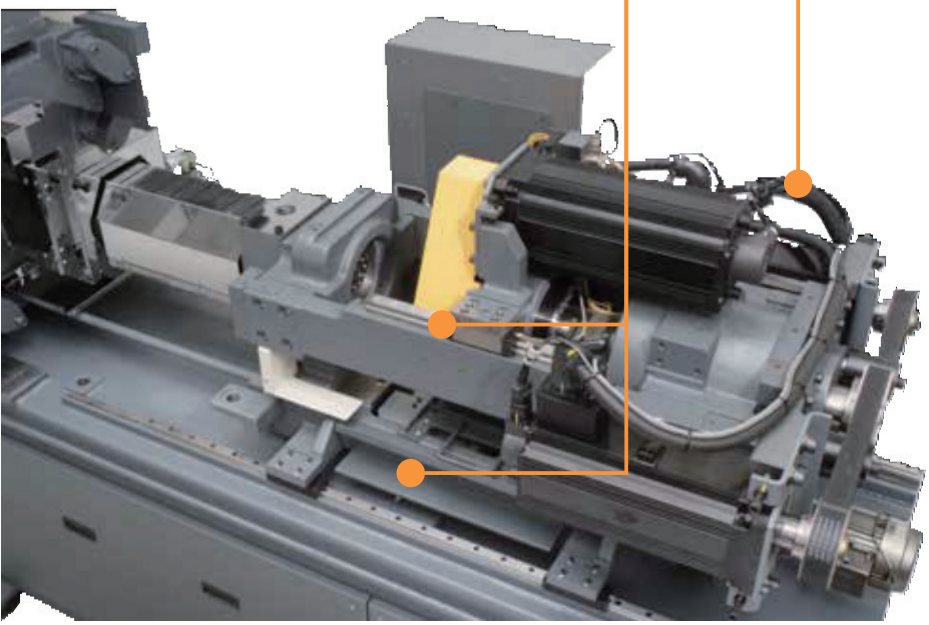
With bushing-free, grease-free tie bars, there's less chance of contaminating molded parts, increasing your shop's quality.

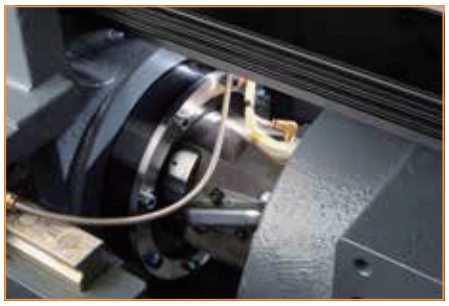


(S3) Simple, Steady, Smooth – Friction free drive system ensures more accurate injection speed and back pressure control, improving shot-to-shot repeatability throughout the processing cycle.



The heavy weight on the injection unit is supported on linear guides, greatly reducing the drag of injection and backpressure.





The ECSXIII uses an advance load cell which ensures accurate control of injection pressure. In combination with the V70 controller, this load cell achieves Scientific Molding over the balance of the mold without the use of internal transducers.



Easy access to tie in the ejection plate to the press, for faster, easier mold changes.



Equipped with a new 19 inch large-screen controller "INJECTCISOR V70". "Legibility", "Operability", and "Setting Flexibility" are drastically improved. Shibaura Machine's know-how in various molding solutions has been thoroughly incorporated into the unit to drastically improve customers.

Major Specifications

ITEM		UNIT	MODEL EC50SXⅢ		MODEL EC75SXⅢ		
INJECTION UNIT CODE			i1.5		i2		
BARREL CODE			Y	A	Y	A	B
SCREW DIAMETER		mm	25	28	28	32	36
INJECTION VOLUME CALCULATED		cm^3	55	69	78	102	130
SHOT WEIGHT	PS	g	51	63	72	94	120
	PE		40	50	57	75	95
INJECTION PRESSURE		MPa	276	220	287	220	174
		kgf/cm^2	2810	2240	2920	2240	1770
HOLDING PRESSURE		MPa	276	220	287	220	174
		kgf/cm^2	2810	2240	2920	2240	1770
INJECTION SPEED	STD	mm/s	200		200		
INJECTION RATE (MAX)		cm^3/s	98	123	123	161	204
INJECTION SPEED	Semi-High Speed	mm/s	300		300		
INJECTION RATE (MAX)		cm^3/s	147	184	184	241	305
INJECTION SPEED	High Speed	mm/s	500		500		
INJECTION RATE (MAX)		cm^3/s	245	308	308	402	509
PLASTICIZING CAPACITY	PS	kg/h	25	35	40	61	83
MAXIMUM SCREW SPEED		min^{-1}	390	390	400	390	350
SCREW TORQUE		N-m	204	280	280	407	407
SCREW STROKE		mm	112		128		
NOZZLE TOUCH FORCE		kN(tf)	17.7(1.8)		17.7(1.8)		
CLAMPING FORCE		kN(tf)	490 (50)		735 (75)		
DISTANCE BETWEEN TIE RODS (H×V)		mm	410×360		410×360		
PLATEN DIMENSIONS (H×V)		mm	510×460		580×530		
OPENING STROKE		mm	300		300		
OPEN DAYLIGHT (Max.)		mm	670 (★610) (★★650) (★★★660)		770 (★710) (★★750) (★★★760)		
CLOSED DAYLIGHT (MIN.～MAX.MOLD)		mm	150～370 (★90～310) (★★130～350) (★★★140～360)		150～470 (★90～410) (★★130～450) (★★★140～460)		
EJECTION FORCE		kN(tf)	20 (2.0)		20 (2.0)		
EJECTOR STROKE		mm	70		70		
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	6.6		6.9		7.7
	200V SPEC		5.4		5.7		6.3
APPARENT POWER	Semi-High Speed	kVA	23.1		29.7		
	STD		16.0		20.4		
	High Speed		37.3		48.2		
MAIN BREAKER CAPACITY	Semi-High Speed	A	50		75		
	STD		50		75		
	High Speed		100		125		
SHORT-CIRCUIT CURRENT RATING	Semi-High Speed	kA	5/3		25/13		
	STD		5/3		25/13		
	High Speed		25/13		36/18		
POWER	Semi-High Speed	kW	14.3		19.8		
	STD		12.3		19.8		
	High Speed		18.3		32.8		
MACHINE DIMENSIONS (L×W×H)		m	3.9×1.3×■1.6		4.1×1.3×■1.6		4.2×1.3×■1.6
MACHINE WEIGHT		t	3.2		3.3		

MODEL EC50SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 235(H)×210(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional T-slotted mold platen.
7 : Values marked with ★★ vary with optional insulating plates (10mm) are attached. Values marked with ★★★ vary with optional insulating plates (5mm) are attached.
8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
10 :1MPa=10.2kgf/cm² ,1kN=0.102tf

MODEL EC75SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 235(H)×210(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional T-slotted mold platen.
7 : Values marked with ★★ vary with optional insulating plates (10㎜) are attached. Values marked with ★★★ vary with optional insulating plates (5㎜) are attached.
8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
10 : 1 MPa=10.2kgf/cm² , 1 kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC100SXⅢ						MODEL EC130SXⅢ		
INJECTION UNIT CODE			i2			i4			i4		
BARREL CODE			Y	A	B	Y	A	B	Y	A	B
SCREW DIAMETER		mm	28	32	36	36	40	45	36	40	45
INJECTION VOLUME CALCULATED		cm^3	78	102	130	162	201	254	162	201	254
SHOT WEIGHT	PS	g	72	94	120	145	180	230	145	180	230
	PE		57	75	95	115	145	185	115	145	185
INJECTION PRESSURE		MPa	287	220	174	247	200	158	247	200	158
		kgf/cm^2	2920	2240	1770	2510	2040	1610	2510	2040	1610
HOLDING PRESSURE		MPa	287	220	174	247	200	158	247	200	158
		kgf/cm^2	2920	2240	1770	2510	2040	1610	2510	2040	1610
INJECTION SPEED	STD	mm/s	200			200			200		
INJECTION RATE (MAX)		cm^3/s	123	161	204	204	251	318	204	251	318
INJECTION SPEED	Semi-High Speed	mm/s	300			300			300		
INJECTION RATE (MAX)		cm^3/s	184	241	305	305	376	477	305	376	477
INJECTION SPEED	High Speed	mm/s	500			400			400		
INJECTION RATE (MAX)		cm^3/s	308	402	509	407	502	636	407	502	636
PLASTICIZING CAPACITY	PS	kg/h	40	61	83	83	110	120	83	110	120
MAXIMUM SCREW SPEED		min^{-1}	400	390	350	350	320	285	350	320	285
SCREW TORQUE		N-m	280	407	407	566	761	761	566	761	761
SCREW STROKE		mm	128			160			160		
NOZZLE TOUCH FORCE		kN(tf)	17.7(1.8)						17.7(1.8)		
CLAMPING FORCE		kN(tf)	980（100）						1270（130）		
DISTANCE BETWEEN TIE RODS (H×V)		mm	460×410						510×460		
PLATEN DIMENSIONS (H×V)		mm	660×610						720×670		
OPENING STROKE		mm	350						400		
OPEN DAYLIGHT (Max.)		mm	900（★840）（★★880）（★★★890）						950（★890）（★★930）（★★★940）		
CLOSED DAYLIGHT (MIN.～MAX.MOLD)		mm	180～550（★120～490）（★★160～530））（★★★170～540）						180～550（★120～490）（★★160～530）（★★★170～540）		
EJECTION FORCE		kN(tf)	30（3.0）						30（3.0）		
EJECTOR STROKE		mm	90						90		
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	6.9		7.7	11.2		12.0	11.2		12.0
	200V SPEC		5.7		6.3	9.3		9.9	9.3		9.9
APPARENT POWER	Semi-High Speed	kVA	29.7			42.5			42.5		
	STD		20.4			29.4			29.4		
	High Speed		48.2			55.7			55.7		
MAIN BREAKER CAPACITY	Semi-High Speed	A	75			100			100		
	STD		75			100			100		
	High Speed		125			125			125		
SHORT-CIRCUIT CURRENT RATING	Semi-High Speed	kA	25/13			25/13			25/13		
	STD		25/13			25/13			25/13		
	High Speed		36/18			36/18			36/18		
POWER	Semi-High Speed	kW	19.8			23.7			23.7		
	STD		19.8			23.7			23.7		
	High Speed		32.8			37.2			37.2		
MACHINE DIMENSIONS (L×W×H)		m	A,Y 4.6×1.3×■1.7 B 4.7×1.3×■1.7			A,Y 4.8×1.3×■1.7 B 5.0×1.3×■1.7			5.0×1.5×■1.7		5.1×1.5×■1.7
MACHINE WEIGHT		t	4.2			4.3			5.3		

MODEL EC100SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 265(H)×240(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional T-slotted mold platen.
7 : Values marked with ★★ vary with optional insulating plates (10 ㎜) are attached. Values marked with ★★★ vary with optional insulating plates (5 ㎜) are attached.
8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
10 : 1 MPa=10.2kgf/cm² , 1 kN=0.102tf

MODEL EC130SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 295(H)×270(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional T-slotted mold platen.
7 : Values marked with ★★ vary with optional insulating plates (10 ㎜) are attached. Values marked with ★★★ vary with optional insulating plates (5 ㎜) are attached.
8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
10 : 1 MPa=10.2kgf/cm² , 1 kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC180SXⅢ						MODEL EC230SXⅢ		
INJECTION UNIT CODE			i4			i8			i8		
BARREL CODE			Y	A	B	Y	A	B	Y	A	B
SCREW DIAMETER		mm	36	40	45	45	50	55	45	50	55
INJECTION VOLUME CALCULATED		cm^3	162	201	254	318	392	475	318	392	475
SHOT WEIGHT	PS	g	145	180	230	292	361	437	292	361	437
	PE		115	145	185	232	286	346	232	286	346
INJECTION PRESSURE		MPa	247	200	158	247	200	165	247	200	165
		kgf/cm^2	2510	2040	1610	2510	2040	1680	2510	2040	1680
HOLDING PRESSURE		MPa	247	200	158	247	200	165	247	200	165
		kgf/cm^2	2510	2040	1610	2510	2040	1680	2510	2040	1680
INJECTION SPEED	STD	mm/s	200			160			160		
INJECTION RATE (MAX)		cm^3/s	204	251	318	254	314	380	254	314	380
INJECTION SPEED	Semi-High Speed	mm/s	300			250			250		
INJECTION RATE (MAX)		cm^3/s	305	376	477	397	490	593	397	490	593
INJECTION SPEED	High Speed	mm/s	400			350			350		
INJECTION RATE (MAX)		cm^3/s	407	502	636	556	687	831	556	687	831
PLASTICIZING CAPACITY	PS	kg/h	83	110	120	120	160	190	120	160	190
MAXIMUM SCREW SPEED		min^{-1}	350	320	285	285	255	230	285	255	230
SCREW TORQUE		N-m	566	761	761	1058	1421	1421	1058	1421	1421
SCREW STROKE		mm	160			200			200		
NOZZLE TOUCH FORCE		kN(tf)	29.4 (3.0)						29.4 (3.0)		
CLAMPING FORCE		kN(tf)	1760 (180)						2250 (230)		
DISTANCE BETWEEN TIE RODS (H×V)		mm	560×510						610×560		
PLATEN DIMENSIONS (H×V)		mm	790×740						880×830		
OPENING STROKE		mm	450						550		
OPEN DAYLIGHT (Max.)		mm	1050 (★990) (★★1030) (★★★1040)						1230 (★1170) (★★1210) (★★★1220)		
CLOSED DAYLIGHT (MIN.～MAX.MOLD)		mm	200～600 (★140～540) (★★180～580) (★★★190～590)						250～680 (★190～620) (★★230～660) (★★★240～670)		
EJECTION FORCE		kN(tf)	49 (5.0)						49 (5.0)		
EJECTOR STROKE		mm	130						130		
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	11.2		12.0	15.3		15.9	15.3		15.9
	200V SPEC		9.3		9.9	12.6		13.1	12.6		13.1
APPARENT POWER	Semi-High Speed	kVA	42.5			55.6			55.6		
	STD		29.4			37.5			37.5		
	High Speed		55.7			76.2			76.2		
MAIN BREAKER CAPACITY	Semi-High Speed	A	100			125			125		
	STD		100			125			125		
	High Speed		125			175			175		
SHORT-CIRCUIT CURRENT RATING	Semi-High Speed	kA	25/13			36/18			36/18		
	STD		25/13			36/18			36/18		
	High Speed		36/18			36/18			36/18		
POWER	Semi-High Speed	kW	23.7			41.2			41.2		
	STD		23.7			41.2			41.2		
	High Speed		37.2			40.6			40.6		
MACHINE DIMENSIONS (L×W×H)		m	5.7×1.6×■1.8			A,Y 6.0×1.6×■1.8 B 6.1×1.6×■1.8			<A,Y> 6.3×1.7×■2.0 <B> 6.4×1.7×■2.0		
MACHINE WEIGHT		t	7.0			7.3			9.3		

MODEL EC180SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 325(H)×300(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional T-slotted mold platen.
7 : Values marked with ★★ vary with optional insulating plates (10mm) are attached. Values marked with ★★★ vary with optional insulating plates (5mm) are attached.
8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
10 :1MPa=10.2kgf/cm^2 ,1kN=0.102tf

MODEL EC230SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 360(H)×335(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional T-slotted mold platen.
7 : Values marked with ★★ vary with optional insulating plates (10mm) are attached. Values marked with ★★★ vary with optional insulating plates (5mm) are attached.
8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
10 :1MPa=10.2kgf/cm^2 ,1kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC280SXⅢ							
INJECTION UNIT CODE			i10			i17				
BARREL CODE			Y	A	B	Y	AT		BH	B
							STD	HIGH TORQUE		
SCREW DIAMETER		mm	45	50	55	50	60		65	70
INJECTION VOLUME CALCULATED		cm^3	397	490	593	589	848		995	1155
SHOT WEIGHT	PS	g	365	450	545	542	780		915	1062
	PE		289	357	432	430	619		726	842
INJECTION PRESSURE		MPa	247	200	165	288	200		170	147
		kgf/cm^2	2510	2040	1680	2930	2040		1730	1490
HOLDING PRESSURE		MPa	247	200	165	288	200		170	147
		kgf/cm^2	2510	2040	1680	2930	2040		1730	1490
INJECTION SPEED	STD	mm/s	160			160				
INJECTION RATE (MAX)		cm^3/s	254	314	380	314	452		530	616
INJECTION SPEED	Semi-High Speed	mm/s	250			-				
INJECTION RATE (MAX)		cm^3/s	397	490	593	-	-		-	-
INJECTION SPEED	High Speed	mm/s	350			300				
INJECTION RATE (MAX)		cm^3/s	556	687	831	589	848		995	1155
PLASTICIZING CAPACITY	PS	kg/h	120	160	190	160	230	190	250	270
MAXIMUM SCREW SPEED		min^{-1}	285	255	230	255	220	180	195	180
SCREW TORQUE		N-m	1058	1421	1421	1421	2367	2900	2367	2367
SCREW STROKE		mm	250			300				
NOZZLE TOUCH FORCE		kN(tf)	29.4 (3.0)							
CLAMPING FORCE		kN(tf)	2745 (280)							
DISTANCE BETWEEN TIE RODS (H×V)		mm	730×660							
PLATEN DIMENSIONS (H×V)		mm	1030×960							
OPENING STROKE		mm	600							
OPEN DAYLIGHT (Max.)		mm	1350 (★1330) (★★1340)							
CLOSED DAYLIGHT (MIN.～MAX.MOLD)		mm	250～750 (★230～730) (★★240～740)							
EJECTION FORCE		kN(tf)	59 (6.0)							
EJECTOR STROKE		mm	150							
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	15.3		15.9	22.4			26.4	
	200V SPEC		12.6		13.1	18.0			21.0	
APPARENT POWER	Semi-High Speed	kVA	55.6			56.8				
	STD		37.5			-				
	High Speed		76.2			97.7				
MAIN BREAKER CAPACITY	Semi-High Speed	A	125			175				
	STD		125			-				
	High Speed		175			225				
SHORT-CIRCUIT CURRENT RATING	Semi-High Speed	kA	36/18			36/18				
	STD		36/18			-				
	High Speed		36/18			36/18				
POWER	Semi-High Speed	kW	41.2			46.7				
	STD		41.2			-				
	High Speed		40.6			51.7				
MACHINE DIMENSIONS (L×W×H)		m	6.7×2.0×■2.2		6.8×2.0×■2.2	6.8×2.0×■2.2			7.0×2.0×■2.2	
MACHINE WEIGHT		t	12.5			13.8				

MODEL EC280SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 425(H)×390(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10 ㎜) are attached. Values marked with ★★ vary with optional insulating plates (5 ㎜) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 :1MPa=10.2kgf/cm^2 ,1kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC350SXⅢ											
INJECTION UNIT CODE			i10			i17					i26			
BARREL CODE			Y	A	B	Y	AT		BH	B	AT		B	
							STD	HIGH TORQUE			STD	HIGH TORQUE	STD	HIGH TORQUE
SCREW DIAMETER		mm	45	50	55	50	60		65	70	70		80	
INJECTION VOLUME CALCULATED		cm^3	397	490	593	589	848		995	1155	1340		1750	
SHOT WEIGHT	PS	g	365	450	545	542	780		915	1062	1230		1610	
	PE		289	357	432	430	619		726	842	980		1280	
INJECTION PRESSURE		MPa	247	200	165	288	200		170	147	190		145	
		kgf/cm^2	2510	2040	1680	2930	2040		1730	1490	1930		1470	
HOLDING PRESSURE		MPa	247	200	165	288	200		170	147	160		122	
		kgf/cm^2	2510	2040	1680	2930	2040		1730	1490	1630		1240	
INJECTION SPEED	STD	mm/s	160			160					160			
INJECTION RATE (MAX)		cm^3/s	254	314	380	314	452		530	616	615		804	
INJECTION SPEED	Semi-High Speed	mm/s	250			-					-			
INJECTION RATE (MAX)		cm^3/s	397	490	593	-	-		-	-	-		-	
INJECTION SPEED	High Speed	mm/s	350			300					-			
INJECTION RATE (MAX)		cm^3/s	556	687	831	589	848		995	1155	-		-	
PLASTICIZING CAPACITY	PS	kg/h	120	160	190	160	230	190	250	270	260	170	340	230
MAXIMUM SCREW SPEED		min^{-1}	285	255	230	255	220	180	195	180	180	120	170	120
SCREW TORQUE		N-m	1058	1421	1421	1421	2367	2900	2367	2367	2580	3310	2580	3310
SCREW STROKE		mm	250			300					350			
NOZZLE TOUCH FORCE		kN(tf)	29.4 (3.0)								44.1 (4.5)			
CLAMPING FORCE		kN(tf)	3430 (350)											
DISTANCE BETWEEN TIE RODS (H×V)		mm	820×740											
PLATEN DIMENSIONS (H×V)		mm	1110×1030											
OPENING STROKE		mm	650											
OPEN DAYLIGHT (Max.)		mm	1470 (★1450) (★★1460)											
CLOSED DAYLIGHT (MIN.～MAX.MOLD)		mm	300～820 (★280～800) (★★290～810)											
EJECTION FORCE		kN(tf)	59 (6.0)											
EJECTOR STROKE		mm	150											
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	15.3		15.9	22.4			26.4		22.3		26.5	
	200V SPEC		12.6		13.1	18.6			21.8		18.5		20.0	
APPARENT POWER	Semi-High Speed	kVA	55.6			56.8					74.7			
	STD		37.5			-					-			
	High Speed		76.2			97.7					-			
MAIN BREAKER CAPACITY	Semi-High Speed	A	125			175					200			
	STD		125			-					-			
	High Speed		175			225					-			
SHORT-CIRCUIT CURRENT RATING	Semi-High Speed	kA	36/18			36/18					36/18			
	STD		36/18			-					-			
	High Speed		36/18			36/18					-			
POWER	Semi-High Speed	kW	41.2			46.7					82.3			
	STD		41.2			-					-			
	High Speed		40.6			51.7					-			
MACHINE DIMENSIONS (L×W×H)		m	7.2×2.1×■2.2			7.2×2.1×■2.2			7.3×2.1×■2.2		7.4×2.1×■2.2		7.6×2.1×■2.2	
MACHINE WEIGHT		t	15.3			16.5					17.5			

MODEL EC350SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 470(H)×430(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10mm) are attached. Values marked with ★★ vary with optional insulating plates (5mm) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 :1MPa=10.2kgf/cm^2 ,1kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC450SXⅢ													
INJECTION UNIT CODE			i17					i26				i36				
BARREL CODE			Y	AT		BH	B	AT		B		AT		B	
				STD	HIGH TORQUE			STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE
SCREW DIAMETER		mm	50	60		65	70	70		80		80		90	
INJECTION VOLUME CALCULATED		cm^3	589	848		995	1155	1340		1750		1880		2380	
SHOT WEIGHT	PS	g	542	780		915	1062	1230		1610		1730		2190	
	PE		430	619		726	842	980		1280		1370		1740	
INJECTION PRESSURE		MPa	288	200		170	147	190		145		190		150	
		kgf/cm^2	2930	2040		1730	1490	1930		1470		1930		1530	
HOLDING PRESSURE		MPa	288	200		170	147	160		122		160		126	
		kgf/cm^2	2930	2040		1730	1490	1630		1240		1630		1280	
INJECTION SPEED	STD	mm/s	160					160				140			
INJECTION RATE (MAX.)		cm^3/s	314	452		530	616	615		804		704		891	
INJECTION SPEED	High Speed	mm/s	300					-				-			
INJECTION RATE (MAX.)		cm^3/s	589	848		995	1155	-		-		-		-	
PLASTICIZING CAPACITY	PS	kg/h	160	230	190	250	270	260	170	340	230	340	220	400	280
MAXIMUM SCREW SPEED		min^{-1}	255	220	180	195	180	180	120	170	120	170	115	150	115
SCREW TORQUE		N-m	1421	2367	2900	2367	2367	2580	3310	2580	3310	3310	4610	3310	4610
SCREW STROKE		mm	300					350				375			
NOZZLE TOUCH FORCE		kN(tf)	29.4 (3.0)					44.1 (4.5)				58.8 (6.0)			
CLAMPING FORCE		kN(tf)	4410 (450)												
DISTANCE BETWEEN TIE RODS (H×V)		mm	870×810												
PLATEN DIMENSIONS (H×V)		mm	1230×1160												
OPENING STROKE		mm	800												
OPEN DAYLIGHT (MAX.)		mm	1800 (★1780) (★★1790)												
CLOSED DAYLIGHT (MIN.～MAX.MOLD)		mm	350～1000 (★330～980) (★★340～990)												
EJECTION FORCE		kN(tf)	127 (13.0)												
EJECTOR STROKE		mm	180												
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	22.4			26.4		22.3		26.5		29.7		34.2	
	200V SPEC		18.6			21.8		18.5		20.0		24.9		28.7	
APPARENT POWER	STD	kVA	71.8					78.3				85.0			
	High Speed		98.4					-				-			
MAIN BREAKER CAPACITY	STD	A	175					200				200			
	High Speed		225					-				-			
MACHINE DIMENSIONS (L×W×H)		m	8.1×2.2×■2.2					8.1×2.2×■2.2				8.4×2.2×■2.4		8.6×2.2×■2.4	
MACHINE WEIGHT		t	21.7					22.5				23.9			

MODEL EC450SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 500(H) ×500(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10 ㎜) are attached. Values marked with ★★ vary with optional insulating plates (5 ㎜) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1 MPa=10.2kgf/cm² , 1 kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC550SXⅢ													
INJECTION UNIT CODE			i17					i26				i36				
BARREL CODE			Y	AT		BH	B	AT		B		AT		B	
				STD	HIGH TORQUE			STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE
SCREW DIAMETER		mm	50	60		65	70	70		80		80		90	
INJECTION VOLUME CALCULATED		cm^3	589	848		995	1155	1340		1750		1880		2380	
SHOT WEIGHT	PS	g	542	780		915	1062	1230		1610		1730		2190	
	PE		430	619		726	842	980		1280		1370		1740	
INJECTION PRESSURE		MPa	288	200		170	147	190		145		190		150	
		kgf/cm^2	2930	2040		1730	1490	1930		1470		1930		1530	
HOLDING PRESSURE		MPa	288	200		170	147	160		122		160		126	
		kgf/cm^2	2930	2040		1730	1490	1630		1240		1630		1280	
INJECTION SPEED	STD	mm/s	160					160				140			
INJECTION RATE (MAX.)		cm^3/s	314	452		530	616	615		804		704		891	
INJECTION SPEED	High Speed	mm/s	300					-				-			
INJECTION RATE (MAX.)		cm^3/s	589	848		995	1155	-	-	-	-	-	-	-	-
PLASTICIZING CAPACITY	PS	kg/h	160	230	190	250	270	260	170	340	230	340	220	400	280
MAXIMUM SCREW SPEED		min^{-1}	255	220	180	195	180	180	120	170	120	170	115	150	115
SCREW TORQUE		N-m	1421	2367	2900	2367	2367	2580	3310	2580	3310	3310	4610	3310	4610
SCREW STROKE		mm	300					350				375			
NOZZLE TOUCH FORCE		kN(tf)	29.4 (3.0)					44.1 (4.5)				58.8 (6.0)			
CLAMPING FORCE		kN(tf)	5393 (550)												
DISTANCE BETWEEN TIE RODS (H×V)		mm	970×910												
PLATEN DIMENSIONS (H×V)		mm	1365×1300												
OPENING STROKE		mm	900												
OPEN DAYLIGHT (MAX.)		mm	1900 (★1880) (★★1890)												
CLOSED DAYLIGHT (MIN.～MAX.MOLD)		mm	400～1000 (★380～980) (★★390～990)												
EJECTION FORCE		kN(tf)	127 (13.0)												
EJECTOR STROKE		mm	180												
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	22.5			26.5		22.3		26.5		29.8		34.3	
	200V SPEC		18.7			21.9		18.5		20.0		24.9		28.7	
APPARENT POWER	STD	kVA	71.8					72.4				83.8			
	High Speed		98.4					-				-			
MAIN BREAKER CAPACITY	STD	A	175					200				200			
	High Speed		225					-				-			
MACHINE DIMENSIONS (L×W×H)		m	8.4×2.3×■2.4					8.4×2.3×■2.4				8.7×2.3×■2.4		8.9×2.4×■2.4	
MACHINE WEIGHT		t	26.3					27.1				28.5			

MODEL EC550SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 565(H) ×535(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10 ㎜) are attached. Values marked with ★★ vary with optional insulating plates (5 ㎜) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1 MPa=10.2kgf/cm² , 1 kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC650SXⅢ							
INJECTION UNIT CODE			i61				i78			
BARREL CODE			A		B		A		B	
			STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE
SCREW DIAMETER		mm	95		105		105		120	
INJECTION VOLUME CALCULATED		cm^3	3150		3850		4320		5650	
SHOT WEIGHT	PS	g	2900		3540		3980		5200	
	PE		2300		2810		3160		4120	
INJECTION PRESSURE		MPa	180		147		180		138	
		kgf/cm^2	1830		1500		1830		1400	
HOLDING PRESSURE		MPa	150		123		150		115	
		kgf/cm^2	1530		1255		1530		1170	
INJECTION SPEED	STD	mm/s	150				150			
INJECTION RATE (MAX.)		cm^3/s	1060		1290		1290		1690	
PLASTICIZING CAPACITY	PS	kg/h	420	290	490	370	490	270	580	370
MAXIMUM SCREW SPEED		min^{-1}	140	95	127	95	127	71	110	71
SCREW TORQUE		N-m	5500	7090	5500	7090	7090	10300	7090	10300
SCREW STROKE		mm	445				500			
NOZZLE TOUCH FORCE		kN(tf)	58.8 (6.0)				58.8 (6.0)			
CLAMPING FORCE		kN(tf)	6370 (650)							
DISTANCE BETWEEN TIE RODS (H×V)		mm	1060×960							
PLATEN DIMENSIONS (H×V)		mm	1500×1400							
OPENING STROKE		mm	1000							
OPEN DAYLIGHT (MAX.)		mm	2050 (★2030)							
CLOSED DAYLIGHT (MIN.～MAX. MOLD)		mm	450～1050 (★430～1030)							
EJECTION FORCE		kN(tf)	177 (18.0)							
EJECTOR STROKE		mm	200							
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	44.4				57.2			
	200V SPEC		37.1				47.6			
APPARENT POWER	STD	kVA	115				141			
MAIN BREAKER CAPACITY	STD	A	300				350			
MACHINE DIMENSIONS (L×W×H)		m	10.1×2.5×■2.6				10.4×2.5×■2.7		10.7×2.5×■2.7	
MACHINE WEIGHT		t	40.0				41.5			

MODEL EC650SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 660(H) ×610(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1MPa=10.2kgf/cm^2 ,1kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC850SXⅢ							
INJECTION UNIT CODE			i61				i78			
BARREL CODE			A		B		A		B	
			STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE
SCREW DIAMETER		mm	95		105		105		120	
INJECTION VOLUME CALCULATED		cm^3	3150		3850		4320		5650	
SHOT WEIGHT	PS	g	2900		3540		3980		5200	
	PE		2300		2810		3160		4120	
INJECTION PRESSURE		MPa	180		147		180		138	
		kgf/cm^2	1830		1500		1830		1400	
HOLDING PRESSURE		MPa	150		123		150		115	
		kgf/cm^2	1530		1255		1530		1170	
INJECTION SPEED	STD	mm/s	150				150			
INJECTION RATE (MAX.)		cm^3/s	1060		1290		1290		1690	
PLASTICIZING CAPACITY	PS	kg/h	420	290	490	370	490	270	580	370
MAXIMUM SCREW SPEED		min^{-1}	140	95	127	95	127	71	110	71
SCREW TORQUE		N-m	5500	7090	5500	7090	7090	10300	7090	10300
SCREW STROKE		mm	445				500			
NOZZLE TOUCH FORCE		kN(tf)	58.8 (6.0)				58.8 (6.0)			
CLAMPING FORCE		kN(tf)	8330 (850)							
DISTANCE BETWEEN TIE RODS (H×V)		mm	1320×1320							
PLATEN DIMENSIONS (H×V)		mm	1790×1790							
OPENING STROKE		mm	1200							
OPEN DAYLIGHT (MAX.)		mm	2300 (★2280)							
CLOSED DAYLIGHT (MIN.～MAX. MOLD)		mm	500～1100 (★480～1080)							
EJECTION FORCE		kN(tf)	177 (18.0)							
EJECTOR STROKE		mm	200							
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	44.4				57.2			
	200V SPEC		37.1				47.6			
APPARENT POWER	STD	kVA	115				141			
MAIN BREAKER CAPACITY	STD	A	300				350			
MACHINE DIMENSIONS (L×W×H)		m	11.0×2.9×■2.7				11.0×2.9×■2.8		11.3×2.9×■2.8	
MACHINE WEIGHT		t	52.1				53.6			

MODEL EC850SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 795(H) ×795(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1MPa=10.2kgf/cm^2 ,1kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC1000SXⅢ							
INJECTION UNIT CODE			i61				i78			
BARREL CODE			A		B		A		B	
			STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE
SCREW DIAMETER		mm	95		105		105		120	
INJECTION VOLUME CALCULATED		cm^3	3150		3850		4320		5650	
SHOT WEIGHT	PS	g	2900		3540		3980		5200	
	PE		2300		2810		3160		4120	
INJECTION PRESSURE		MPa	180		147		180		138	
		kgf/cm^2	1830		1500		1830		1400	
HOLDING PRESSURE		MPa	150		123		150		115	
		kgf/cm^2	1530		1255		1530		1170	
INJECTION SPEED	STD	mm/s	150				150			
INJECTION RATE (MAX.)		cm^3/s	1060		1290		1290		1690	
PLASTICIZING CAPACITY	PS	kg/h	420	290	490	370	490	270	580	370
MAXIMUM SCREW SPEED		min^{-1}	140	95	127	95	127	71	110	71
SCREW TORQUE		N-m	5500	7090	5500	7090	7090	10300	7090	10300
SCREW STROKE		mm	445				500			
NOZZLE TOUCH FORCE		kN(tf)	58.8 (6.0)				58.8 (6.0)			
CLAMPING FORCE		kN(tf)	9800 (1000)							
DISTANCE BETWEEN TIE RODS (H×V)		mm	1300×1300							
PLATEN DIMENSIONS (H×V)		mm	1790×1790							
OPENING STROKE		mm	1200							
OPEN DAYLIGHT (MAX.)		mm	2300 (★2280)							
CLOSED DAYLIGHT (MIN.～MAX. MOLD)		mm	500～1100 (★480～1080)							
EJECTION FORCE		kN(tf)	177 (18.0)							
EJECTOR STROKE		mm	200							
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	44.4				57.2			
	200V SPEC		37.1				47.6			
APPARENT POWER	STD	kVA	115.0				140.7			
MAIN BREAKER CAPACITY	STD	A	250				300			
MACHINE DIMENSIONS (L×W×H)		m	11.0×2.9×■2.7				11.0×2.9×■2.8		11.3×2.9×■2.8	
MACHINE WEIGHT		t	54.7				56.2			

MODEL EC1000SXⅢ

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 880(H) ×880(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1MPa=10.2kgf/cm^2 ,1kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC1300SXⅢ											
INJECTION UNIT CODE			i78				i120				i155			
BARREL CODE			A		B		A		B		A		B	
			STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH PLASTICIZATION	STD	HIGH PLASTICIZATION
SCREW DIAMETER		mm	105		120		115		125		125		140	
INJECTION VOLUME CALCULATED		cm^3	4320		5650		6560		7750		8430		10570	
SHOT WEIGHT	PS	g	3980		5200		6040		7130		7750		9730	
	PE		3160		4120		4790		5660		6150		7720	
INJECTION PRESSURE		MPa	180		138		180		152		180		143	
		kgf/cm^2	1830		1400		1830		1550		1830		1450	
HOLDING PRESSURE		MPa	150		115		150		127		150		119	
		kgf/cm^2	1530		1170		1530		1295		1530		1210	
INJECTION SPEED	STD	mm/s	150				140				135			
INJECTION RATE (MAX.)	STD	cm^3/s	1290		1690		1450		1710		1650		2070	
PLASTICIZING CAPACITY	PS	kg/h	490	270	580	370	520	370	580	440	590	—	690	—
	PP+TALC	kg/h	—	—	—	—	—	—	—	—	—	640	—	800
MAXIMUM SCREW SPEED		min^{-1}	127	71	110	71	110	78	101	78	101	127	90	114
SCREW TORQUE		N-m	7090	10300	7090	10300	9150	13700	9150	13700	14500	9260	14500	11430
SCREW STROKE		mm	500				632.5				687.5			
NOZZLE TOUCH FORCE		kN(tf)	58.8 (6.0)				92.4 (9.4)				92.4 (9.4)			
CLAMPING FORCE		kN(tf)	12700 (1300)				12700 (1300)				12700 (1300)			
DISTANCE BETWEEN TIE RODS (H×V)		mm	1410×1410				1410×1410				1410×1410			
PLATEN DIMENSIONS (H×V)		mm	2000×2000				2000×2000				2000×2000			
OPENING STROKE		mm	1500				1500				1500			
OPEN DAYLIGHT (MAX.)		mm	2800 (★2780)				2800 (★2780)				2800 (★2780)			
CLOSED DAYLIGHT (MIN.～MAX. MOLD)		mm	650～1300 (★630～1280)				650～1300 (★630～1280)				650～1300 (★630～1280)			
EJECTION FORCE		kN(tf)	280 (28.5)				280 (28.5)				280 (28.5)			
EJECTOR STROKE		mm	250				250				250			
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	57.2				60.9		69.4		67.6		82.6	
	200V SPEC		47.6				50.2		57.3		56.2		68.2	
APPARENT POWER	STD	kVA	141.1				163				184			
MAIN BREAKER CAPACITY	STD	A	350				400				500			
MACHINE DIMENSIONS (L×W×H)		m	12.8×3.2×■3.1				12.8×3.2×■3.2				13.1×3.5×■3.3		13.4×3.5×■3.3	
MACHINE WEIGHT		t	82				89.4				110			

MODEL EC1300SXⅢ i78

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 820(H) ×820(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1MPa=10.2kgf/cm^2 , 1 kN=0.102tf

MODEL EC1300SXⅢ i120

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 820(H) ×820(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1MPa=10.2kgf/cm^2 ,1kN=0.102tf

MODEL EC1300SXⅢ i155

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 970(H) ×820(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10mm) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : The high plasticization specification values are for when a special screw for olefin resins such as PP is installed.
10: 1MPa=10.2kgf/cm^2 ,1kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC1300SXⅢW											
INJECTION UNIT CODE			i78				i120				i155			
BARREL CODE			A		B		A		B		A		B	
			STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH PLASTICIZATION	STD	HIGH PLASTICIZATION
SCREW DIAMETER		mm	105		120		115		125		125		140	
INJECTION VOLUME CALCULATED		cm^3	4320		5650		6560		7750		8430		10570	
SHOT WEIGHT	PS	g	3980		5200		6040		7130		7750		9730	
	PE	g	3160		4120		4790		5660		6150		7720	
INJECTION PRESSURE		MPa	180		138		180		152		180		143	
		kgf/cm^2	1830		1400		1830		1550		1830		1450	
HOLDING PRESSURE		MPa	150		115		150		127		150		119	
		kgf/cm^2	1530		1170		1530		1295		1530		1210	
INJECTION SPEED	STD	mm/s	150				140				135			
INJECTION RATE (MAX.)		cm^3/s	1290		1690		1450		1710		1650		2070	
PLASTICIZING CAPACITY	PS	kg/h	490	270	580	370	520	370	580	440	590	—	690	—
	PP+TALC		—	—	—	—	—	—	—	—	—	640	—	800
MAXIMUM SCREW SPEED		min^{-1}	127	71	110	71	110	78	101	78	101	127	90	114
SCREW TORQUE		N-m	7090	10300	7090	10300	9150	13700	9150	13700	14500	9260	14500	11430
SCREW STROKE		mm	500				632.5				687.5			
NOZZLE TOUCH FORCE		kN(tf)	58.8 (6.0)				92.4 (9.4)				92.4(9.4)			
CLAMPING FORCE		kN(tf)	12700(1300)				12700(1300)				12700(1300)			
DISTANCE BETWEEN TIE RODS (H×V)		mm	1710×1410				1710×1410				1710×1410			
PLATEN DIMENSIONS (H×V)		mm	2300×2000				2300×2000				2300×2000			
OPENING STROKE		mm	1500				1500				1500			
OPEN DAYLIGHT (MAX.)		mm	2800 (★2780)				2800 (★2780)				2800 (★2780)			
CLOSED DAYLIGHT (MIN.～MAX.MOLD)		mm	650～1300 (★630～1280)				650～1300 (★630～1280)				650～1300 (★630～1280)			
EJECTION FORCE		kN(tf)	280 (28.5)				280 (28.5)				280 (28.5)			
EJECTOR STROKE		mm	250				250				250			
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	57.2				60.9		69.4		67.6		82.6	
	200V SPEC		47.6				50.2		57.3		56.2		68.2	
APPARENT POWER	STD	kVA	141.1				163				184			
MAIN BREAKER CAPACITY	STD	A	350				400				500			
MACHINE DIMENSIONS (L×W×H)		m	12.8×3.5×■3.1				12.7×3.5×■3.1		12.8×3.5×■3.1		13.1×3.5×■3.3		13.4×3.5×■3.3	
MACHINE WEIGHT		t	88.9				95.9				110			

MODEL EC1300SXⅢW i78

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 970(H) ×820(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10 ㎜) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1MPa=10.2kgf/cm^2 , 1 kN=0.102tf

MODEL EC1300SXⅢW i120

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 970(H) ×820(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10 ㎜) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1MPa=10.2kgf/cm^2 , 1 kN=0.102tf

MODEL EC1300SXⅢW i155

Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 970(H) ×820(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.
6 : Values marked with ★ vary with optional insulating plates (10 ㎜) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : The high plasticization specification values are for when a special screw for olefin resins such as PP is installed.
10: 1MPa=10.2kgf/cm^2 , 1 kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC1600SXW				MODEL EC1800SX			
INJECTION UNIT CODE			i120		i155		i120		i155	
BARREL CODE			A	B	A	B	A	B	A	B
SCREW DIAMETER		mm	115	125	125	140	115	125	125	140
INJECTION VOLUME CALCULATED		cm^3	6560	7750	8430	10570	6560	7750	8430	10570
SHOT WEIGHT	PS	g	6040	7130	7755	9730	6040	7130	7755	9730
	PE	g	4790	5660	6150	7720	4790	5660	6150	7720
INJECTION PRESSURE		MPa	180	152	180	143	180	152	180	143
		kgf/cm^2	1830	1550	1830	1450	1830	1550	1830	1450
HOLDING PRESSURE		MPa	150	127	150	119	150	127	150	119
		kgf/cm^2	1530	1295	1530	1210	1530	1295	1530	1210
INJECTION SPEED		mm/s	140		135		140		135	
INJECTION RATE (MAX)		cm^3/s	1450	1710	1650	2070	1450	1710	1650	2070
PLASTICIZING CAPACITY	PS	kg/h	650	730	730	880	650	730	730	880
MAXIMUM SCREW SPEED		min^{-1}	110	127	127	114	110	101	127	114
SCREW TORQUE		N-m	8660	8660	9264	11430	8660	8660	9264	11430
SCREW STROKE		mm	632.5		687.5		632.5		687.5	
NOZZLE TOUCH FORCE		kN(tf)	92.2 (9.4)				92.2 (9.4)			
CLAMPING FORCE		kN(tf)	15700(1600)				17650(1800)			
DISTANCE BETWEEN TIE RODS (H×V)		mm	1850×1660				1850×1660			
PLATEN DIMENSIONS (H×V)		mm	2600×2350				2600×2350			
CLAMP STROKE		mm	1700				1700			
OPEN DAYLIGHT (MAX.)		mm	3200				3200			
CLOSED DAYLIGHT (MIN. MOLD)		mm	800～1500				800～1500			
EJECTION FORCE		kN(tf)	431 (44.0)				431 (44.0)			
EJECTOR STROKE		mm	300				300			
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	50.4	57.4	58.1	70.1	50.4	57.4	58.1	70.1
	200V SPEC		61.2	70.2	69.9	84.9	61.2	70.2	69.9	84.9
APPARENT POWER		kVA	165		185		165		185	
MAIN BRAKER CAPACITY		A	400		500		400		500	
MACHINE DIMENSIONS (L×W×H)		m	13.7x3.8x3.5		13.9x3.8x3.5		13.7x3.8x3.5		13.9x3.8x3.5	
MACHINE WEIGHT		t	132		137		132		137	

MODEL EC1600SXW

Note) 1 : Due to continuous improvements, specifications are subject to change.
2 : Shot weight and plasticizing capacity vary to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 1300(H) x 1180(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and forming condition. Please consult us for more details.
6 : 1MPa=10.2kfg/cm^2, 1kN=0.102tf

MODEL EC1800SX

Note) 1 : Due to continuous improvements, specifications are subject to change.
2 : Shot weight and plasticizing capacity vary to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 1300(H) x 1180(V). In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and forming condition. Please consult us for more details.
6 : 1MPa=10.2kfg/cm^2, 1kN=0.102tf

Major Specifications

ITEM		UNIT	MODEL EC2000SX			
INJECTION UNIT CODE			i120		i155	
BARREL CODE			A	B	A	B
SCREW DIAMETER		mm	115	125	125	140
INJECTION VOLUME CALCULATED		cm^3	6560	7750	8430	10570
SHOT WEIGHT	PS	g	6040	7130	7755	9730
	PE	g	4790	5660	6150	7720
INJECTION PRESSURE		MPa	180	152	180	143
		kgf/cm^2	1830	1550	1830	1450
HOLDING PRESSURE		MPa	150	127	150	119
		kgf/cm^2	1530	1295	1530	1210
INJECTION SPEED		mm/s	140		135	
INJECTION RATE (MAX)		cm^3/s	1450	1710	1650	2070
PLASTICIZING CAPACITY	PS	kg/h	650	730	730	880
MAXIMUM SCREW SPEED		min^{-1}	110	101	127	114
SCREW TORQUE		N-m	8660	8660	9264	11430
SCREW STROKE		mm	632.5		687.5	
NOZZLE TOUCH FORCE		kN(tf)	92.2（9.4）			
CLAMPING FORCE		kN(tf)	19610(2000)			
DISTANCE BETWEEN TIE RODS (H×V)		mm	1850×1660			
PLATEN DIMENSIONS (H×V)		mm	2600×2350			
CLAMP STROKE		mm	1700			
OPEN DAYLIGHT (MAX.)		mm	3200			
CLOSED DAYLIGHT (MIN. MOLD)		mm	800～1500			
EJECTION FORCE		kN(tf)	431（44.0）			
EJECTOR STROKE		mm	300			
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	50.4	57.4	58.1	70.1
	200V SPEC		61.2	70.2	69.9	84.9
APPARENT POWER		kVA	165		185	
MAIN BRAKER CAPACITY		A	400		500	
MACHINE DIMENSIONS（L×W×H）		m	13.7x3.8x3.6		13.9x3.8x3.6	
MACHINE WEIGHT		t	135		140	

MODEL EC200SX

Note) 1 : Due to continuous improvements, specifications are subject to change.
2 : Shot weight and plasticizing capacity vary to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure.
Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Min. mold dimensions are 1300(H) x 1180(V).
In case of max. clamping force, do not mount smaller mold than described above.
5 : High screw torque may be necessary depends on the type, class of resin and forming condition.
Please consult us for more details.
6 : 1MPa=10.2kfg/cm^2, 1kN=0.102tf

Major Specifications

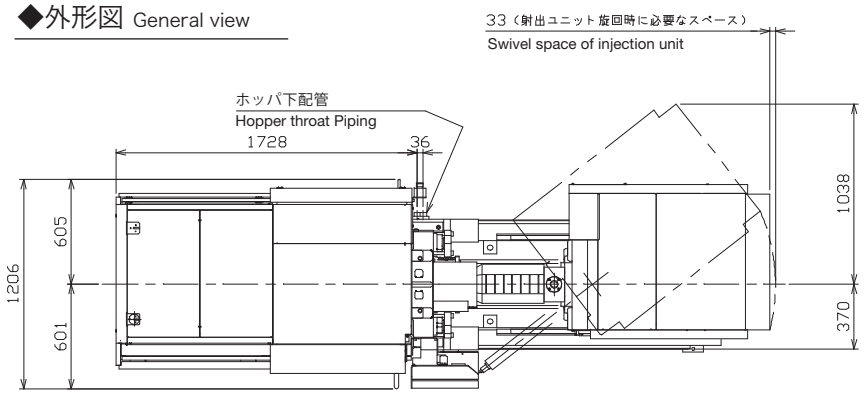
ITEM		UNIT	MODEL EC2500SXⅢ			
INJECTION UNIT CODE			i215			
BARREL CODE			AM	A	BHM	BH
			STD (for PP)	General Spec	STD(for PP)	General Spec
SCREW DIAMETER		mm	140		150	
INJECTION VOLUME CALCULATED		cm^3	11840		13600	
SHOT WEIGHT	PS	g	10890		12510	
	PE		8640		9790	
INJECTION PRESSURE		MPa	180		160	
		kgf/cm^2	1830		1630	
HOLDING PRESSURE		MPa	150		140	
		kgf/cm^2	1530		1430	
INJECTION SPEED	STD	mm/s	130			
INJECTION RATE (MAX)		cm^3/s	2000		2297	
PLASTICIZING CAPACITY	PS	kg/h	—	690	—	760
	PP+talc	kg/h	900	750	1050	820
MAXIMUM SCREW SPEED		min^{-1}	114	90	106	85
SCREW TORQUE		N-m	12700	15900	13800	17300
SCREW STROKE		mm	770			
NOZZLE TOUCH FORCE		kN(tf)	142 (14.5)			
CLAMPING FORCE		kN(tf)	24500 (2500)			
DISTANCE BETWEEN TIE RODS (H×V)		mm	2120×1820			
PLATEN DIMENSIONS (H×V)		mm	3000×2350			
OPENING STROKE		mm	1800			
OPEN DAYLIGHT (MAX.)		mm	3500			
CLOSED DAYLIGHT (MIN.～MAX.MOLD)		mm	800～1700			
EJECTION FORCE		kN(tf)	431 (44)			
EJECTOR STROKE		mm	350			
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	125	85	169	115
	200V SPEC		103	70	140	95
APPARENT POWER	STD	kVA	275			
MAIN BREAKER CAPACITY	STD	A	700			
MACHINE DIMENSIONS (L×W×H)		m	16.3×4.6×3.9■		16.6×4.6×3.9■	
MACHINE WEIGHT		t	200			

MODEL EC2500SXⅢ

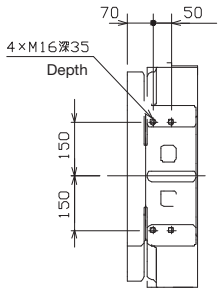
Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
3 : Max. injection pressure and max. holding pressure are power of injection unit, not resin pressure. Max. injection pressure and max. holding pressure are limited according to molding conditions.
4 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
5 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
6 : 1MPa=10.2kgf/cm^2 , 1 kN=0.102tf

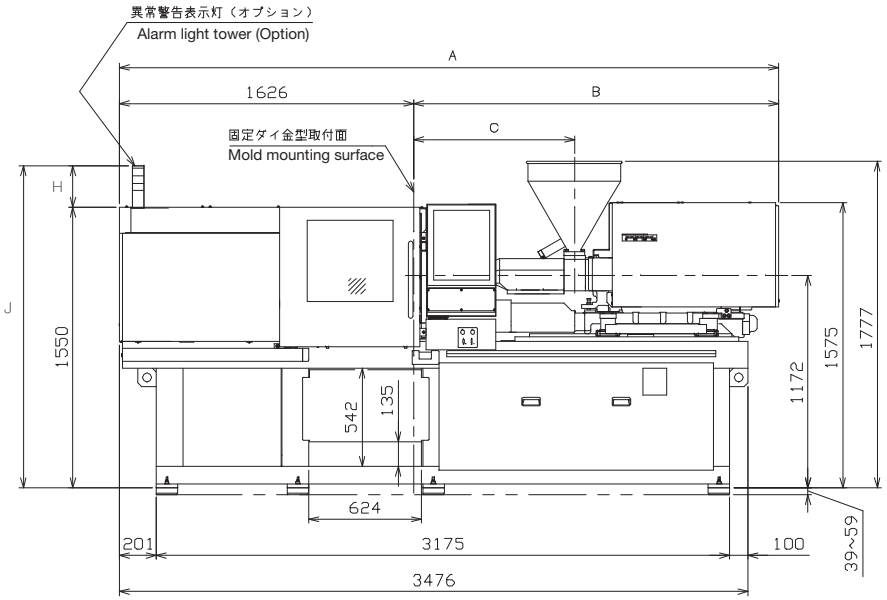
EC50SXⅢ

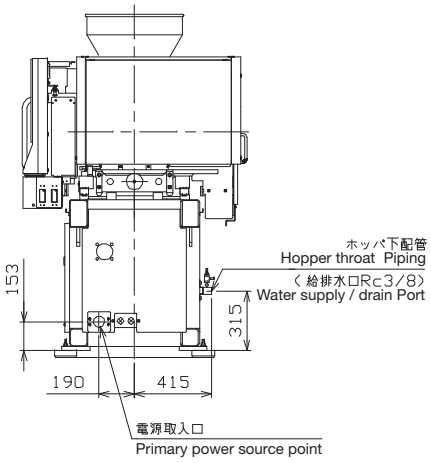
◆外形図 General view



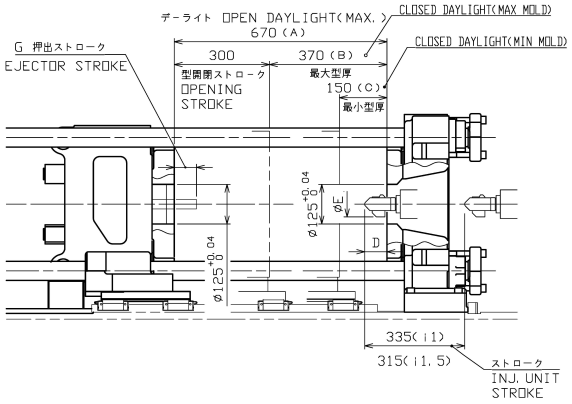
◆取出機取付部 Take-out robot mounting surface

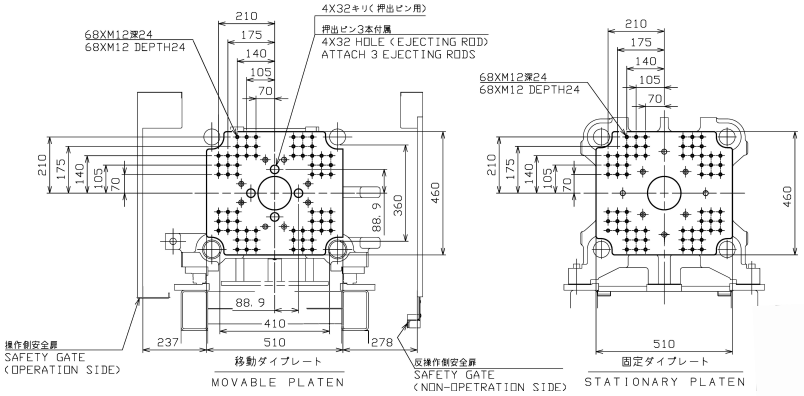






◆金型取付関係図 Mold mounting space





射出ユニット Injection Unit	A	B	C
i1.5A,Y	3817	2191	951

異常警告表示灯(オプション) Alarm light tower (Option)		
段数 Number of stages	H	J
1	146	1696
3	228	1778

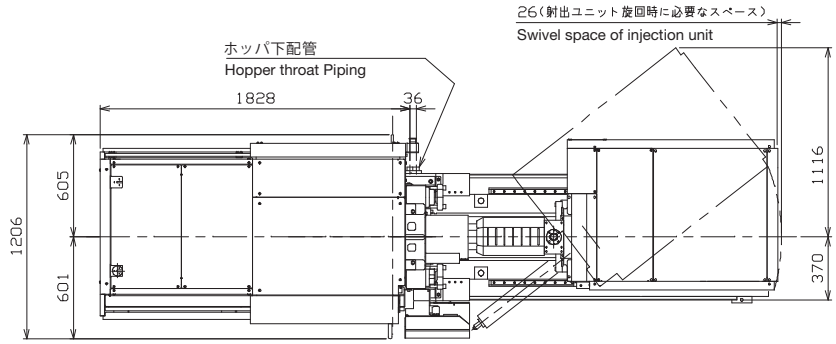
ノズル突出量（D） NOZZLE PROJECTION		
≀i1.5A	標準（STD）	20
	選択仕様（OPTION）	55
		90

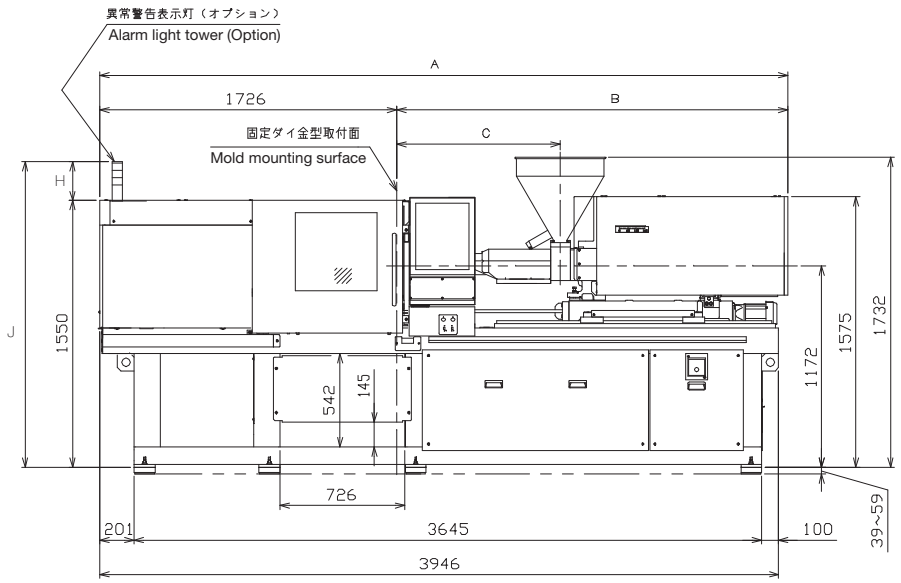
ノズルヒータ外径（E） OUTSIDE DIAMETER OF NOZZLE HEATER	
≀i1.5A	36.7

押出ストローク（G） EJECTOR STROKE	
標準（STD）	70
選択仕様（OPTION）	100

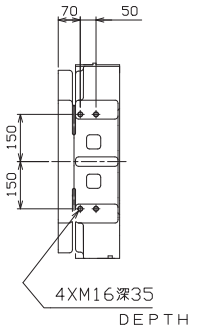
EC75SXⅢ

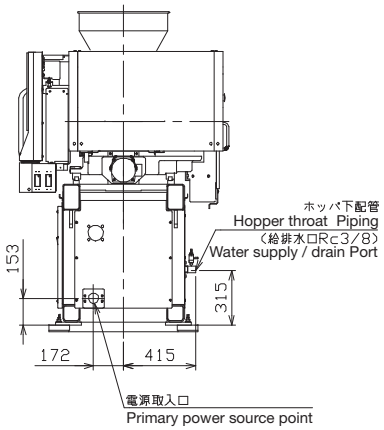
◆外形図 General view



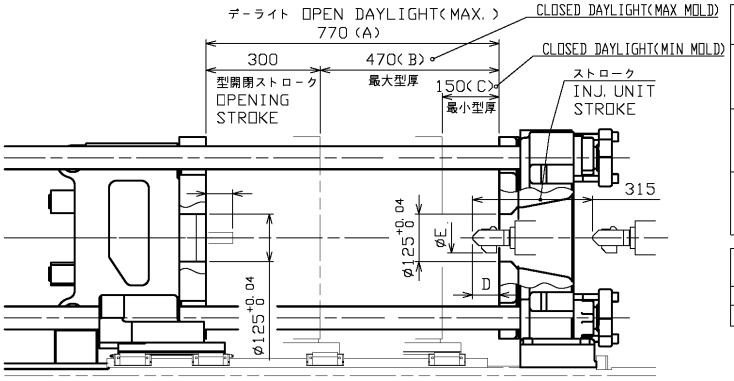


◆取出機取付部 Take-out robot mounting surface





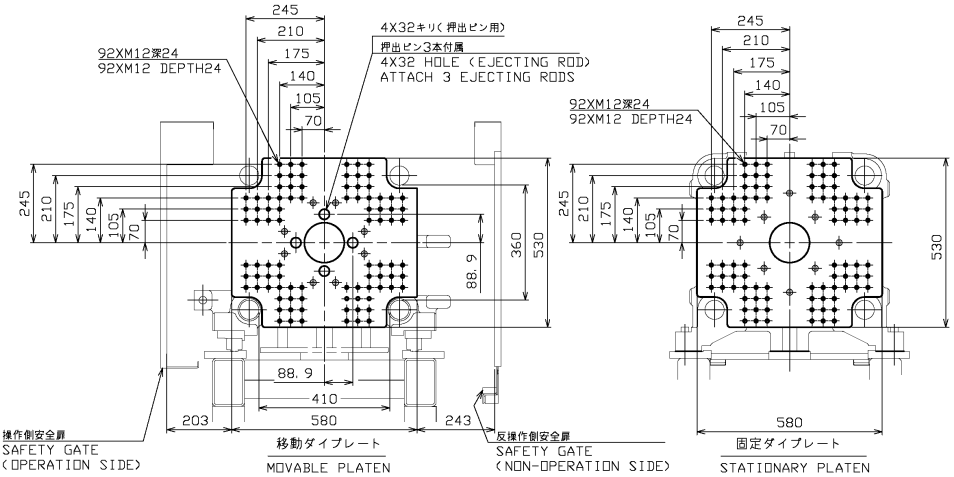
◆金型取付関係図 Mold mounting space



ノズル突出量 (D) NOZZLE PROJECTION		
i1.5B~i2Y	標準 (STD)	20
	選択仕様	55
	(OPTION)	90
i2Y	標準 (STD)	30
	選択仕様	65
	(OPTION)	100
i2A~	標準 (STD)	65
	選択仕様	100
	(OPTION)	135

ノズルヒータ外径 (E) OUTSIDE DIAMETER OF NOZZLE HEATER	
i1.5B~i2Y	36.7
i2A~	80

押出ストローク (G) EJECTOR STROKE	
標準 (STD)	70
選択仕様(OPTION)	100

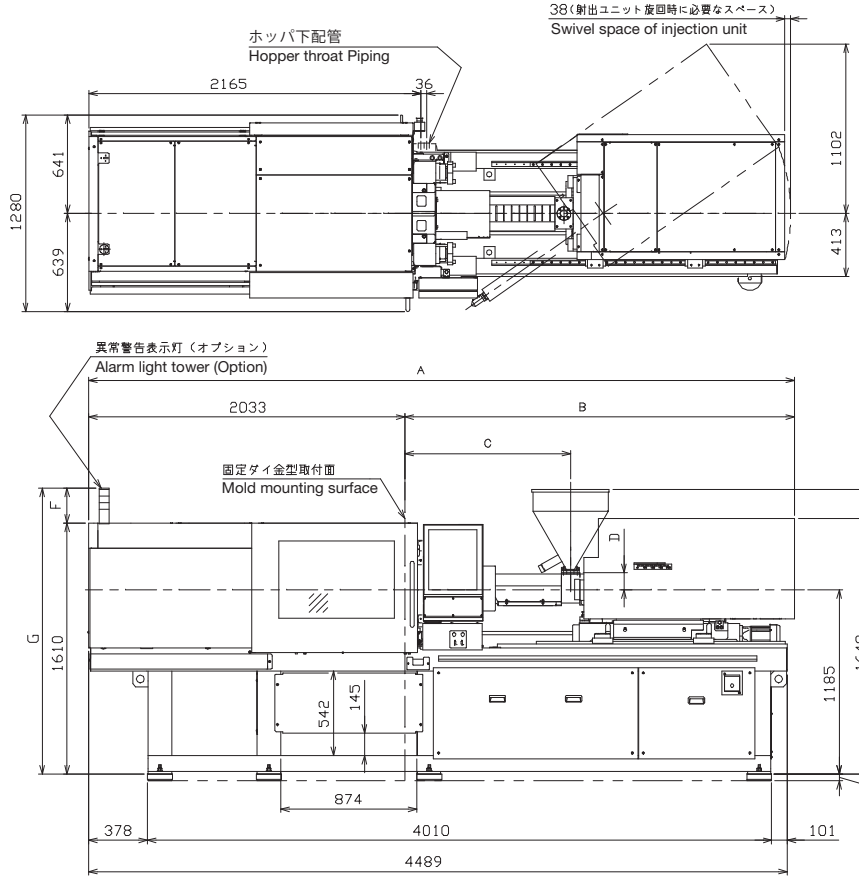


射出ユニット Injection Unit	A	B	C
i2A,Y	4079	2353	1033
i2B	4159	2433	1113

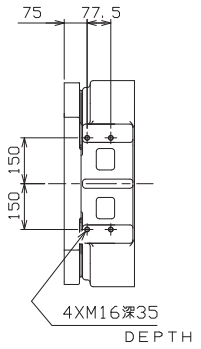
異常警告表示灯(オプション) Alarm light tower (Option)		
段数 Number of stages	H	J
1	146	1696
3	228	1778

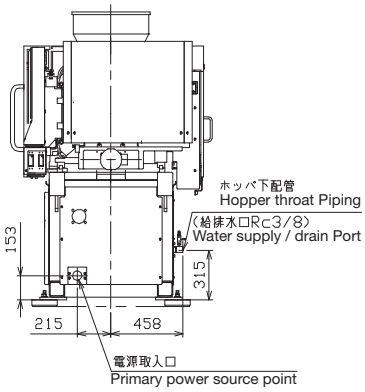
EC100SXⅢ

◆外形図 General view

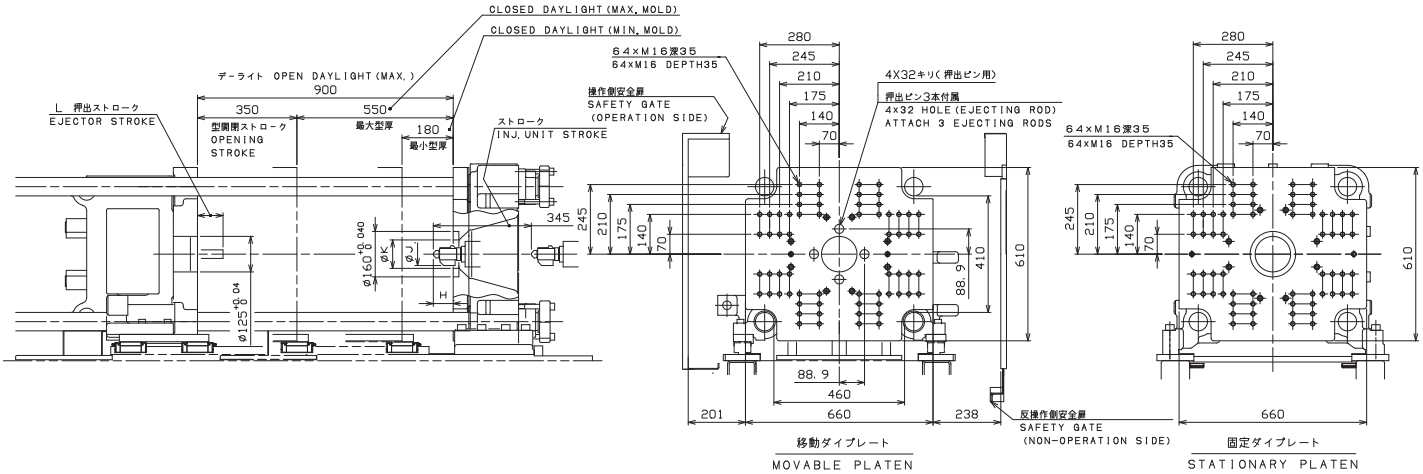


◆取出機取付部 Take-out robot mounting surface





◆金型取付関係図 Mold mounting space



射出ユニット Injection Unit	A	B	C	D	E
i2A,Y	4536	2503	1063	110	1917
i2B	4616	2583	1143	110	1917
i4A,Y	4797	2764	1249	100	1862
i4B	4901	2868	1353	100	1862

異常警告表示灯(オプション) Alarm light tower (Option)		
段数 Number of stages	F	G
1	144	1754
3	226	1836

ノズル突出量(H) NOZZLE PROJECTION		
↑2Y	標準(STD)	30
	選択仕様(OPTION)	65
		100
↑2A ～	標準(STD)	65
	選択仕様(OPTION)	100
		135

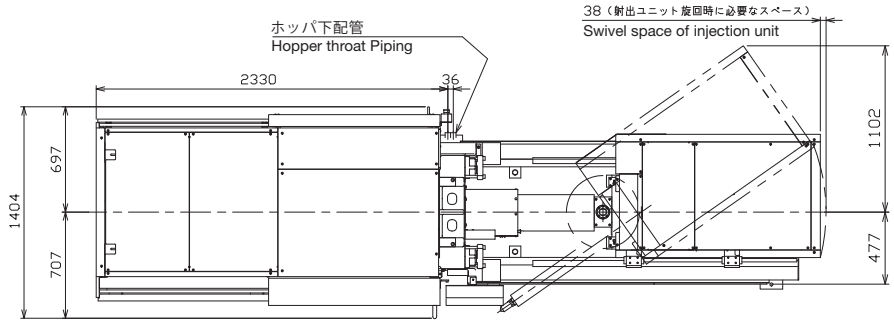
ノズルヒータ外径(J) OUTSIDE DIAMETER OF NOZZLE HEATER	
↑2Y	36.7
↑2A ～	80

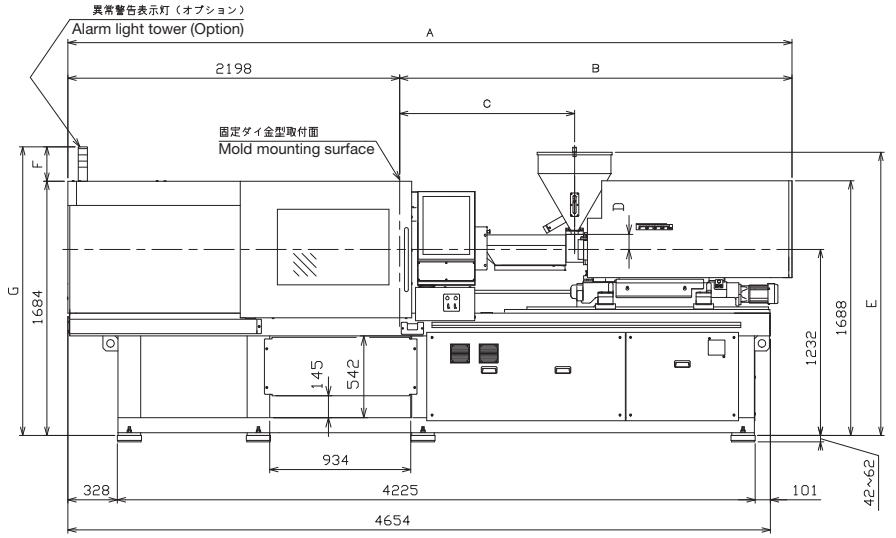
ロケート穴径(K) LOCATING RING HOLE DIAMETER	
標準(STD)	$\phi125^{+0.040}_{0}$
選択仕様(OPTION)	$\phi100^{+0.035}_{0}$
	$\phi120^{+0.040}_{0}$

押出ストローク(L) EJECTOR STROKE	
標準(STD)	90
選択仕様(OPTION)	120

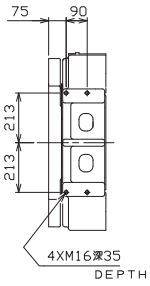
EC130SXⅢ

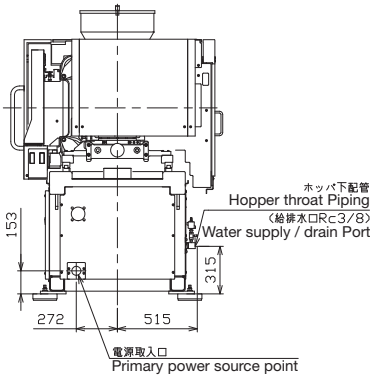
◆外形図 General view



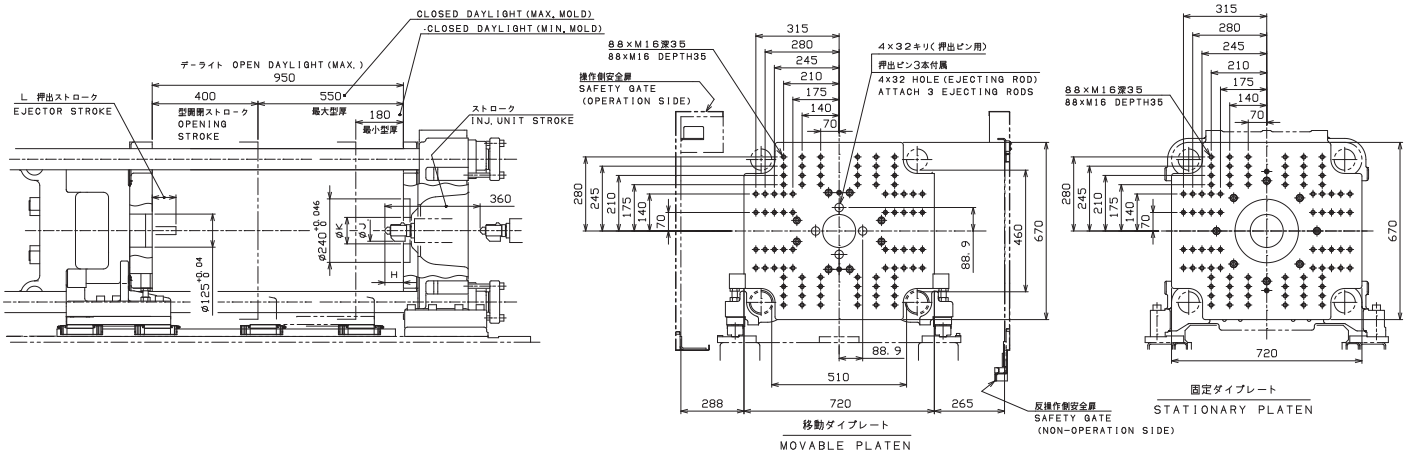


◆取出機取付部 Take-out robot mounting surface





◆金型取付関係図 Mold mounting space



射出ユニット Injection Unit	A	B	C	D	E
i4A,Y	4977	2779	1264	100	1909
i4B	5081	2883	1368	100	1909

異常警告表示灯（オプション） Alarm light tower (Option)		
段数 Number of stages	F	G
1	146	1830
3	228	1912

ノズル突出量（H） NOZZLE PROJECTION		
i3A ～	標準（STD）	65
	選択仕様（OPTION）	100
		135

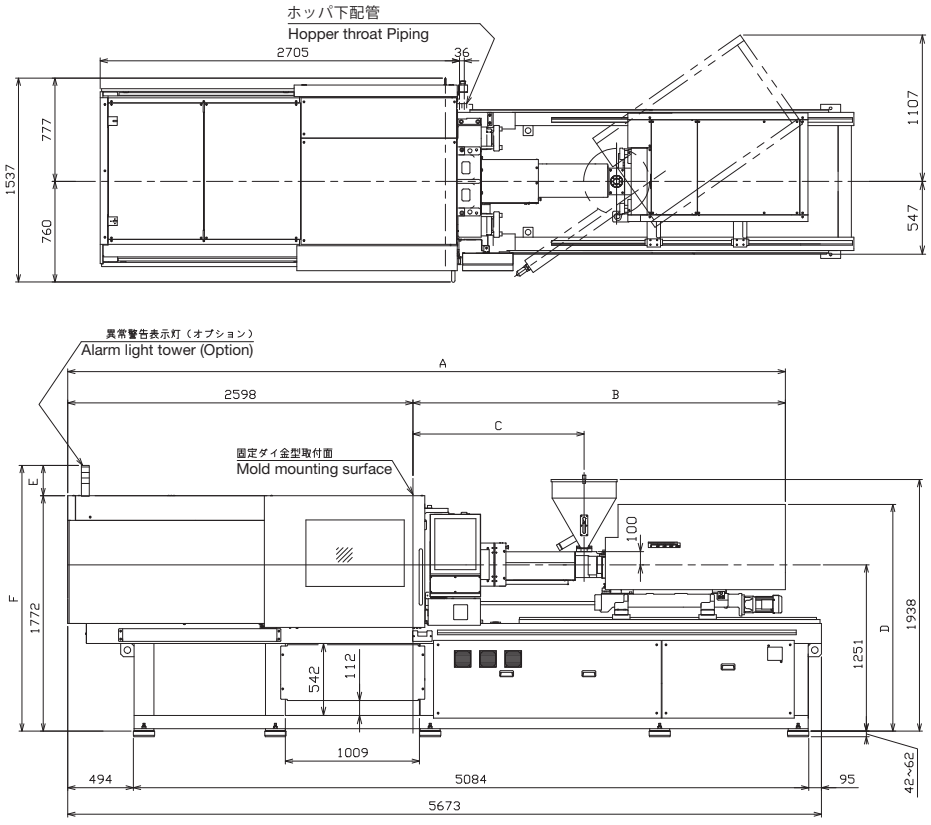
ノズルヒータ外径（J） OUTSIDE DIAMETER OF NOZZLE HEATER	
i3A ～	80

ロケート穴径（K） LOCATING RING HOLE DIAMETER	
標準（STD）	ø125 +0.040 0
選択仕様（OPTION）	ø100 +0.035 0
	ø120 +0.040 0
	ø160 +0.040 0

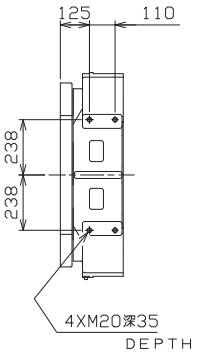
押出ストローク（L） EJECTOR STROKE	
標準（STD）	90
選択仕様（OPTION）	120

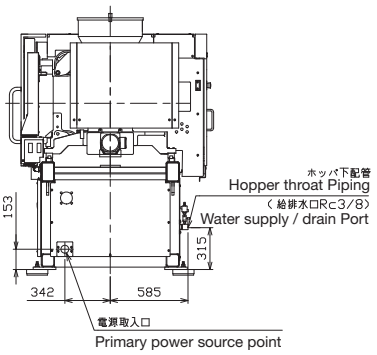
EC180SXⅢ

◆外形図 General view

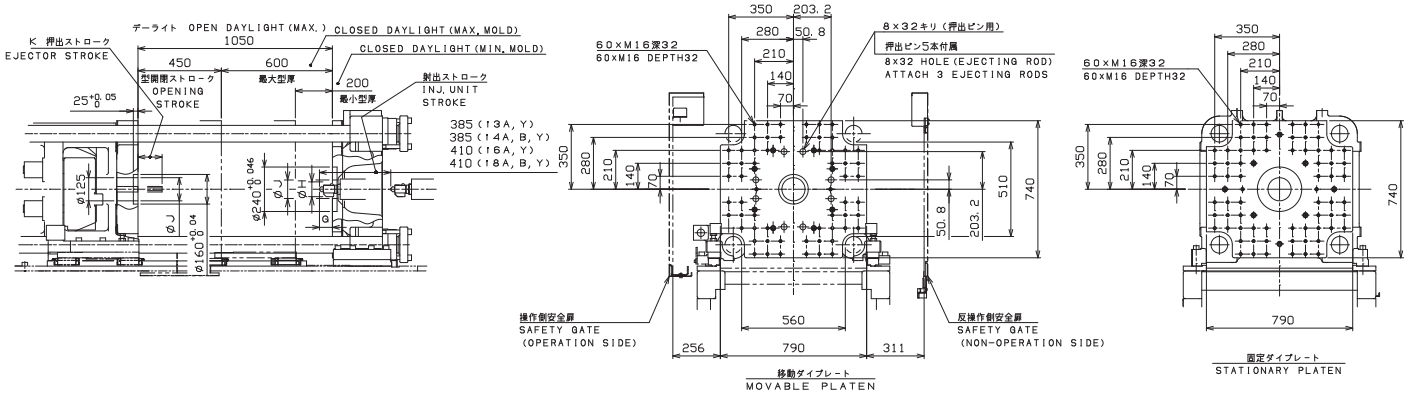


◆取出機取付部 Take-out robot mounting surface





◆金型取付関係図 Mold mounting space



射出ユニット Injection Unit	A	B	C	D
i4A,Y	5402	2804	1289	1707
i4B	5506	2908	1393	1707
i8A,Y	5958	3360	1527	1791
i8B	6062	3464	1631	1791

異常警告表示灯(オプション) Alarm light tower (Option)		
段数 Number of stages	E	F
1	146	1918
3	228	2000

ノズル突出量（G） NOZZLE PROJECTION		
13A ～	標準（STD）	65
	選択仕様（OPTION）	100
		135

ノズルヒータ外径（H） OUTSIDE DIAMETER OF NOZZLE HEATER	
13A ～	80

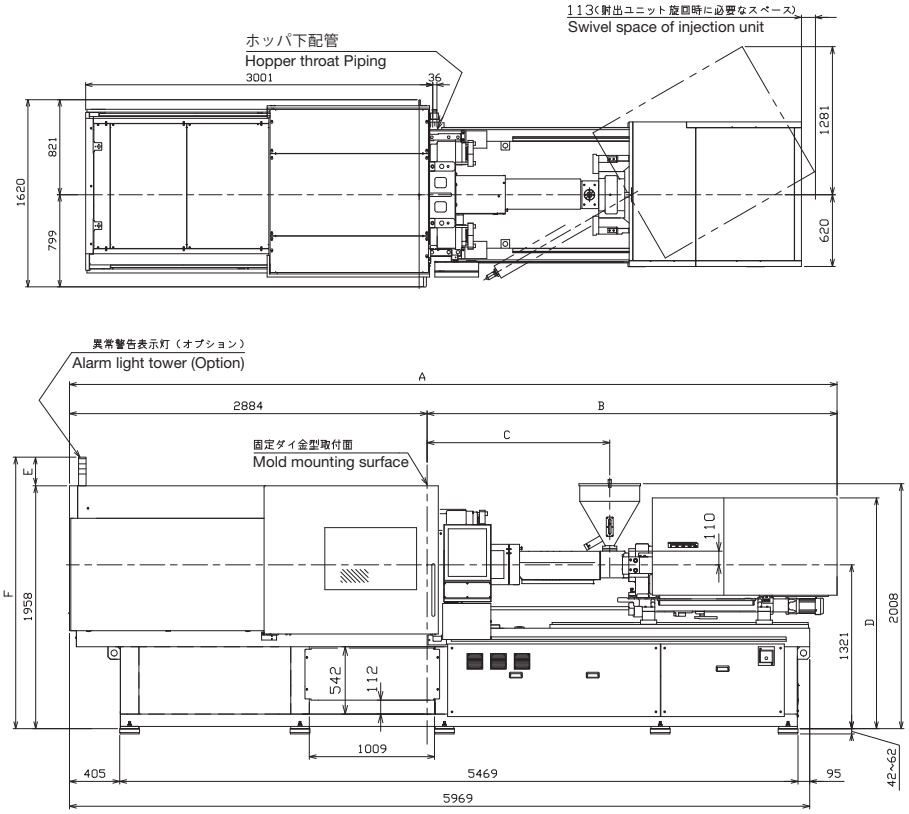
ロケート穴径（J） LOCATING RING HOLE DIAMETER	
標準（STD）	φ125 +0.040 0
選択仕様（OPTION）	φ100 +0.035 0
	φ120 +0.040 0
	φ160 +0.040 0

φ160の場合，移動ダイ側はロケートリング無しとなります。
IN CASE OF φ160 DIAMETER HOLE, MACHINE WILL NOT HAVE LOCATE RING ON MOVABLE SIDE.

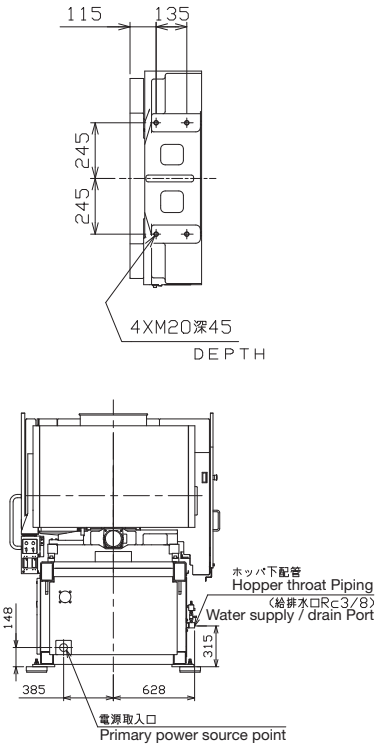
押出ストローク（K） EJECTOR STROKE	
標準（STD）	130
選択仕様（OPTION）	180

EC230SXⅢ

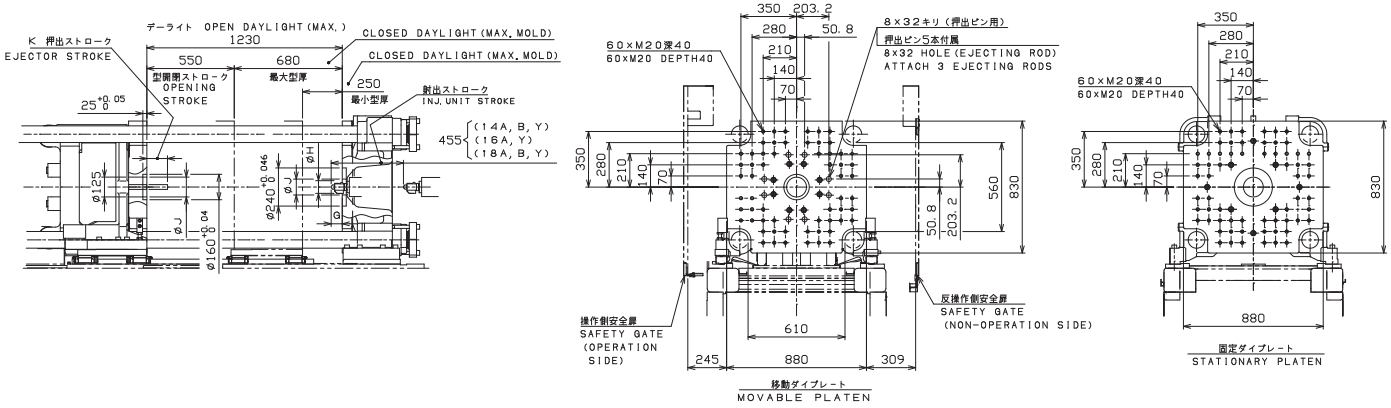
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



射出ユニット Injection Unit	A	B	C	D
i4A,Y	5723	2839	1324	1777
i4B	5827	2943	1428	1777
i8A,Y	6289	3405	1572	1861
i8B	6393	3509	1676	1861

異常警告表示灯(オプション) Alarm light tower (Option)		
段数 Number of stages	E	F
1	146	2104
3	228	2186

ノズル突出量（G） NOZZLE PROJECTION		
14A ～	標準（STD）	65
	選択仕様 (OPTION)	100
		135

ノズルヒータ外径（H） OUTSIDE DIAMETER OF NOZZLE HEATER	
14A ～	80

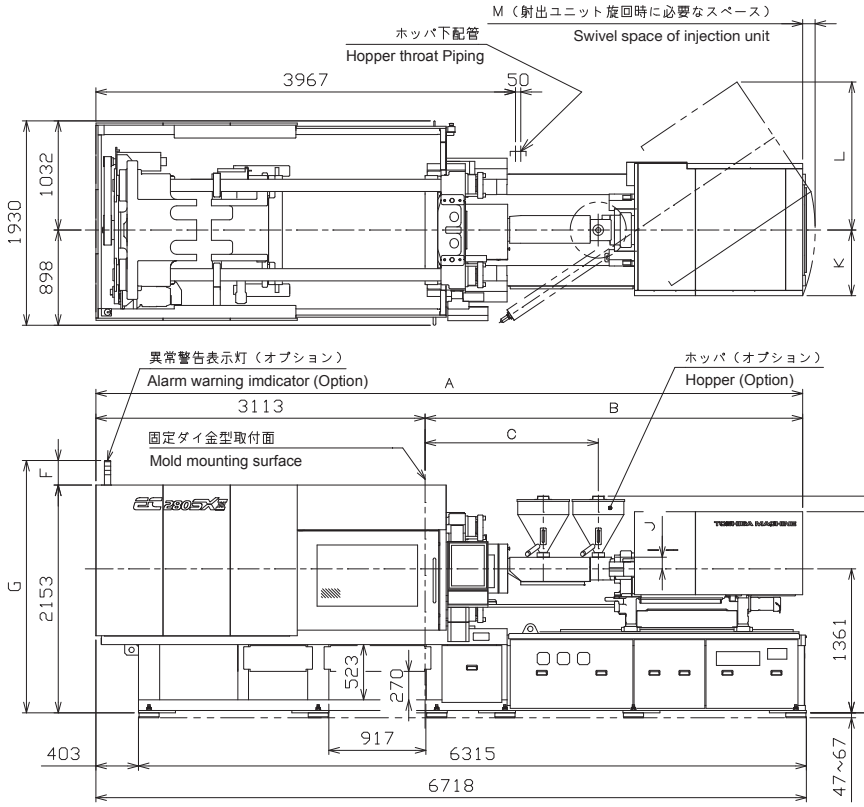
ロケート穴径（J） LOCATING RING HOLE DIAMETER	
標準（STD）	ø125 +0.040 0
選択仕様 (OPTION)	ø100 +0.035 0
	ø120 +0.040 0
	ø160 +0.040 0

ø160の場合，移動ダイ側はロケートリング無しとなります。
IN CASE OF Ø160 DIAMETER HOLE, MACHINE WILL NOT HAVE LOCATE RING ON MOVABLE SIDE.

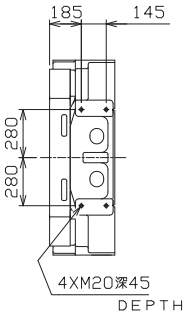
押出ストローク（K） EJECTOR STROKE	
標準（STD）	130
選択仕様 (OPTION)	180

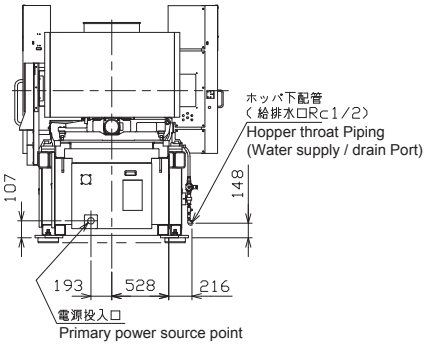
EC280SXⅢ

◆外形図 General view

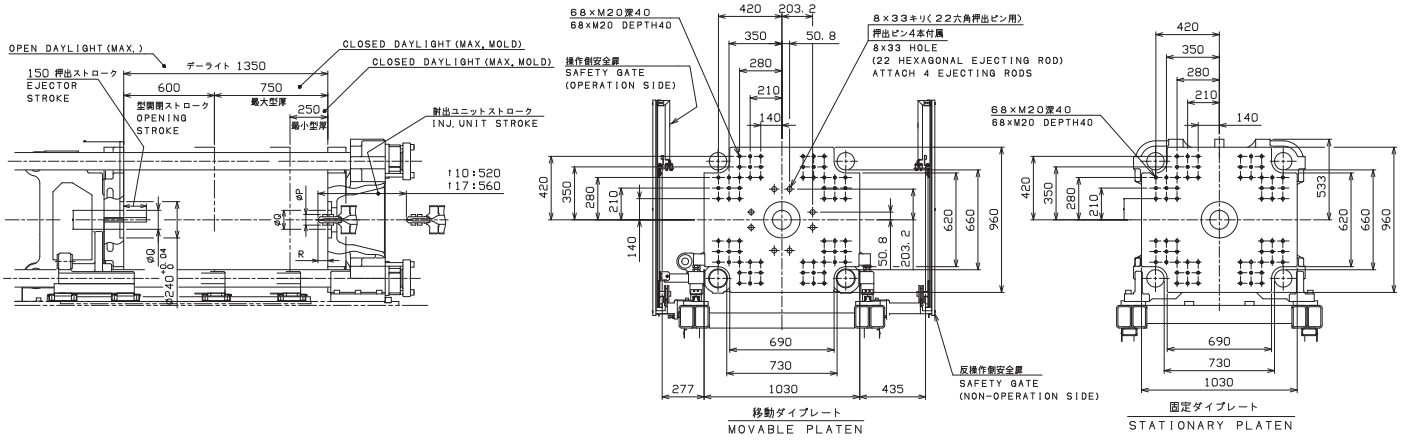


◆取出機取付部 Take-out robot mounting surface





◆金型取付関係図 Mold mounting space



射出ユニット Injection Unit	A	B	C	D	E	H	J	K	L
i10A,Y	6683	3570	1637	1901	1250	2048	110	620	1400
i10B	6787	3674	1741						
i17Y	6720	3607	1926	2103	1657	2103	165	692	1441
i17AT,B,BH	6925	3812	2131						

異常警告表示灯(オプション) Alarm light tower (Option)		
段 数 Number of stages	F	G
1	151	2304
3	233	2386

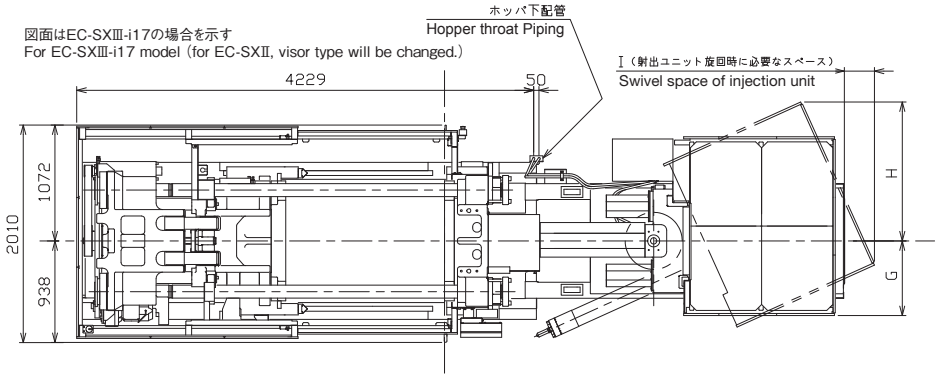
ノズル突出量（R） NOZZLE PROJECTION		
↑10 ↑17	標準（STD）	65
	選択仕様 (OPTION)	100
		135

ノズルヒータ外径（P） OUTSIDE DIAMETER OF NOZZLE HEATER	
↑10	80
↑17	80

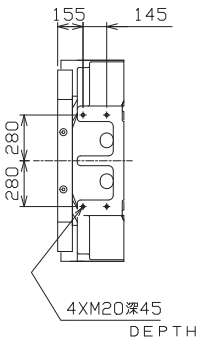
ロケート穴径（Q） LOCATING RING HOLE DIAMETER	
標準（STD）	$\phi 125^{+0.040}_{0}$
選択仕様 (OPTION)	$\phi 160^{+0.040}_{0}$

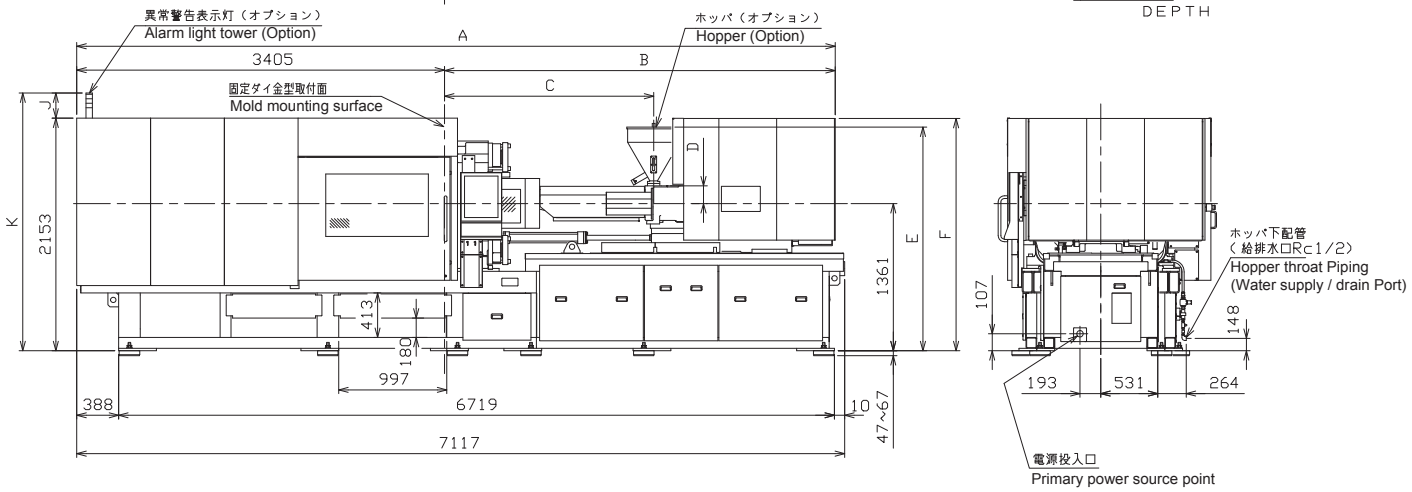
EC350SXⅢ

◆外形図 General view

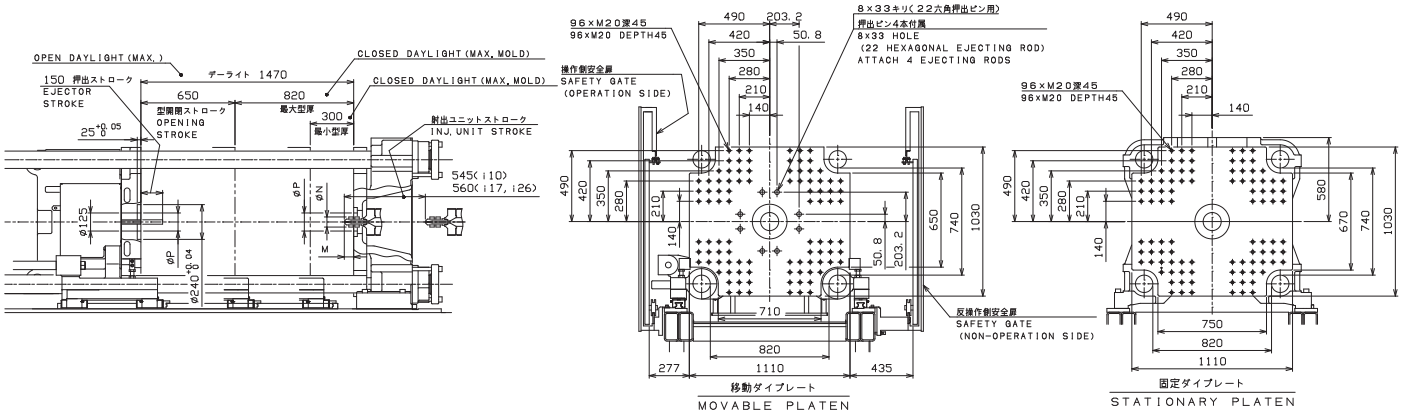


◆取出機取付部 Take-out robot mounting surface





◆金型取付関係図 Mold mounting space



射出ユニット Injection Unit	A	B	C	D	E	F	G	H	I
i10A,Y	7000	3595	1662	110	2048	1901	620	1400	78
i10B	7104	3699	1766						
i17Y	7022	3617	1936	165	2013	2150	692	1441	276
i17AT,B,BH	7227	3822	2141						483
i26AT,B	7685	4172	2335	210	2530	2149	696	1383	582

異常警告表示灯(オプション) Alarm light tower (Option)		
段数 Number of stages	J	K
1	150	2303
3	232	2385

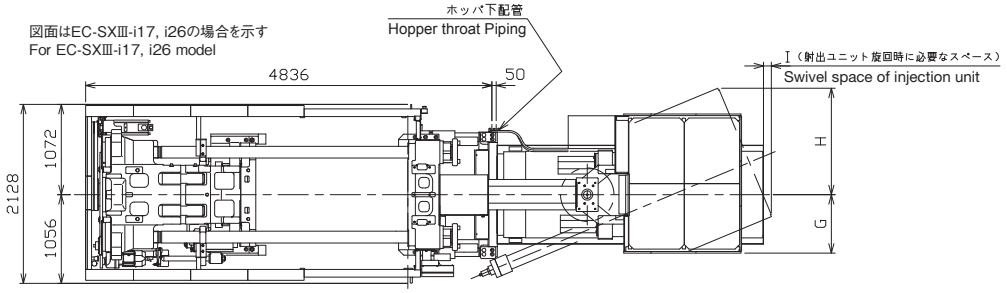
ノズル突出量(M) NOZZLE PROJECTION		
110 117 126	標準(STD)	65
	選択仕様 (OPTION)	100
		135

ノズルヒータ外径(N) OUTSIDE DIAMETER OF NOZZLE HEATER	
110	80
117	80
126	85

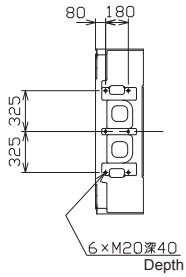
ロケート穴径(P) LOCATING RING HOLE DIAMETER	
標準(STD)	$\phi125^{+0.040}_{0}$
選択仕様 (OPTION)	$\phi160^{+0.040}_{0}$

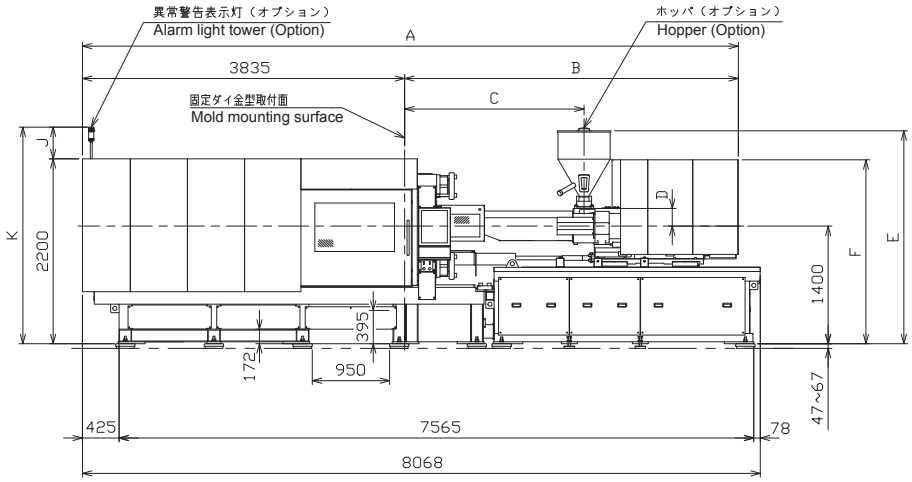
EC450SXⅢ

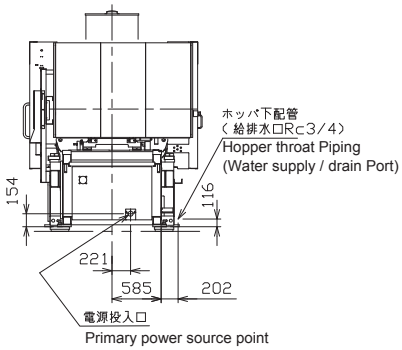
◆外形図 General view



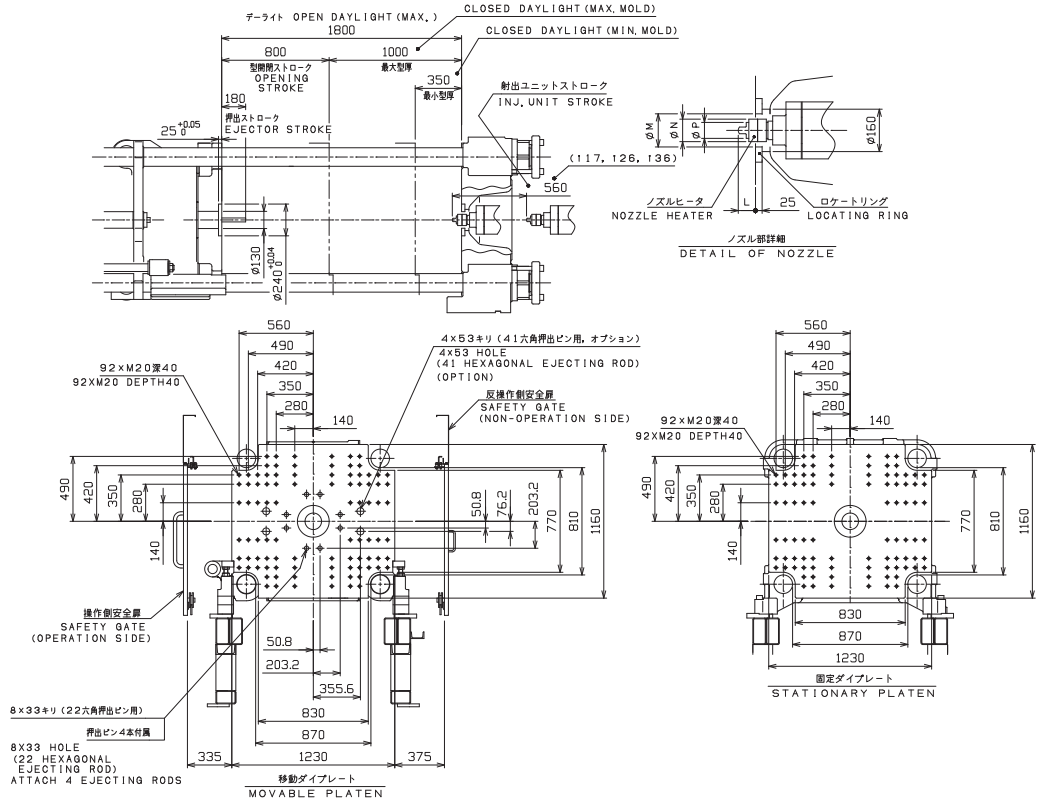
◆取出機取付部 Take-out robot mounting surface







◆金型取付関係図 Mold mounting space



射出ユニット Injection Unit	A	B	C	D	E	F	G	H	I
i17Y	7482	3647	1966	165	2188	2109	692	1441	69
i17AT,B,BH	7687	3852	2171						
i26AT,B	8007	4172	2335	210	2534	2188	696	1269	94
									295
i36AT,B	8522	4687	2540			2322	806	1474	375

異常警告表示灯(オプション) Alarm light tower (Option)		
段 数 Number of stages	J	K
1	378	2578
2	419	2619
3	460	2660

ノズル突出量（L） NOZZLE PROJECTION	
標準（STD）	65
選択仕様 (OPTION)	100
	135

ロケート穴径（M） LOCATING RING HOLE DIAMETER	
標準（STD）	ø125 +0.040 0
選択仕様 (OPTION)	ø160 +0.040 0
	ø200 +0.046 0

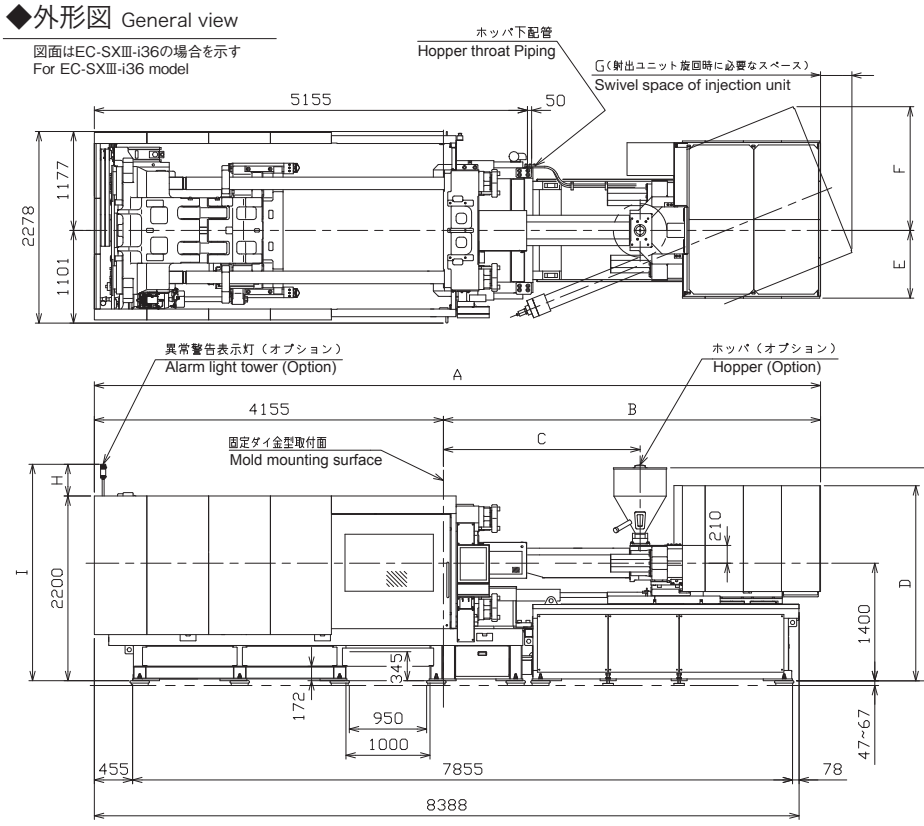
ノズルヒータ外径（N） OUTSIDE DIAMETER OF NOZZLE HEATER	
i17	ø80
i26, i36	ø85

ノズル外径（P） OUTSIDE DIAMETER OF NOZZLE	
i17	ø40
i26, i36	ø60

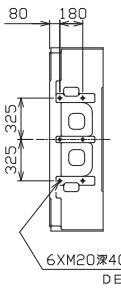
EC550SXⅢ

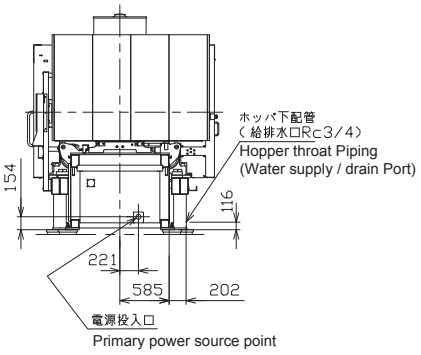
◆外形図 General view

図面はEC-SXⅢ-i36の場合を示す
For EC-SXⅢ-i36 model

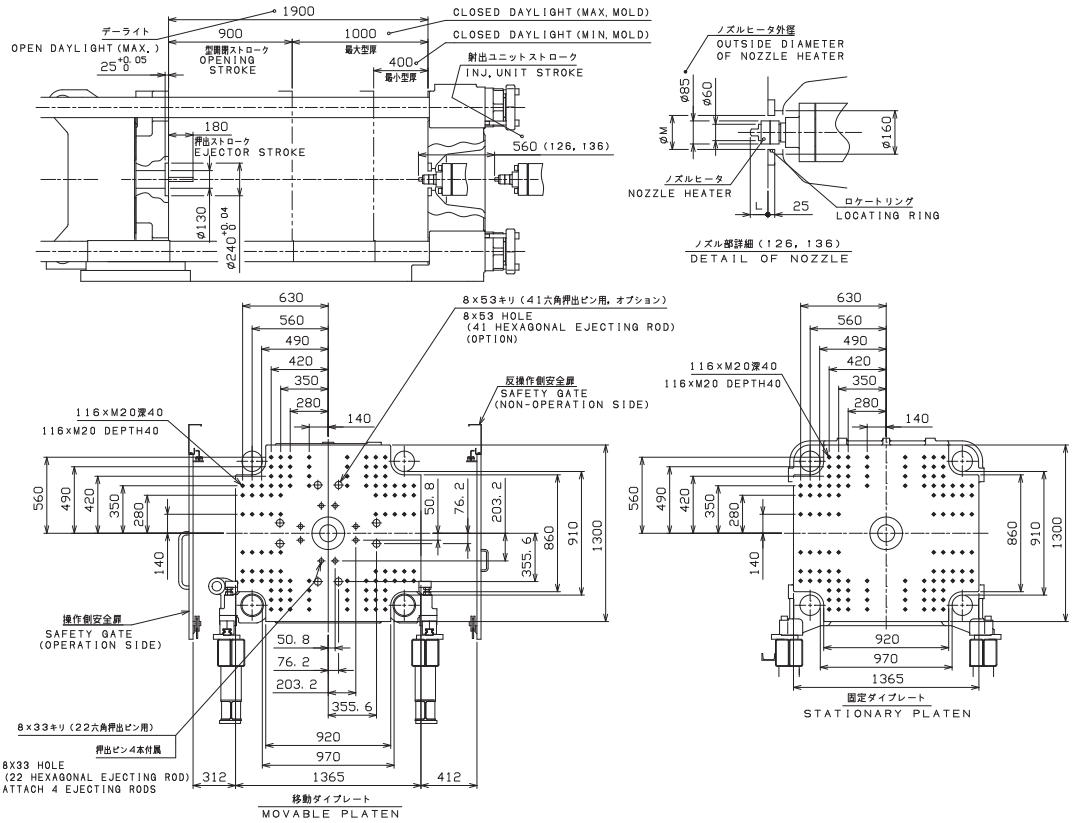


◆取出機取付部 Take-out robot mounting surface





◆金型取付関係図 Mold mounting space



射出ユニット Injection Unit	A	B	C	D	E	F	G
i17Y	7482	3647	1966	2188	692	1441	69
i17AT,B,BH	7687	3852	2171				
i26AT,B	8327	4172	2335	2188	696	1269	93
							295
i36AT,B	8842	4687	2540	2322	806	1474	375
							575

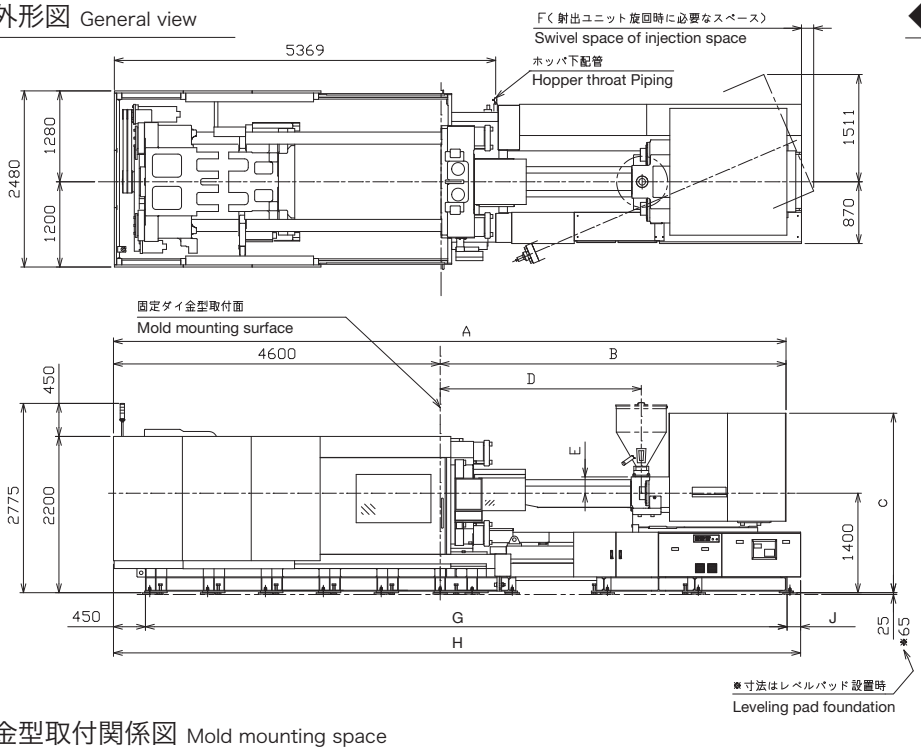
異常警告表示灯（オプション） Alarm light tower (Option)		
段数 Number of stages	H	I
1	378	2578
2	419	2619
3	460	2660

ノズル突出量（L） NOZZLE PROJECTION		
126 136	標準（STD）	65
	選択仕様（OPTION）	100
		135

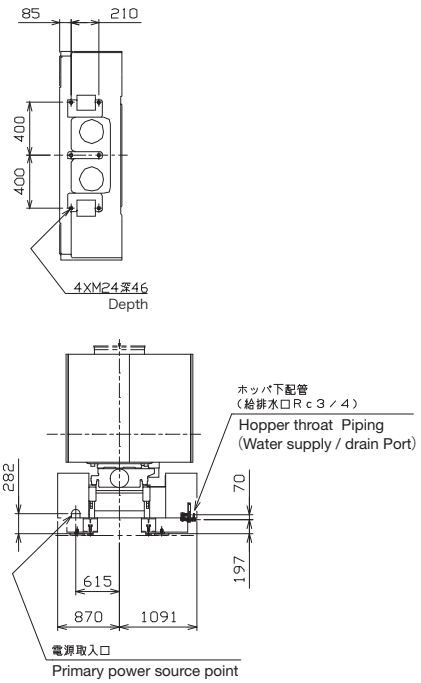
ロケート穴径（øM） LOCATING RING HOLE DIAMETER	
標準（STD）	ø125 +0.040 0
選択仕様（OPTION）	ø160 +0.040 0
	ø200 +0.046 0

EC650SXⅢ

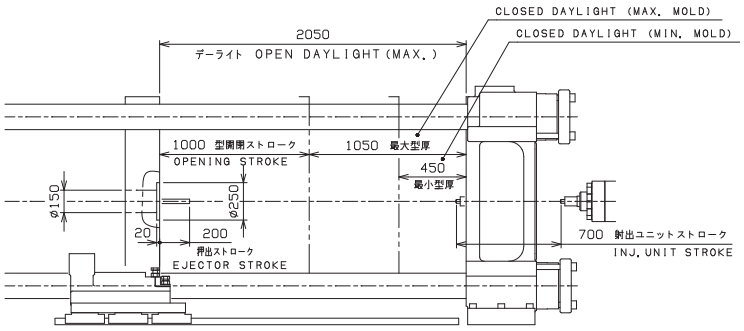
◆外形図 General view

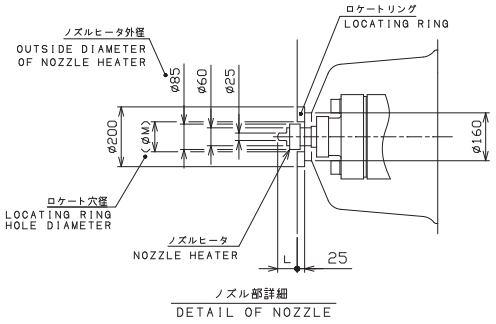


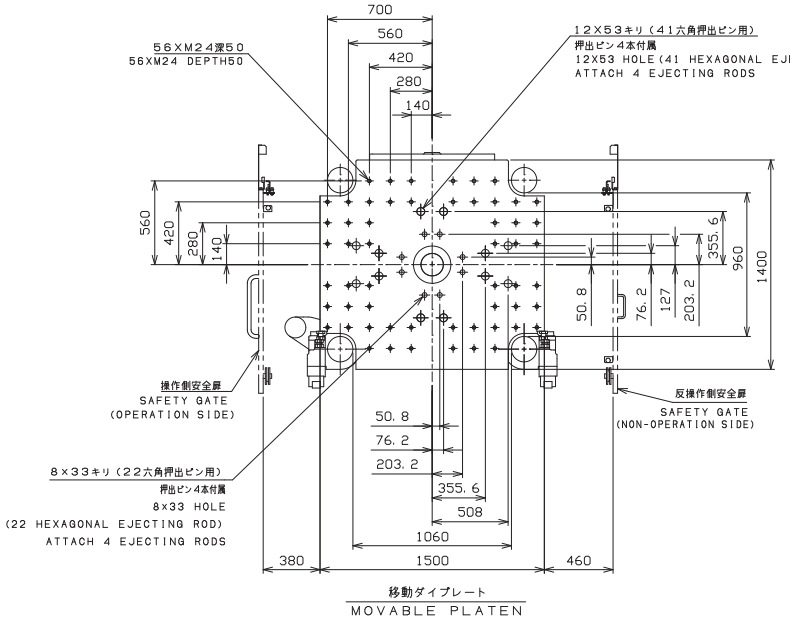
◆取出機取付部 Take-out robot mounting surface

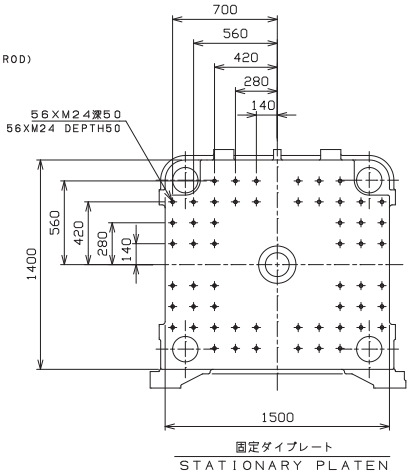


◆金型取付関係図 Mold mounting space









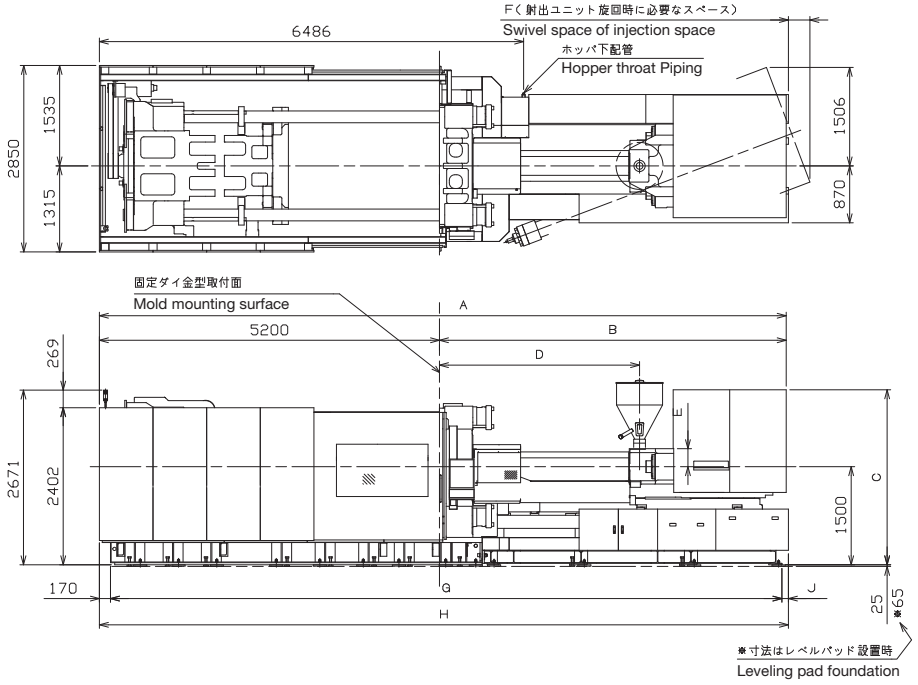
射出ユニット Injection Unit	A	B	C	D	E	F	G	H	J
i61A	9470	4870	2551	2132~2832	230	172	9035	10075	590
i61B	9670	5070	2551	2332~3032	230	372	9035	10075	590
i78A	9902	5302	2601	2359~3059	275	589	9335	10375	590
i78B	10202	5602	2601	2659~3359	275	589	9335	10375	590

ノズル突出量（L） NOZZLE PROJECTION	
標準（STD）	65
選択仕様（OPTION）	100
	135

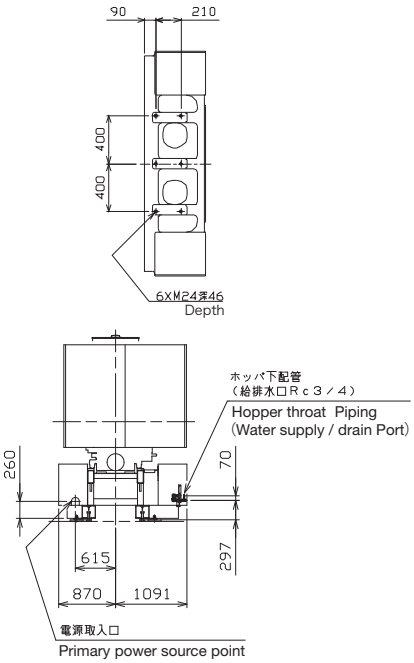
ロケート穴径（M） LOCATING RING HOLE DIAMETER	
標準（STD）	ø100 +0.035 0
選択仕様（OPTION）	ø110 +0.035 0
	ø120 +0.035 0
	ø130 +0.04 0
	ø150 +0.04 0

EC850SXⅢ

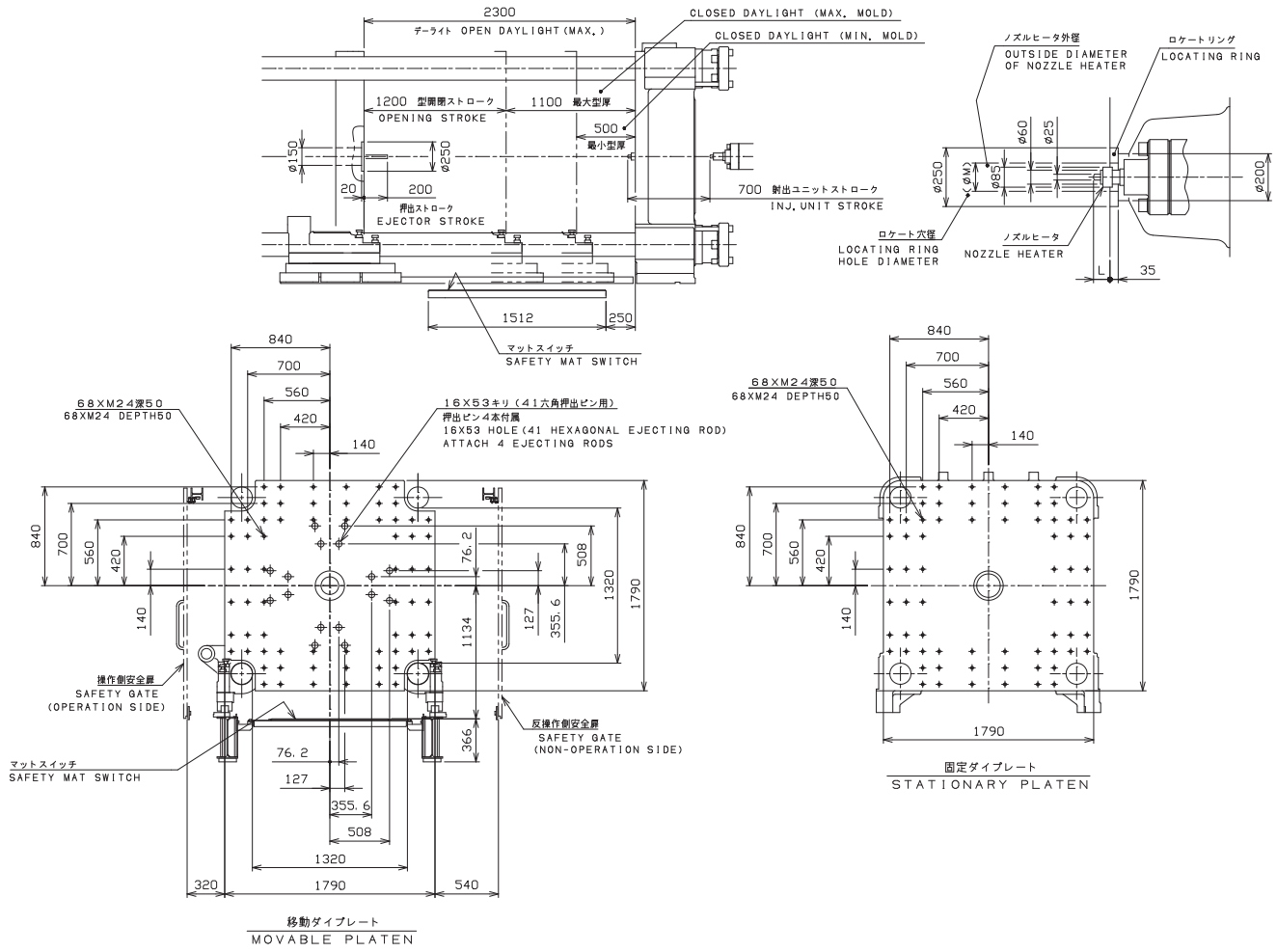
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



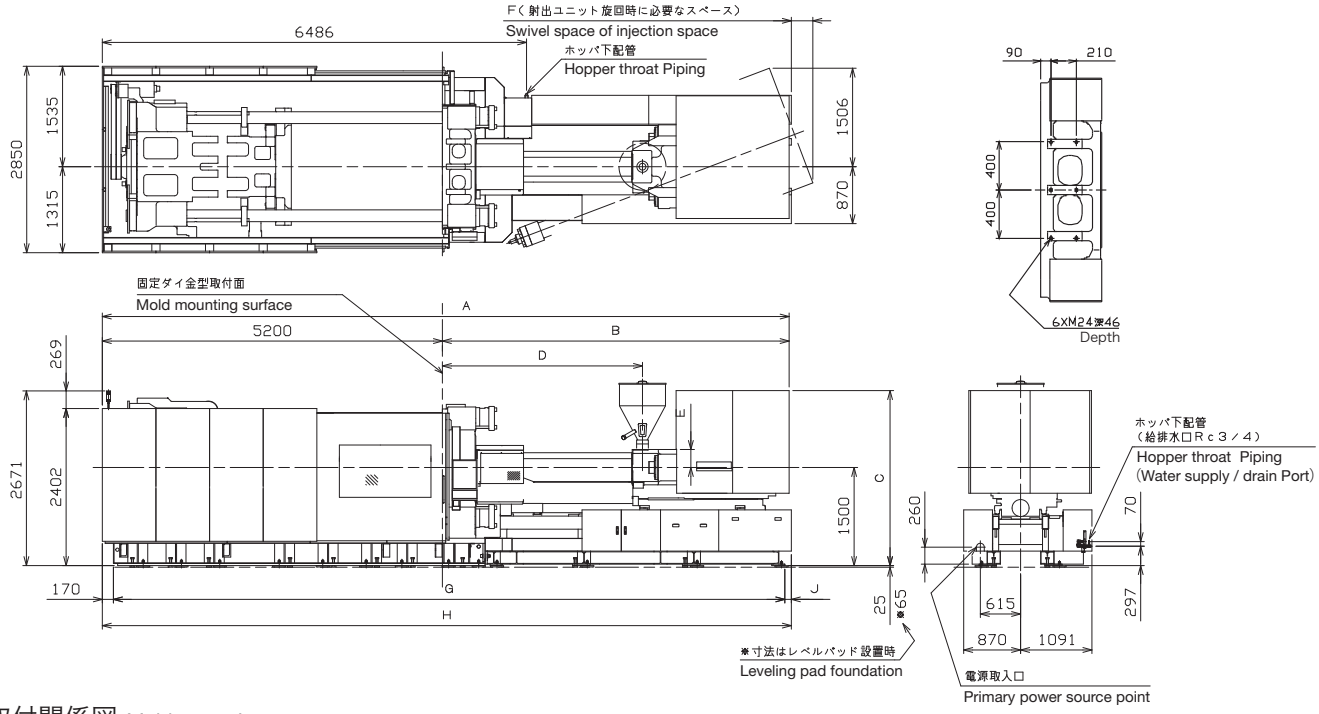
射出ユニット Injection Unit	A	B	C	D	E	F	G	H	J
i61A	10070	4870	2626	2132~2832	230	-88	10265	10935	500
i61B	10270	5070	2626	2332~3032	230	112	10265	10935	500
i78A	10502	5302	2676	2359~3059	275	329	10265	10935	500
i78B	10802	5602	2676	2659~3359	275	629	10265	10935	500

ノズル突出量（L） NOZZLE PROJECTION	
標準（STD）	65
選択仕様（OPTION）	100
	135
	170

ロケート穴径（M） LOCATING RING HOLE DIAMETER	
標準（STD）	$\phi 120^{+0.035}_{0}$
選択仕様（OPTION）	$\phi 150^{+0.04}_{0}$

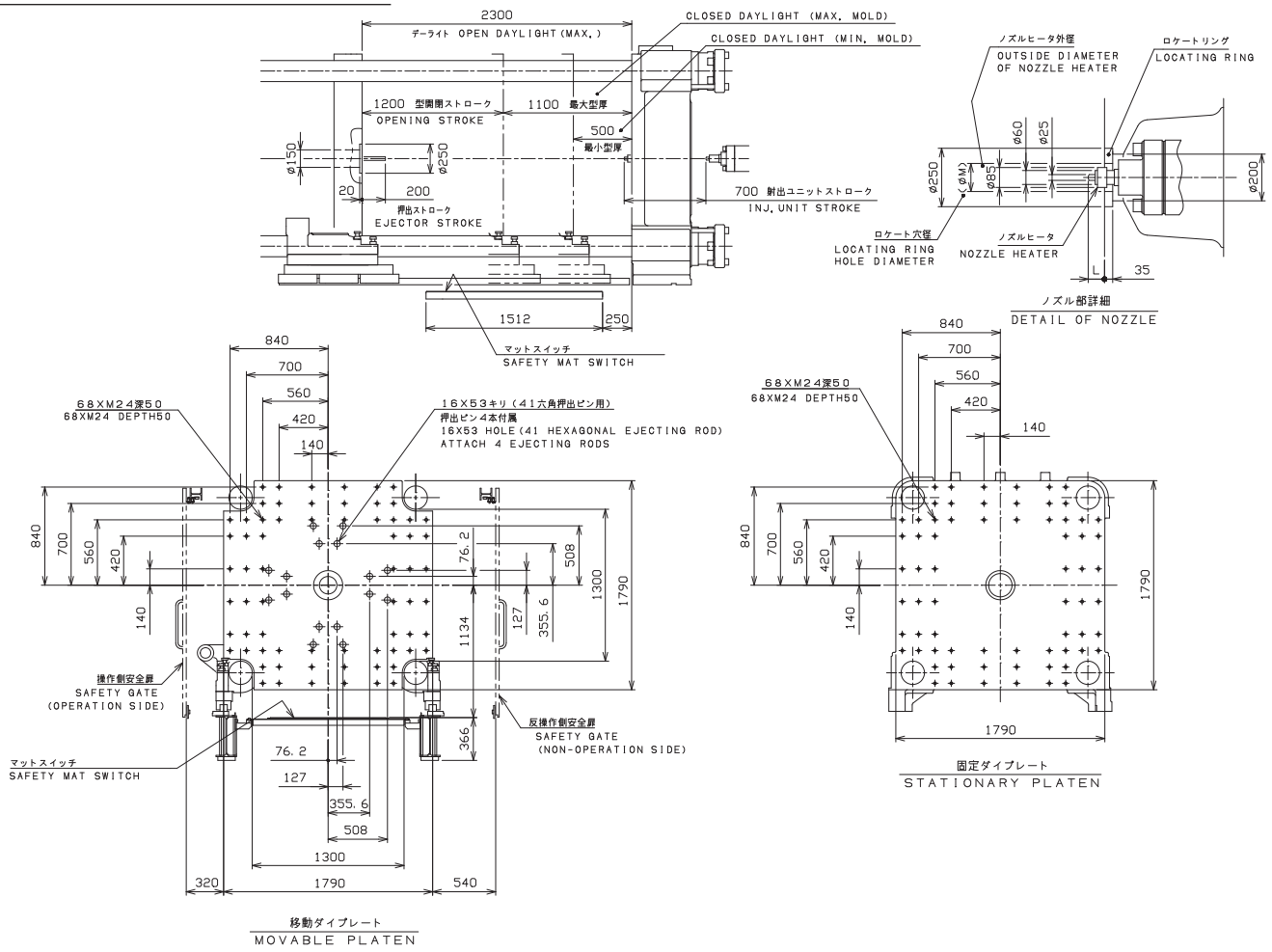
EC1000SXⅢ

◆外形図 General view



◆取出機取付部 Take-out robot mounting surface

◆金型取付関係図 Mold mounting space



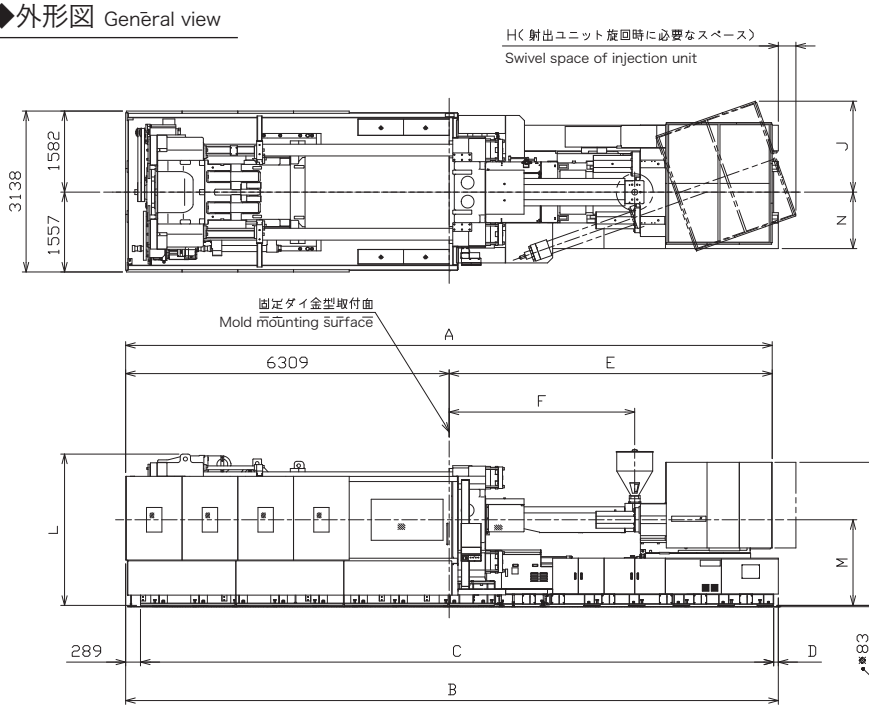
射出ユニット Injection Unit	A	B	C	D	E	F	G	H	J
i61A	10070	4870	2626	2132~2832	230	-88	10265	10935	500
i61B	10270	5070	2626	2332~3032	230	112	10265	10935	500
i78A	10502	5302	2676	2359~3059	275	329	10265	10935	500
i78B	10802	5602	2676	2659~3359	275	629	10265	10935	500

ノズル突出量（L） NOZZLE PROJECTION	
標準（STD）	65
選択仕様（OPTION）	100
	135
	170

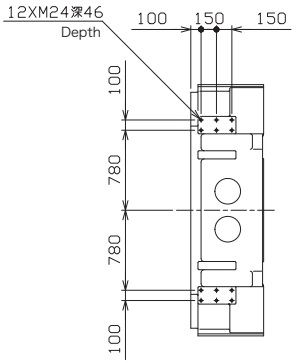
ロケート穴径（M） LOCATING RING HOLE DIAMETER	
標準（STD）	φ120 +0.035 0
選択仕様（OPTION）	φ150 +0.04 0

EC1300SXⅢ

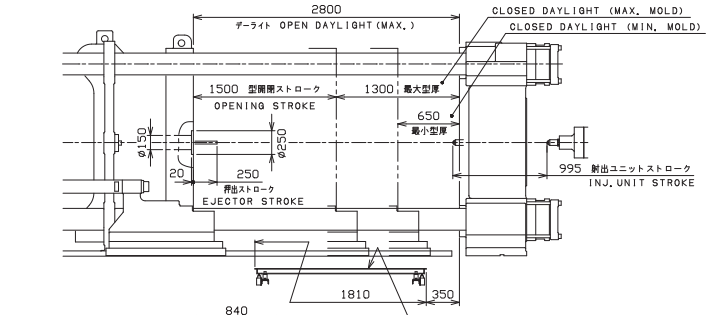
◆外形図 Genēral view

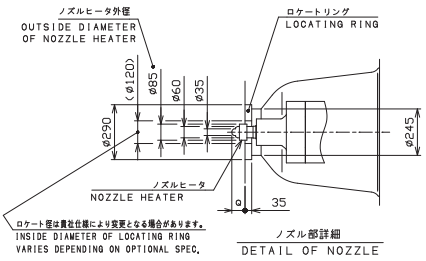


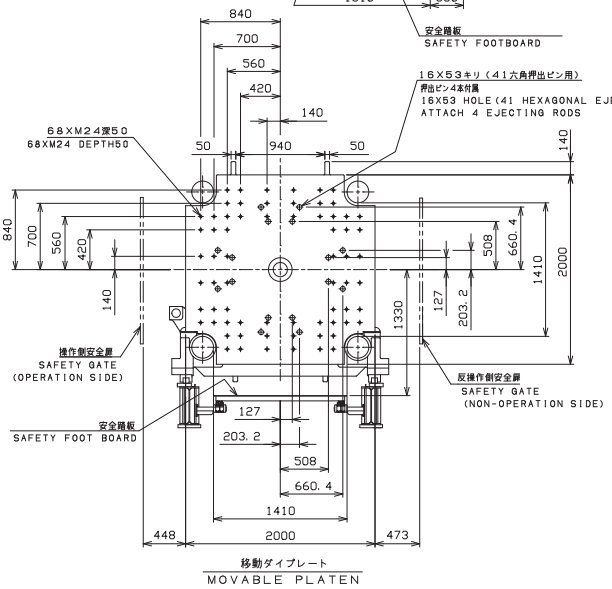
◆取出機取付部 Take-out robot mounting surface

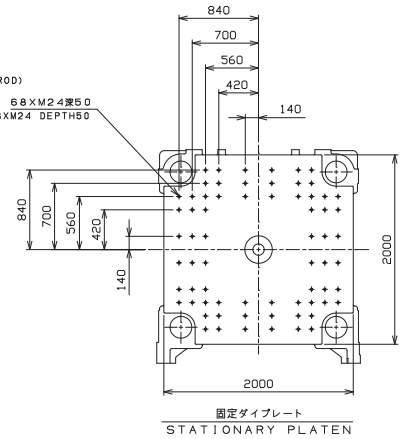


◆金型取付関係図 Mold mounting space









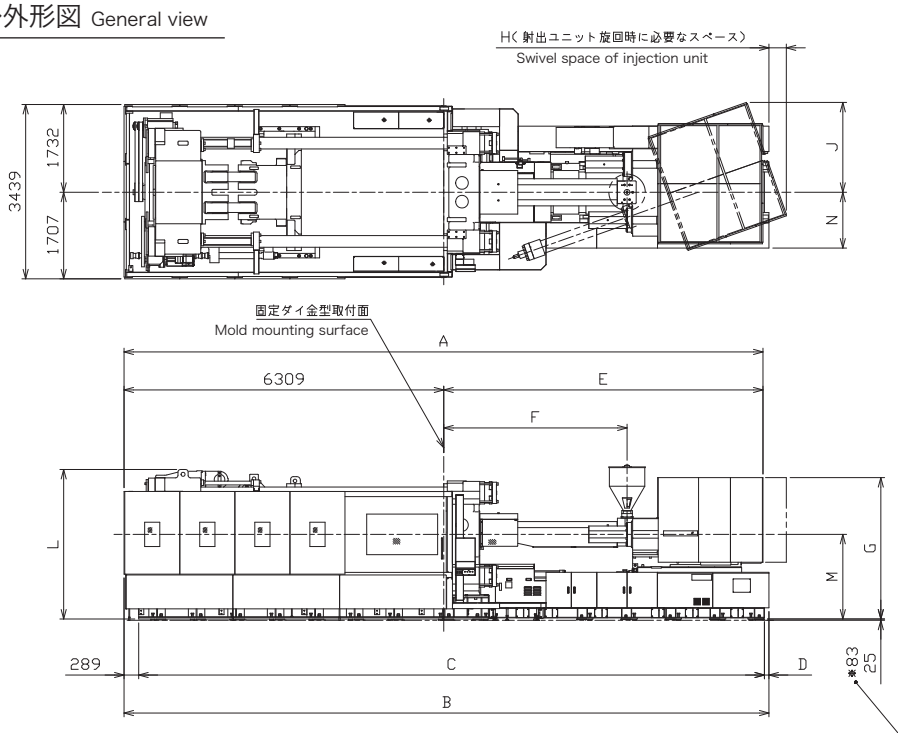
Q	
65	標準仕様 (STANDARD SPEC.)
100	オプション仕様 (OPTIONAL SPEC.)
135	
170	

ノズル突出量
NOZZLE PROJECTION

射出ユニット Injection Unit	A	B	C	D	E	F	G	H	J	K	L	M	N
i120A	12609	12727	12348	90	6300	2623~3618	2790	343	1774	780	3080	1670	1100
i120B	12809	12727	12348	90	6500	2823~3818	2790	543	1774	780	3080	1670	1100
i155A	13039	13067	12538	240	6730	2823~3898	3090	477	2083	1040	3325	1915	1360
i155B	13381	13067	12538	240	7072	3165~4240	3090	819	2083	1040	3325	1915	1360

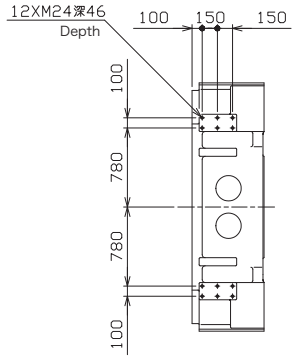
EC1300SXⅢW

◆外形図 General view

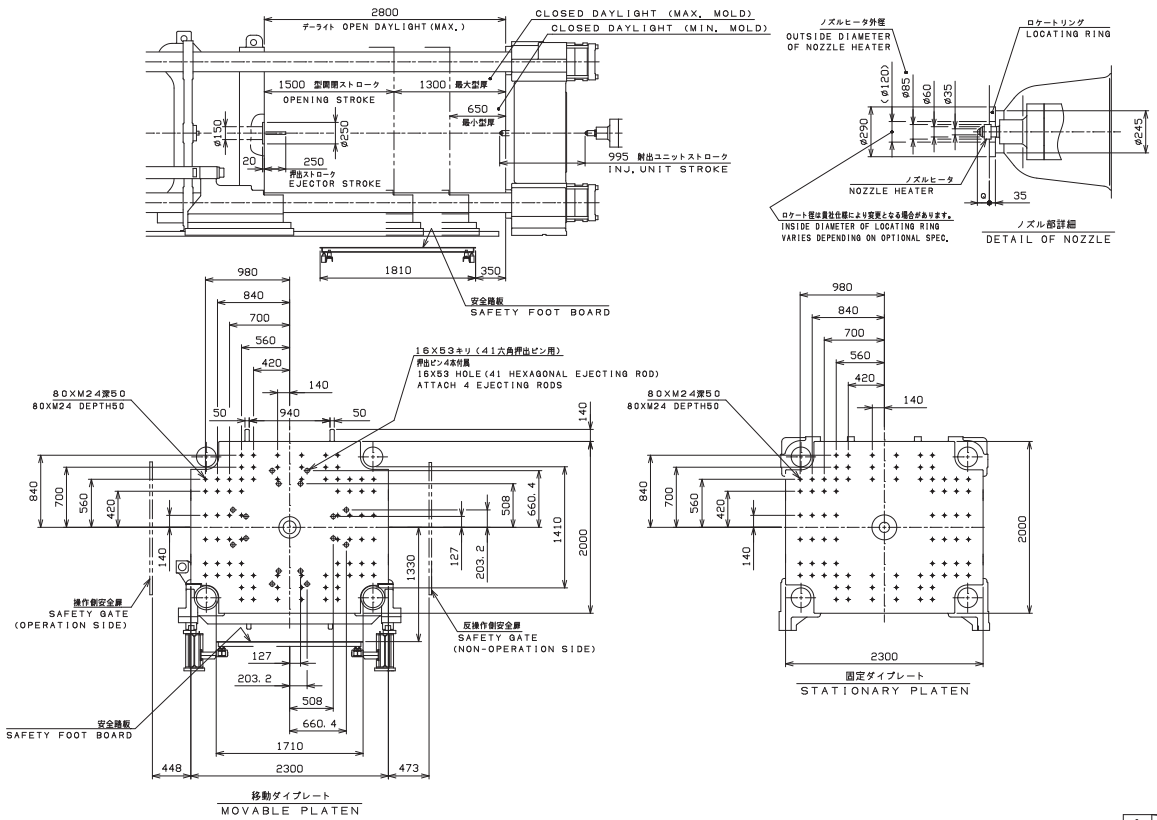


**External Control Cabinet to be installed beside the machine main body the cabinet is not shown on the drowing

◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



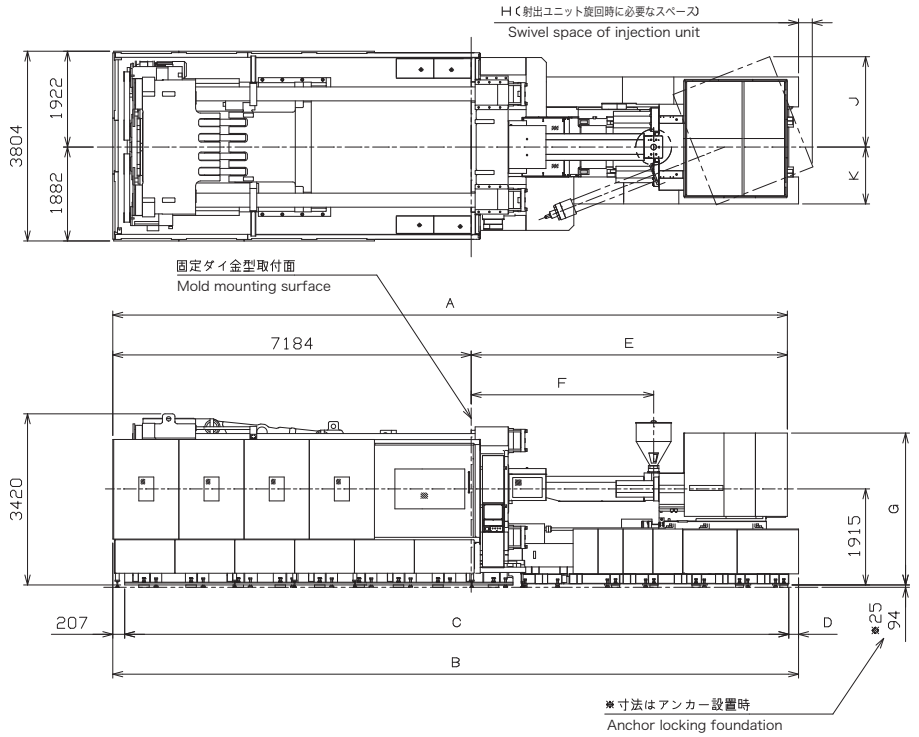
Q	
65	標準仕様 (STANDARD SPEC.)
100	オプション仕様 (OPTIONAL SPEC.)
135	
170	

ノズル突出量
NOZZLE PROJECTION

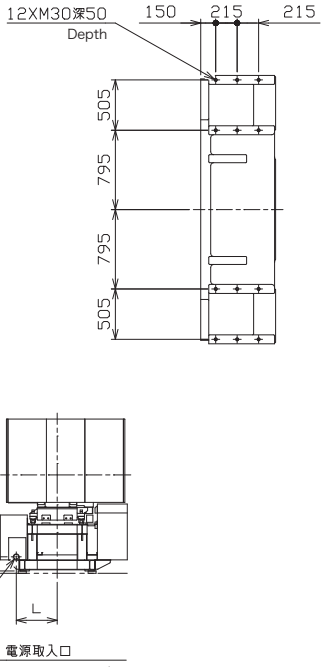
射出ユニット Injection Unit	A	B	C	D	E	F	G	H	J	K	L	M	N
i120A	12609	12727	12348	90	6300	2623~3618	2790	343	1774	780	2950	1670	1100
i120B	12809	12727	12348	90	6500	2823~3818	2790	543	1774	780	2950	1670	1100
i155A	13039	13067	12538	240	6730	2823~3898	3090	477	2083	1040	3195	1915	1360
i155B	13381	13067	12538	240	7072	3165~4240	3090	819	2083	1040	3195	1915	1360

EC1800SX, EC1600SXW

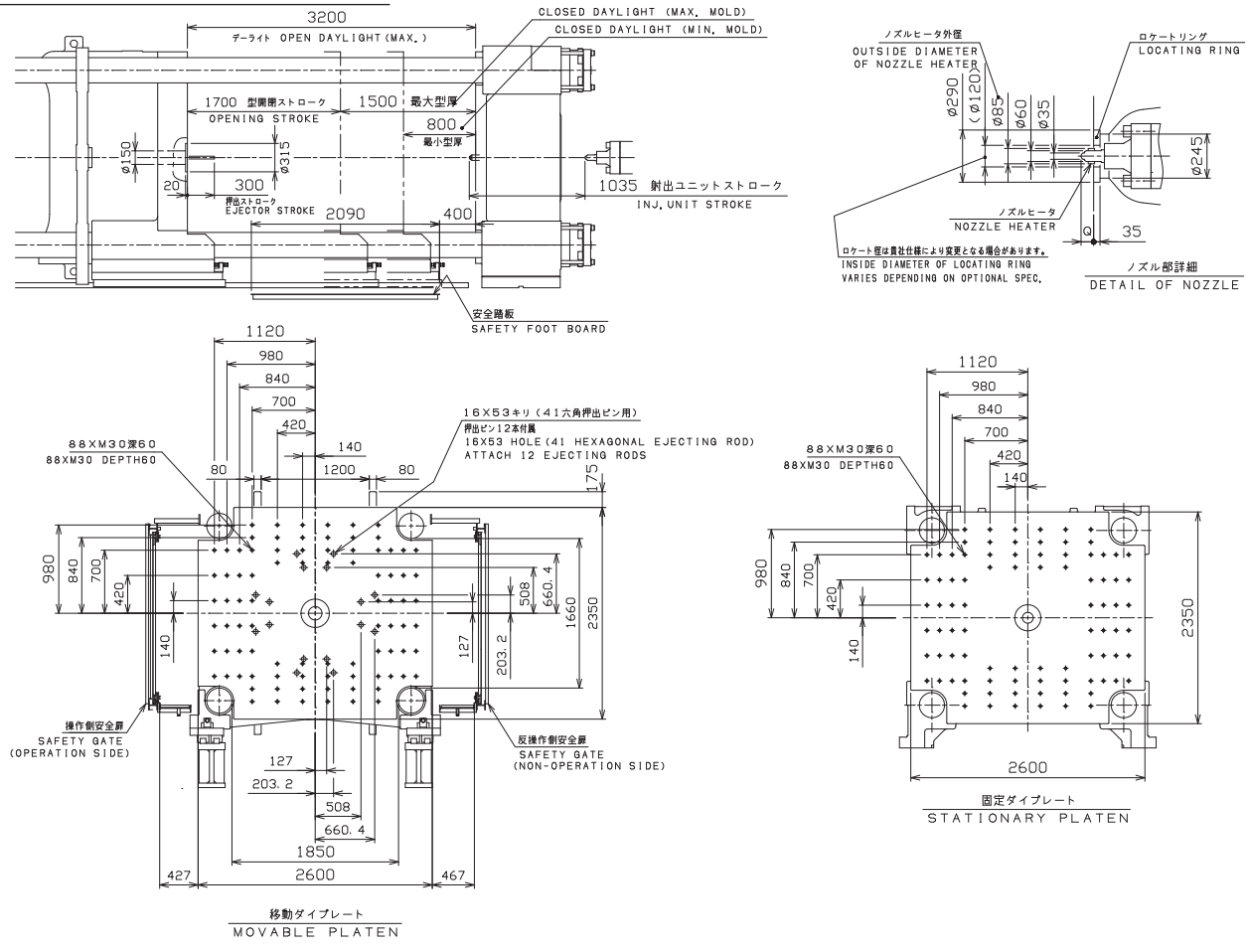
◆外形図 General view



◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space



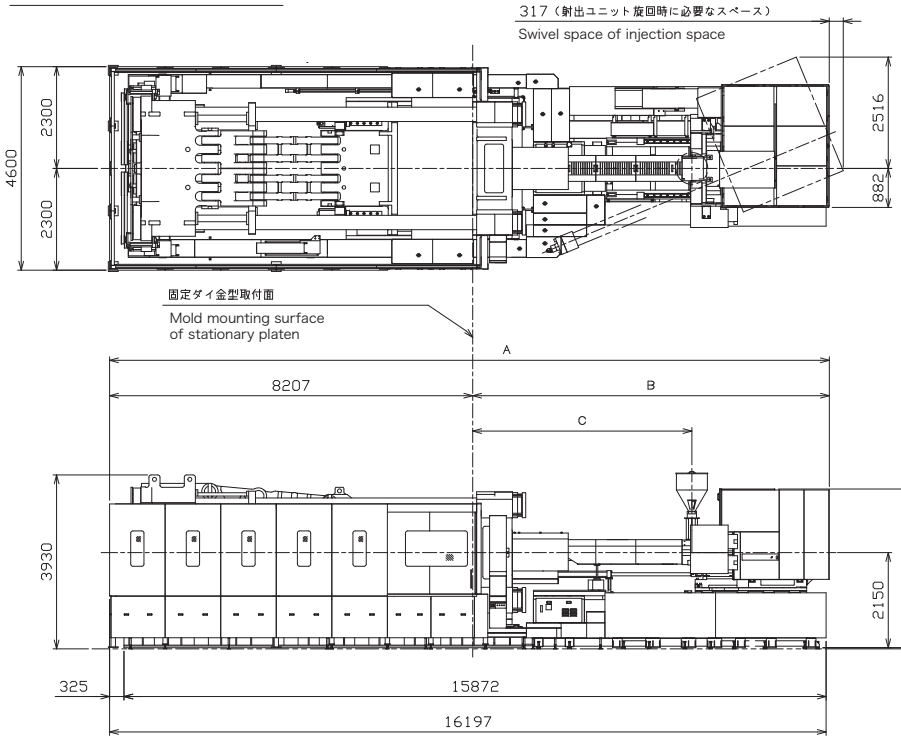
射出ユニット Injection Unit	A	B	C	D	E	F	G	H	J	K	L
i120A	13524	13747	13313	195	6340	2623~3658	3045	275	1774	1140	820
i120B	13724	13747	13313	195	6540	2823~3858	3045	475	1774	1140	820
i155A	13914	13942	13463	240	6730	2823~3898	3090	537	2097	1360	1040
i155B	14256	13942	13463	240	7072	3165~4240	3090	875	2097	1360	1040

Q	
65	標準仕様 (STANDARD SPEC.)
100	オプション仕様 (OPTIONAL SPEC.)
135	
170	

ノズル突出量
NOZZLE PROJECTION

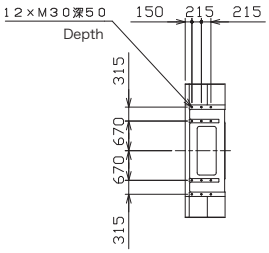
EC2500SXⅢ

◆外形図 General view

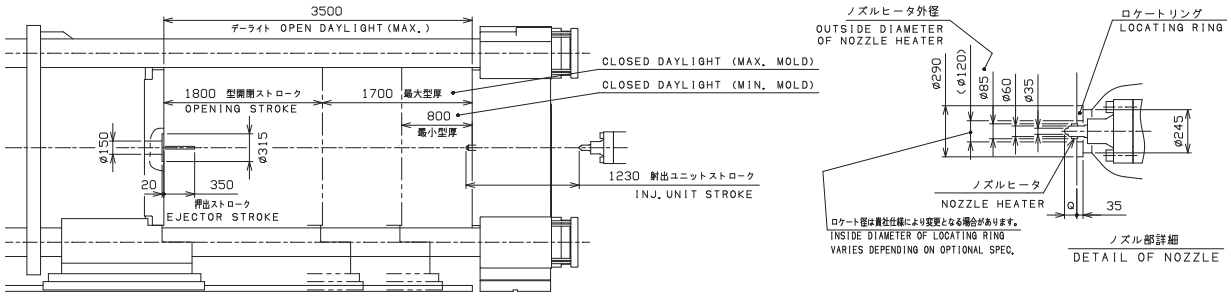


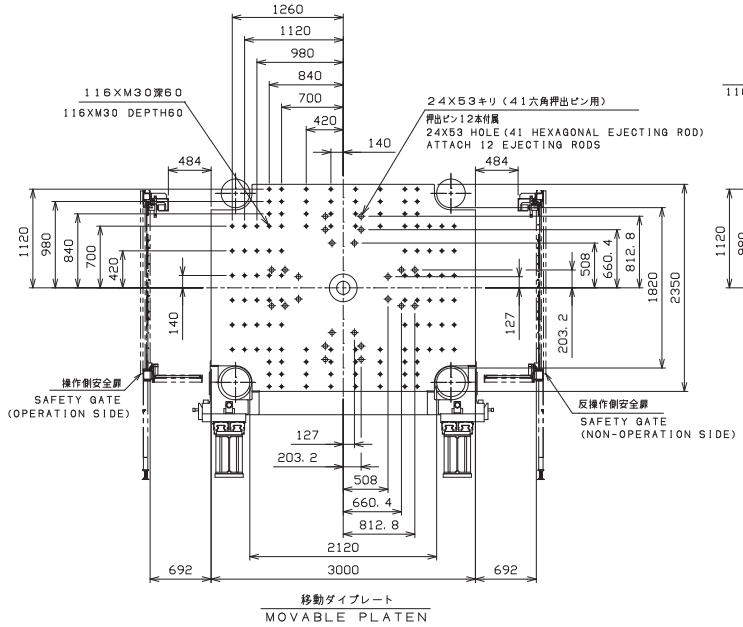
**External Control Cabinet to be installed beside the machine. The cabinet is not shown on this drowing

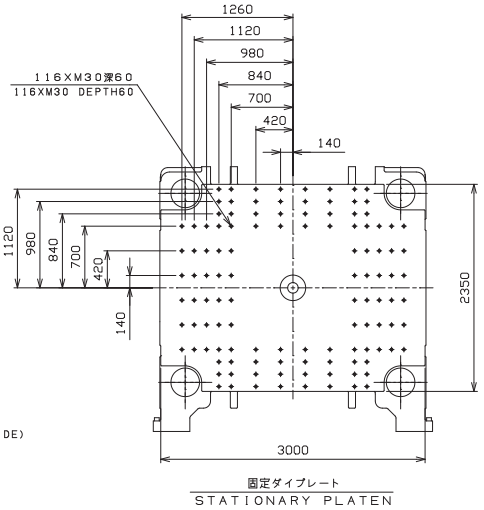
◆取出機取付部 Take-out robot mounting surface



◆金型取付関係図 Mold mounting space







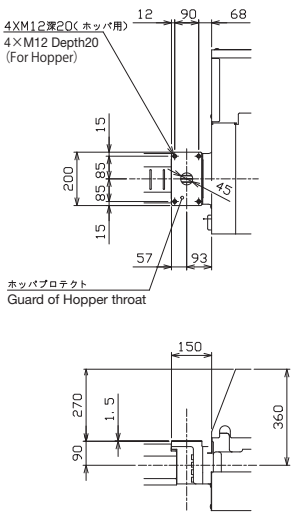
射出ユニット INJECTION UNIT	A	B	C
i215A	15709	7502	4395
i215AM	16269	8062	4955
i215BH	15909	7702	4595
i215BHM	16509	8302	5195

Q	
65	標準仕様 (STANDARD SPEC.)
100	オプション仕様 (OPTIONAL SPEC.)
135	
170	

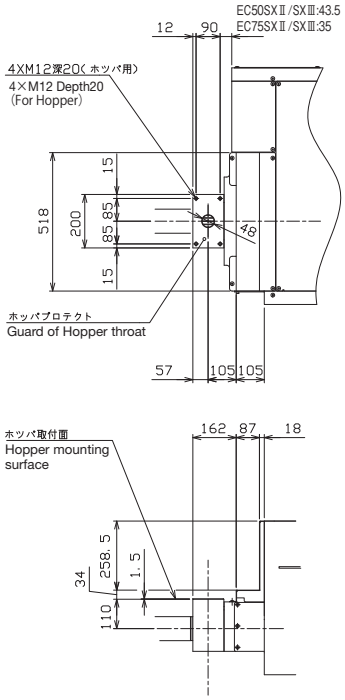
ノズル突出量
NOZZLE PROJECTION

ホッパ取付図　Hopper mounting

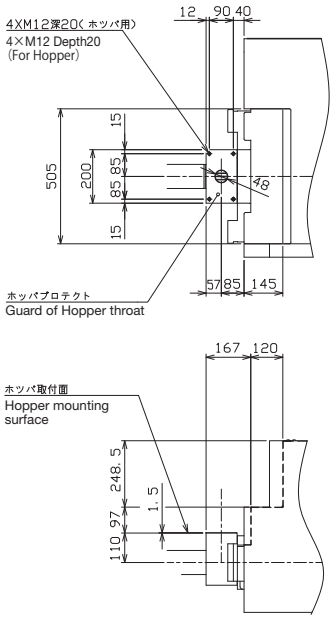
◆ i0. 4



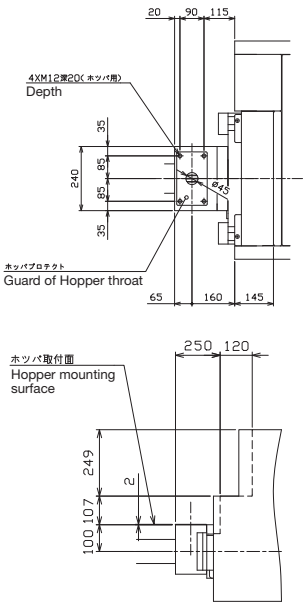
◆ i1, i1.5, i2 (EC50SXⅢ, EC75SXⅢ)



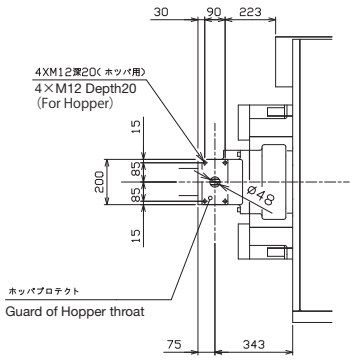
◆i2 (EC100SXⅢ) , i3 (EC100SXⅢ, EC130SXⅢ)

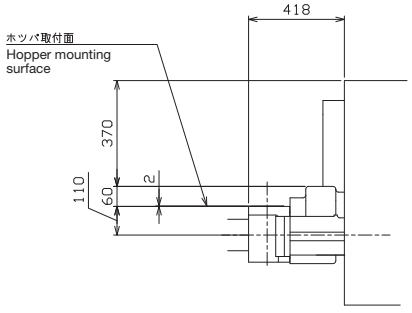


◆ i4 (EC100SXⅢ, EC130SXⅢ, EC180SXⅢ, EC230SXⅢ)

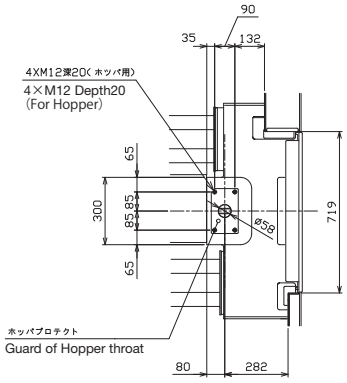


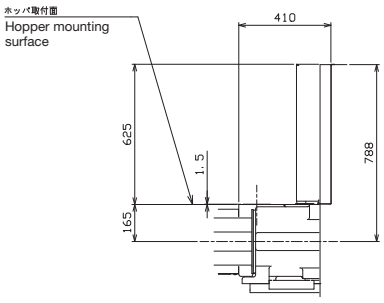
◆i6, i8, i10 (EC180SXⅢ/EC230SXⅢ)



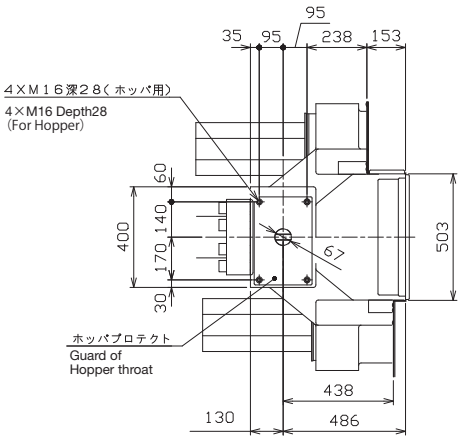


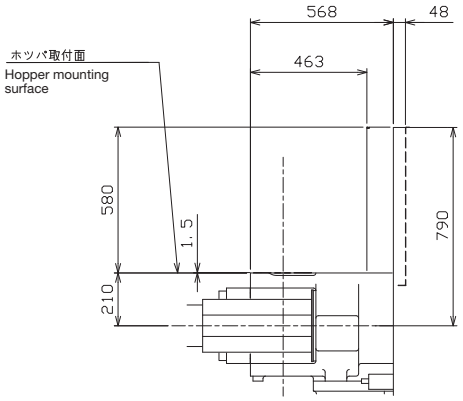
◆i17



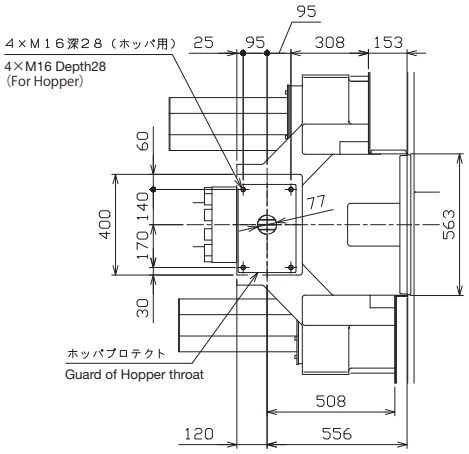


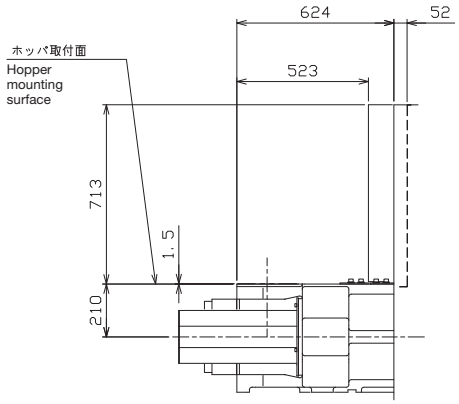
◆i26



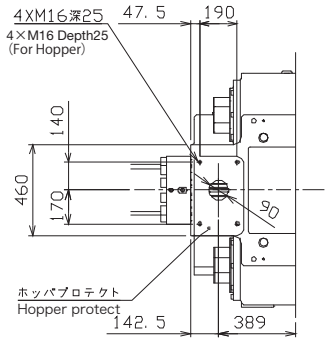


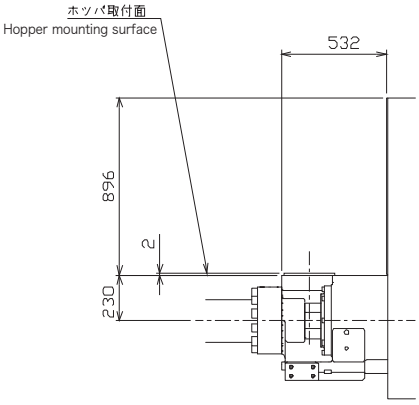
◆i36



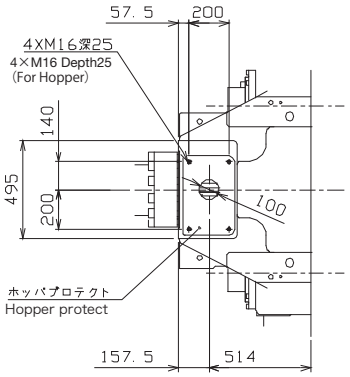


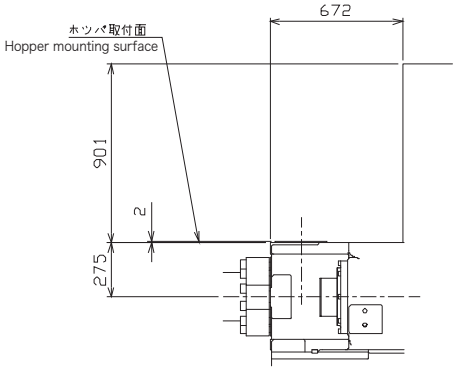
◆i61



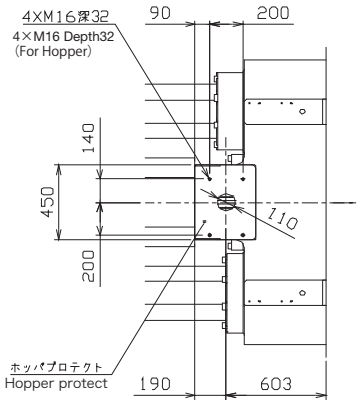


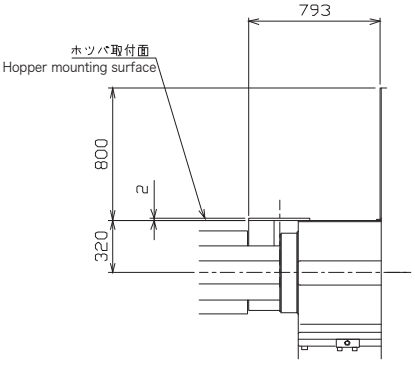
◆i78



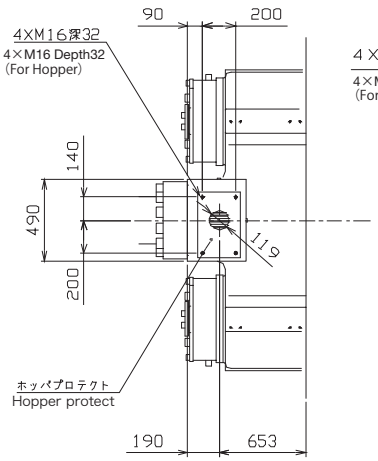


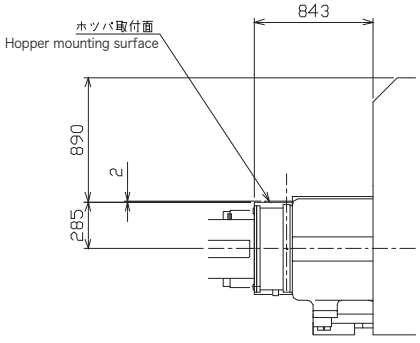
◆i120



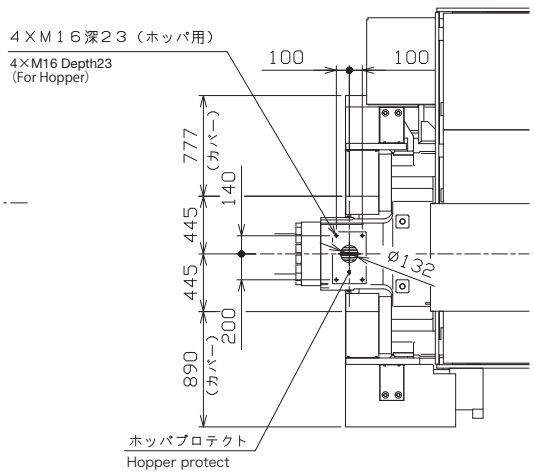


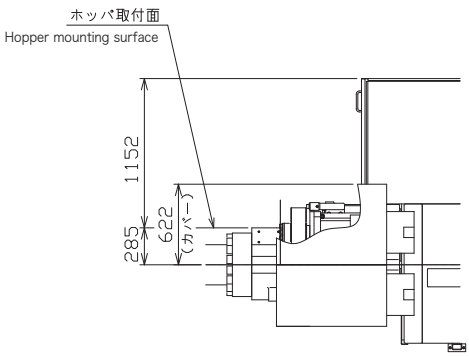
◆i155





◆i215





スクリュ・スクリュチップ・バレル・ノズル仕様
Screw・Screw tip・Barrel・Nozzle

■スクリュ　Screw

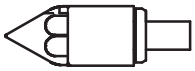
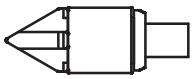
1）スクリュの種類　Type　◎ Best　○Better

形式 Type	DBG	DBC	SDB	SRB	USDB	GN4	BF	ET3
目的 Purpose	汎用 General-purpose	硬質塩ビ用 R-PVC	高吐出 High-discharge	超安定 Ultra-stable	高混練 High-Mixing	PMMA 用	安定・付着低減 Adhesion reduction	汎用 General-purpose
特長 Feature			オレフィン系 Olefin resins	精密成形用 Precision molding	オレフィン系 Olefin resins	黄変対応 Anti-yellowing シルバ対応 Anti-silver streak	炭化物対応 Anti-carbonization	
スクリュ径 (mm) Screw diameter	22～160	25～160	60～160	22～55	60～160	22～45	22～45	22～160
成形品 Molded parts	OA 機器 OA equipment 自動車部品 Automotive parts コネクタ Connector	継手 Fittings 建材 Building material	自動車部品 Automotive parts 家電部品 Appliance parts	CD ケース CD Case メディカル Medical 精密成形品 Precision molding	コンテナ Container (マスタバッチ) Color masterbatch (ドライカラー) Dry pigments	導光板 Light guide plate レンズ Lens	コネクタ Connector	自動車部品 Automotive parts 家電部品 Appliance parts
樹脂 Resin	難燃 ABS Flame-retardant エンプラ・PP・PE Engineering plastics	PVC	PP PE	ABS PBT	PP PE	PMMA PC	PA PBT, POM	PP フィラー対応 Filler
溶融・混練性 Melt/Mixing	○	○	◎	◎	◎	○	○	○
可塑化能力 Plasticizing capacity	◎	◎	◎	◎	○	○	◎	○
成形条件幅 Molding condition range	◎	◎	◎	◎	◎	◎	◎	○
繰返し安定性 Repeatability	◎	◎	◎	◎	◎	◎	◎	○

2）スクリュの仕様　Specification

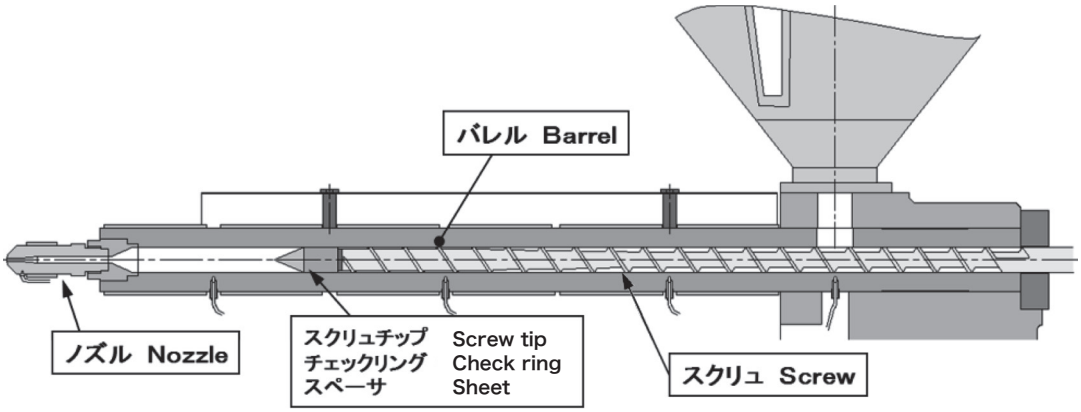
仕様 Specification	適応 Adaptation	材質・表面処理 Material/Surface treatment
標準鋼 Standard steel	汎用・エンジニア樹脂 General-purpose resins engineering plastics フィラー無し、透明性 Non-filler, Transparency	Cr・Mo 鋼 Cr/Mo steel HCr メッキ (60μm～100μm) HCr plating
耐蝕鋼 Anti-corrosion steel	塩ビ・難燃剤入り樹脂 PVC・Flame-retardant resins フッ素等特殊樹脂 Special resins (Fluorine resins)	Cr・Mo 鋼＋WCr メッキ Cr/Mo steel +WCr plating 専用材 Optimized material
耐蝕 耐摩耗鋼 Anti-corrosion abrasion steel	エンプラ＋ Engineering plastics＋ フィラー含有 30%前後 Filler content (about 30%)	冷間工具鋼 Alloy tool steel
超耐蝕 耐摩耗鋼 Ultra Anti-corrosion abrasion steel	スーパーエンプラ＋ Super engineering plastics＋ フィラー含有 30%以上 Filler content (30% over)	粉末ハイス鋼 Powder high speed steel

■スクリュチップ　Screw tip

形式 Type	形状 Shape	効果 Effect
A		射出時のバックフローがほとんどなく、射出効率が優れています。 Great filling efficient by no-back flow material in the injection process
AK		リングが計量時に回転し難いため、せん断発熱を低減出来ます。 Able to reduce friction heat due to check ring which is not rotate during charge process

■バレル　Barrel

仕様 Specification	適応 Adaptation	材質・表面処理 Material/Surface treatment
標準鋼 Standard steel	汎用・エンジニア樹脂 General-purpose resins engineering plastics フィラー無し、透明性 Non-filler, Transparency	窒化鋼 Nitride steel
耐蝕 耐摩耗鋼 Anti-corrosion abrasion steel	エンプラ＋ Engineering plastics＋ フィラー含有 30%前後 Filler content (about 30%)	専用材 Optimized material
超耐蝕 耐摩耗鋼 Ultra Anti-corrosion abrasion steel	スーパーエンプラ＋ Super engineering plastics＋ フィラー含有 30%以上 Filler content (30% over)	専用材 Optimized material



■ノズル Nozzle

1）オープンノズル（標準） Open Nozzle (STD)

・射出時の圧力損失が少なく、色替や樹脂替が容易です。
Less pressure drop and easy to change the material/color.

・原料の滞留やヤケを起こしにくい構造です。
Less stagnant and carbonized material design.

突出量 Nozzle Projection (mm)

射出記号 Injection Unit Code	STD	OPTION	
～1.5A	55	20	90
2Y	65	30	100
2A～	65	100	135

口径 Diameter (mm)

機種 Model	STD	OPTION	
～350SXⅢ	3	4	5
450SXⅢ～	5	4	6

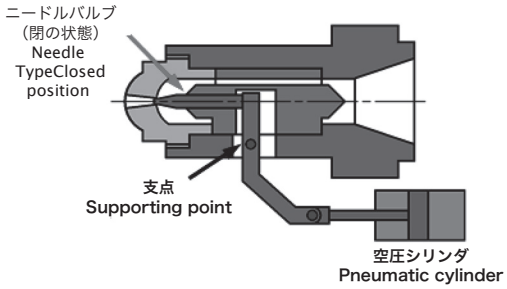
先端R Radius Sphere (mm)

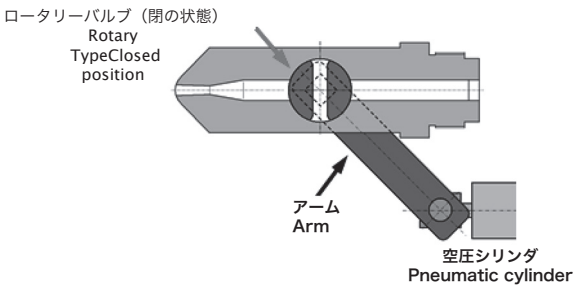
機種 Model	STD	OPTION	
～350SXⅢ	9	14	19
450SXⅢ～	19	14	-

2）シャットオフノズル（特別仕様） Pneumatic shut-off nozzle (OPT)

・射出工程以外は流路を塞ぐため、ドルーリング防止になります。
It is able to prevent drooling material to plug nozzle orifice except injection process.

・ニードルバルブタイプとロータリーバルブタイプがあります。
Selectable needle / rotary type shut-off nozzle as option.





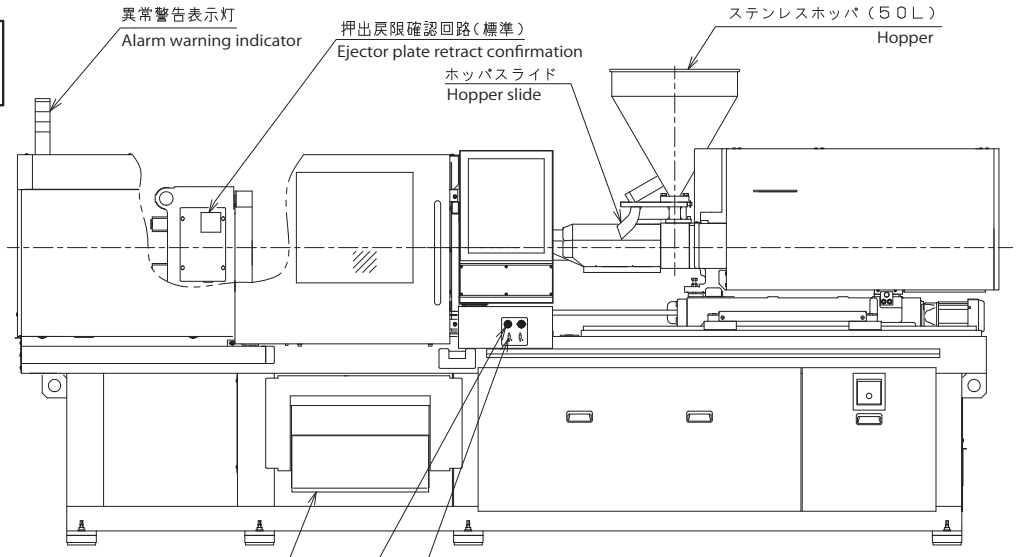
特長 Feature

ニードル式 ： 先端に残る樹脂量が少ない構造
Needle Type ： Less stagnant material in the front of orifice thanks to optimized design
ロータリー式 ： 圧力損出を低減するシンプルな構造
Rotary Type ： Low pressure loss thanks to simple designed orifice

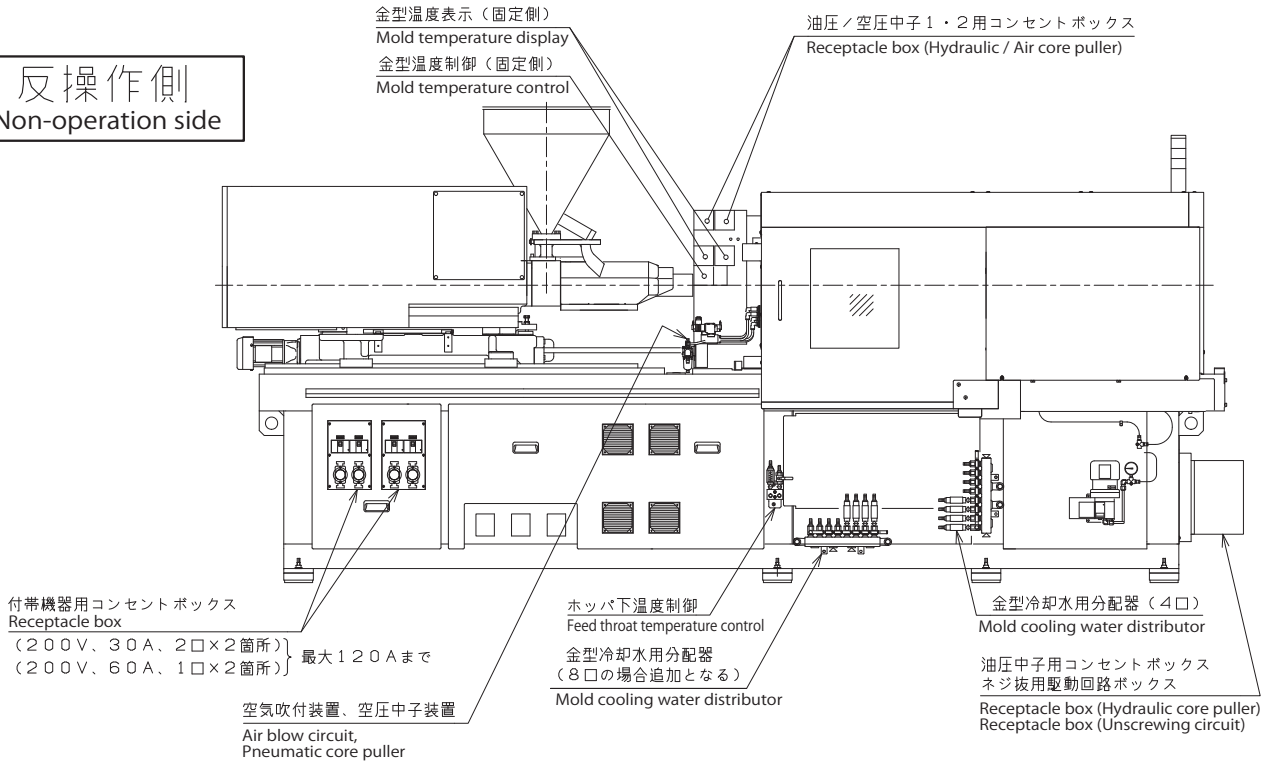
オプション配置図　Layout options
EC50SXⅢ～EC350SXⅢ

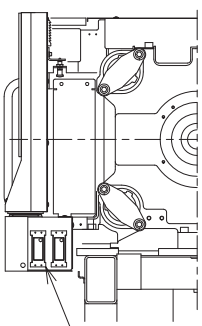
図面はEC75SXⅢの場合を示す
For EC75SXⅢ model

操作側
Operation side



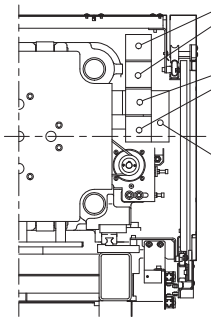
反操作側
Non-operation side





固定ダイ側
Stationary platen

作業用コンセント Receptacle box
（１００Ｖ、１５Ａ、２口）

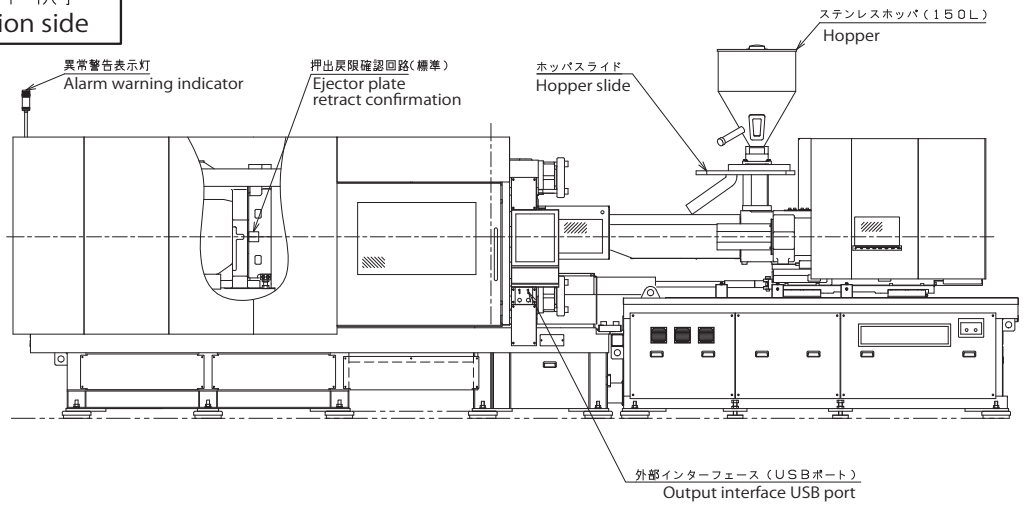


移動ダイ側
Movable platen

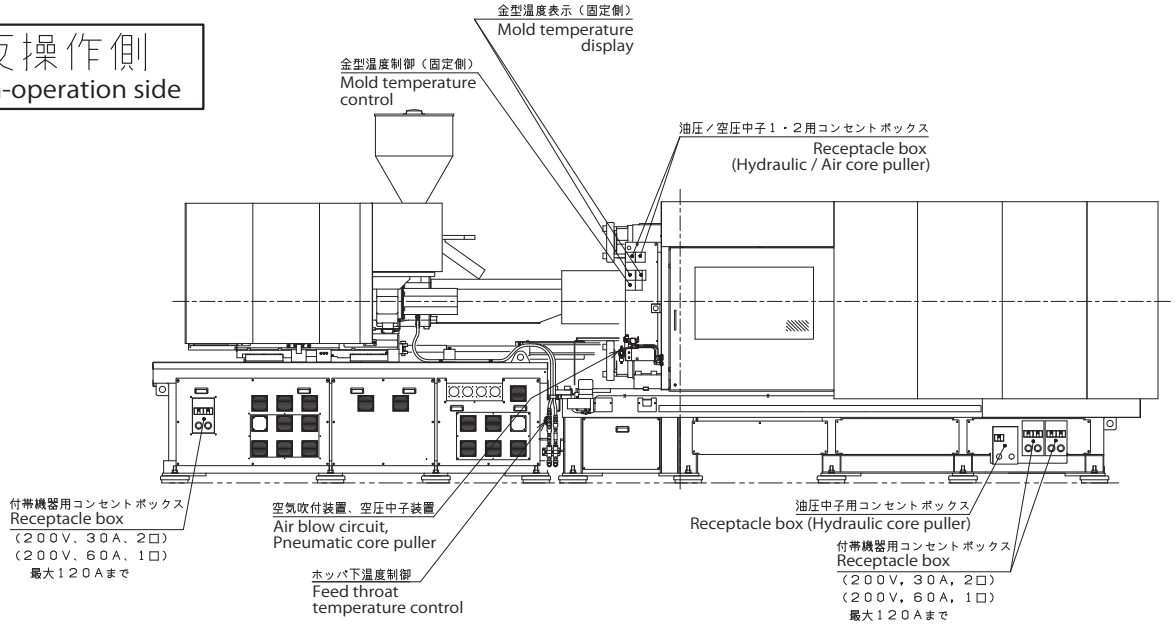
オプション配置図　Layout options
EC450SXⅢ～EC550SXⅢ

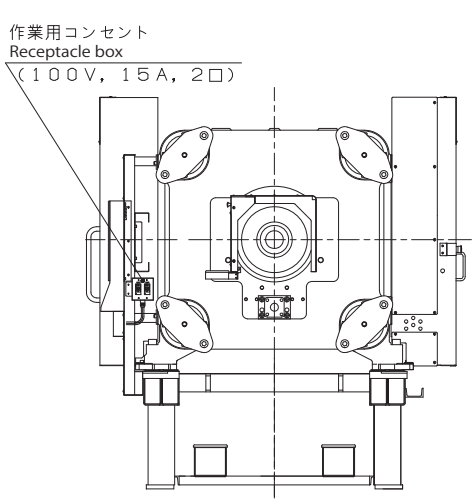
図面はEC450SXⅢの場合を示す
For EC450SXⅢ model

操作側
Operation side

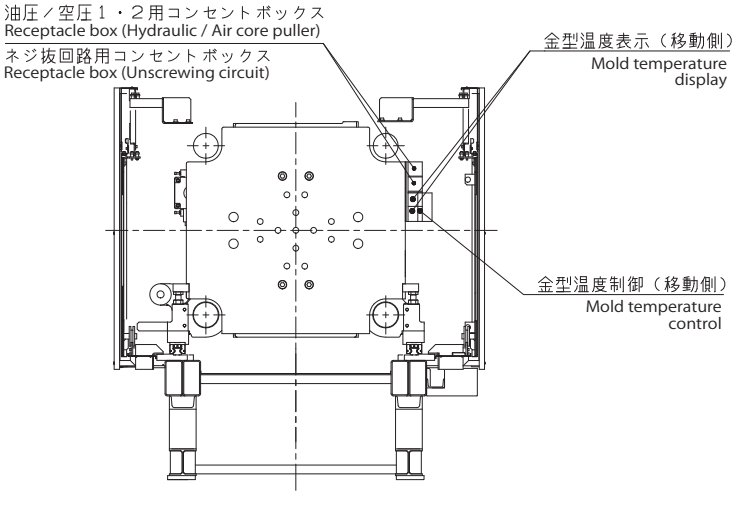


反操作側
Non-operation side





固定ダイ側
Stationary platen



移動ダイ側
Movable platen

ユーティリティ（Utility）

1.主電源ブレーカ容量　Main breaker capacity　(A)

機種 Machine Model	射出ユニット Injection Unit	標準 Standard	高速（高負荷） High-speed (High-load)
EC30SXⅡ	i0.4	40	ー(40)
	i1	40	75(40)
EC50SXⅢ	i1	40	75(40)
	i1.5	50	100(50)
EC75SXⅢ	i1.5	50	100(50)
	i2	75	125(75)
EC100SXⅢ	i2	75	125(75)
	i3	75	100(75)
	i4	100	125(100)
EC130SXⅢ	i3	75	100(75)
	i4	100	125(100)
EC180SXⅢ	i3	75	100(75)
	i4	100	125(100)
	i6	125	175(125)
	i8	125	175(125)
EC230SXⅢ	i4	100	125(100)
	i6	125	175(125)
	i8	125	175(125)
EC280SXⅢ	i10	125	175(125)
	i17	175	225(ー)
EC350SXⅢ	i10	125	175(125)
	i17	175	225(ー)
	i26	175	ー

(A)

機種 Machine Model	射出ユニット Injection Unit	標準 Standard	高速（高負荷） High-speed (High-load)
EC450SXⅢ	i17	175	225(ー)
	i26	200	ー
	i36	200	ー
EC550SXⅢ	i26	200	ー
	i36	200	ー
EC650SXⅢ	i36	350	ー
	i61	350	ー
	i78	400	ー
EC850SXⅢ	i61	350	ー
	i78	400	ー
	i120	400	ー
EC1000SXⅢ	i61	350	ー
	i78	400	ー
	i120	400	ー
EC1300SXⅢ EC1300SXⅢW	i78	400	ー
	i120	500	ー
	i155	500	ー
EC1600SXW EC1800SX	i120	500	ー
	i155	500	ー
EC2500SXⅢ	i155	600	ー
	i215	700	ー

◎電線サイズは標準仕様についてのものです。金型ヒータ、作業用コンセント、等付属する場合はサイズアップが必要となる場合があります。
Cable size is for standard machine. It will be sized up by options. (Mold heater, power outlet etc.)

◎電線サイズは配線長20m （450トン以上は30m） 600V CVケーブル 3芯 周囲温度40℃における許容電流値を基準にしています。
The size of wire is based on allowable current by 20m length (30m for above 450ton machine), 3 core 600V CV cable and ambient temperature 40 degrees Celsius.

2.一次電源電線サイズ・接地線サイズ　Primary power cable and grounding line sizes

機種 Machine Model	射出ユニット Injection Unit	一次電源電線サイズ（mm） Primary power cable size		一次側電源端子ネジサイズ Primary power terminal thread size	接地線サイズ Grounding line size	接地端子ネジサイズ Grounding terminal thread size
		標準 Standard	高速（高負荷） High-speed (High-load)			
EC30SXⅡ	i0.4	14sq	ー(14sq)	M10	5.5sq	M6
	i1	14sq	22sq(14sq)	M10	5.5sq	M6
EC50SXⅢ	i1	14sq	22sq(14sq)	M10	5.5sq	M6
	i1.5	14sq	38sq(14sq)	M10	5.5sq	M6
EC75SXⅢ	i1.5	14sq	38sq(14sq)	M10	5.5sq	M6
	i2	22sq	60sq(22sq)	M10	8sq	M6
EC100SXⅢ	i2	22sq	60sq(22sq)	M10	8sq	M6
	i3	22sq	38sq(22sq)	M10	8sq	M6
	i4	38sq	60sq(38sq)	M10	8sq	M6
EC130SXⅢ	i3	22sq	38sq(22sq)	M10	8sq	M6
	i4	38sq	60sq(38sq)	M10	8sq	M6
EC180SXⅢ	i3	22sq	38sq(22sq)	M10	8sq	M6
	i4	38sq	60sq(38sq)	M10	8sq	M6
	i6	60sq	100sq(60sq)	M10	14sq	M6
	i8	60sq	100sq(60sq)	M10	14sq	M6
EC230SXⅢ	i4	38sq	60sq(38sq)	M10	8sq	M6
	i6	60sq	100sq(60sq)	M10	14sq	M6
	i8	60sq	100sq(60sq)	M10	14sq	M6

機種 Machine Model	射出ユニット Injection Unit	一次電源電線サイズ（mm） Primary power cable size		一次側電源端子ネジサイズ Primary power terminal thread size	接地線サイズ Grounding line size	接地端子ネジサイズ Grounding terminal thread size
		標準 Standard	高速（高負荷） High-speed (High-duty)			
EC280SXⅢ	i10	60sq	100sq（60sq）	M12	14sq	M6
	i17	100sq	150sq（—）	M12	22sq	M6
EC350SXⅢ	i10	60sq	100sq（60sq）	M12	14sq	M6
	i17	100sq	150sq（—）	M12	22sq	M6
	i26	100sq	—	M12	22sq	M6
EC450SXⅢ	i17	100sq	150sq（—）	M12	22sq	M10
	i26	100sq	—	M12	22sq	M10
	i36	100sq	—	M12	22sq	M10
EC550SXⅢ	i26	100sq	—	M12	22sq	M10
	i36	100sq	—	M12	22sq	M10
EC650SXⅢ	i36	150sq	—	M12	38sq以上	M10
	i61	150sq	—	M12	38sq以上	M10
	i78	150sq	—	M12	60sq以上	M10
EC850SXⅢ	i61	150sq	—	M12	60sq以上	M10
	i78	150sq	—	M12	60sq以上	M10
	i120	200sq	—	M16	60sq以上	M10
EC1000SXⅢ	i61	150sq	—	M12	60sq以上	M10
	i78	150sq	—	M12	60sq以上	M10
	i120	200sq	—	M16	60sq以上	M10
EC1300SXⅢ EC1300SXⅢW	i78	150sq	—	M16	60sq以上	M10
	i120	200sq	—	M16	60sq以上	M10
	i155	250sq	—	M16	100sq以上	M10
EC1600SXW EC1800SX	i120	250sq	—	M16	100sq以上	M10
	i155	250sq	—	M16	100sq以上	M10
EC2500SXⅢ	i155	325.5sq	—	M16	100sq以上	M10
	i215	200sq×2	—	M16	100sq以上	M10

3.ホッパ下冷却水量
Required amount of Hopper throat cooling water

射出ユニット Injection Unit	ホッパ下冷却水 Required amount of Hopper throat cooling water ℓ/min
i1	10
i1.5	
i2	
i3	
i4	
i6	
i8	
i17	
i26	
i36	
i61	
i78	
i120	
i155	
i215	

4.油圧ユニット　Hydraulic pump

機種 Machine Model	形式 Type	吐出量 Discharge ℓ/min	圧力 Pressure MPa	電動機 Motor kW	系列 Line
EC30SXⅡ	T10L	11/13.2（50Hz/60Hz）	7	1.5	1
EC50SXⅢ			14	2.2	1
EC75SXⅢ					
EC100SXⅢ	T30L	30/36（50Hz/60Hz）	7	2.2	1
EC130SXⅢ					
EC180SXⅢ					
EC230SXⅡ/SXⅢ			14	5.5	2
EC280SXⅢ					
EC350SXⅢ					
EC450SXⅢ		40（60Hz）		3.7	
EC550SXⅢ					
EC650SXⅢ	T60L	60（60Hz）	14	5.0	
EC850SXⅢ					
EC1000SXⅢ					
EC1300SXⅢ					
EC1300SXⅢW					
EC1600SXW	D80L	80（60Hz）	21	7.0	
EC1800SX					
EC2500SXⅢ					

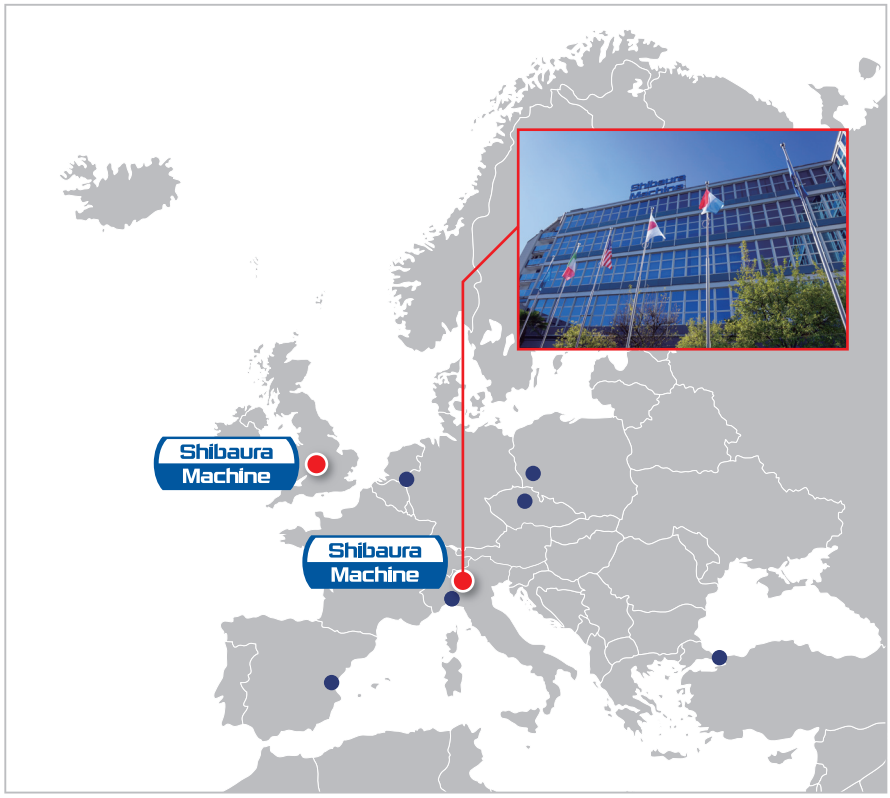
仕様一覧表（Specification Table）

● 標準（Standard）△オプション（Option）× 対応不可（Not applicable）

項目			ITEM		EC-SX/SXⅡ/SXⅢ		
					30~350ton	450~1300ton	1600ton以上
型締・押出 Clamp・Eject	高速3段・プログラム制御		3-step high speed programmable control		●	●	●
	金型保護制御	高速域2区間	Sensitivity mold protection control	2high-speed zones	●	●	●
		低圧型締		low-press	●	●	●
	低圧型締回路		Low pressure mold close circuit		●	●	●
	型締力2段デジタル設定		2-step clamping force setting		●	●	●
	ロックアップ遅延タイマ(LAP回路)		Lock up delay timer		●	●	●
	ロックアップ速度デジタル設定(LAP回路)		Lock up speed digital setting		●	●	●
	自動型厚調整装置		Automatic mold height adjustment		●	●	●
	金型取付運転モード減速減圧装置		Low pressure/speed control on mold set up mode		●	●	●
	取出機取付タップ加工		Tap holes for take-out robot		●	●	●
	機械式安全装置		Mechanical safety device		●	●	●
	移動ダイ支持装置		Movable platen support		●	●	●
	押出動作繰返し回数設定(1～8回・保持)		Repeatable ejector setting		●	●	●
	押出速度3段プログラム制御		3-step ejector speed programmable setting		●	●	●
	押出戻2位置プログラム制御		2-position ejector retract setting		●	●	●
	高応答押出制御		Quick response ejector control		●	●	●
	押出力デジタル設定		Ejector force digital setting		●	●	●
	押出保持時間		Ejector holding timer		●	●	●
	型開中押出(押出B回路)		Ejector during mold open		●	●	●
	押出遅延タイマ		Ejection delay timer		●	●	●
	押出トルクモニタ		Ejection torque monitor		●	●	●
	押出戻限確認回路		Ejector plate retract confirmation		●	●	●
	ゲートカット回路		Gate cut circuit		●	●	●
	Tミゾ付ダイプレート		T-slotted platen		×(30t), △(50～350t)	△	△
	製品排出シュート	50～350ton	Product chute	50～350ton	△	×	–
		450,550ton		450,550ton	×	△(450,550t)	×
	空気吹付装置(CB,CA回路)		Air blow circuit		△	△	△
	空圧中子装置(A,B,C,回路)		Pneumatic core puller		△	△	△
	空圧バルブゲート回路		Pneumatic valve gate		△	△	△
	断熱板		Insulating plate		△	△	△
	油圧中子装置電気回路		Electric circuit for hydraulic core puller		△	△	△
	油圧中子装置用ポンプユニット	可搬式	Hydraulic pump unit	Portable	△	△	△
		ビルトイン式		Built-in	×	●(450t), ×(550～1300t)	●
	金型自動クランプ装置		Mold clamp device		△	△	△
	金型自動クランプインターフェイス		Interface for mold clamp device		△	△	△
	安全扉自動開閉装置		Automatic safety door activiation		△(280,350t)	△	●
	安全扉自動開放装置		Automatic safety door opener		△(280,350t)	△	△
	プレストロール		PRESTROL		△	△	△
	コアバック		'CORE BACK'for foam formation molding		△	△	△
射出・可塑化 Injection・Plasticizing	オープンノズル		Open nozzle		●	●	●
	チップ式ノズル(i2A~i17)		Tip nozzle		×(30,50t), ●(75～350t)	●(450,550t), ×(650～1300t)	×
	標準スクリュアセンブリ		Screw assembly		●	●	●
	射出プログラム制御	12速・8圧	Programmable injection control	12speed・8pressure	●	●	●
		7速・6圧		7speed・6pressure	×	×	×
	保圧切替モード選択(位置・樹脂圧)		FPC mode selection (screw-position/injection pressure)		●	●	●
	保圧切替補正制御		FPC rapid stop circuit		●	●	●
	射出速度FF制御		Higher acceleration injection speed control		●	●	●
	スクリュ回転速度・背圧プログラム制御		Programmable screw speed/BP control		●	●	●
	背圧自動減圧制御(有・無選択付)		Automatic back pressure reduction control		●	●	●
	計量自動減速制御(有・無選択付)		Automatic screw speed reduction control		●	●	●
	計量完了後／計量前サックバック制御		Melt decompression control (after charge/before charge)		●	●	●
	自動パージ回路		Programmable auto purge circuit		●	●	●
	射出遅延タイマ(LAP回路)		Injection delay timer		●	●	●
	計量遅延タイマ		Charging delay timer		●	●	●

● 標準（Standard）△オプション（Option）× 対応不可（Not applicable）

項目			ITEM		EC-SX/SXⅡ/SXⅢ		
					30~350ton	450~1300ton	1600ton以上
射出・可塑化 Injection・Plasticizing	ノズル部安全カバー		Purge shield		●	●	●
	ホッパ口防錆スリーブ(i120以上はOPT)		Stainless sleeve on feed throat(i120 or more is option)		●	●	●
	スクリュ冷間起動防止制御		Screw cold prevention control		●	●	●
	ヒータSSR制御	ノズル	SSR-PID heater control	Nozzle	●	●	●
		バレル		Barrel	●	(MCR-PID)	(MCR-PID)
	ヒータ断線表示装置(バレル)		Heater burn out detector (Barrel)		●	●	●
	ホッパ下温度制御装置		Feed throat temperature control		●	●	●
	バレル温度FF制御		Barrle temperature FF control		●	●	●
	自動ヒートアップ回路		Programmed heat-up control		●	●	●
	バレル同時昇温機能		Synchronous temperature rise control		●	●	●
	バレル温度シフト動作制御		Barrel temperature shift control		●	●	●
	滞留樹脂過温防止回路		Stacked resin anti-burning circuit		●	●	●
	樹脂別専用スクリュ		Special screw for specific type resin		△	△	△
	耐蝕・耐摩耗スクリュ		Anti corrosion and anti wear screw		△	△	△
	耐蝕・耐摩耗バレル		Anti corrosion and anti wear barrel		△	△	△
	延長ノズル		Extension nozzle		△	△	△
	空圧式シャットオフノズル		Pneumatic shut-off nozzle		△	△	△
	ホッパ(ステンレス製)		Hopper		△	△	△
	高速射出仕様		Special high speed unit		△	△	△
	計量中型開閉動作		Mold open/close during charge		△	△	△
	バレル冷却装置		Barrel blower		△	△	△
	計量高トルク装置		High torque charge		△(i17,26only)	△	△
	樹脂供給装置		Feeder unit		△	△	△
制御 Control unit (INJECTVISOR-V50 (30t)/V70)	入力方法	ステップスイッチ	Input method	step switch	●	●	●
		テンキー		ten key	●	●	●
	設定データ登録	300型分	Process data storage	300 sets	●	●	●
	外部インターフェイス(USBポート)		Output interface USB port		●(2port)	●(2port)	●(2port)
	デジタル表示(位置・速度・圧力・温度・回転速度)		Digital display		●	●	●
	グラフィック表示	射出・計量・型締	Graphic display	injection/charge/clamp	●	●	●
		温度		temperature	●	●	●
	射出・計量波形	記憶・計測	Injection/charge profile display	memory/measure/function	●	●	●
		表示		display	●	●	●
	成形制御		Process control		●	●	●
	品質モニタリング		Quality monitoring		●	●	●
	異常監視機能		Process alarm function		●	●	●
	診断機能		Diagnosis function		●	●	●
	生産完了時動作停止回路		Production completion mode select		●	●	●
	モールドライザ機能(射出圧力)		MOLDLYZER (injection profile tolerance)		●	●	●
	iPAQET　LiTE		iPAQET LiTE		●	●	●
	インサート回路		Insert circuit		△(JIMS only), ×	△(JIMS only), ×	△(JIMS only), ×
	作業用コンセントボックス	200V、30A	Receptacle box	200V, 30A	△	△	△
		100V、15A		100V, 15A	△	△	△
	ネジ抜回路		Unscrewing circuit		△	△	△
	異常警告表示灯		Alarm light tower		△	△	△
	金型温度制御回路		Mold temperature control		△	△	△
	ホットランナー制御装置		Hot runner control		△	△	△
	合理化機器プラグイン		Auxiliary equipment plug in		△	△	△
	iPAQET		iPAQET		△	△	△
	ハイデューティ仕様		High duty		△	△	△
その他 Others	モーション／ノーモーション選択キースイッチ		Motion/No motion circuit		●	●	●
	自動給脂装置		Automatic lubricating		●	●	●
	給脂圧力異常検知装置		Lubricant malfunction detector		●	●	●
	レベルパッド		Leveling pads		●	△	△
	金型冷却水用分配器	4口	Mold cooling water distributor	4 ports	△	△	△



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