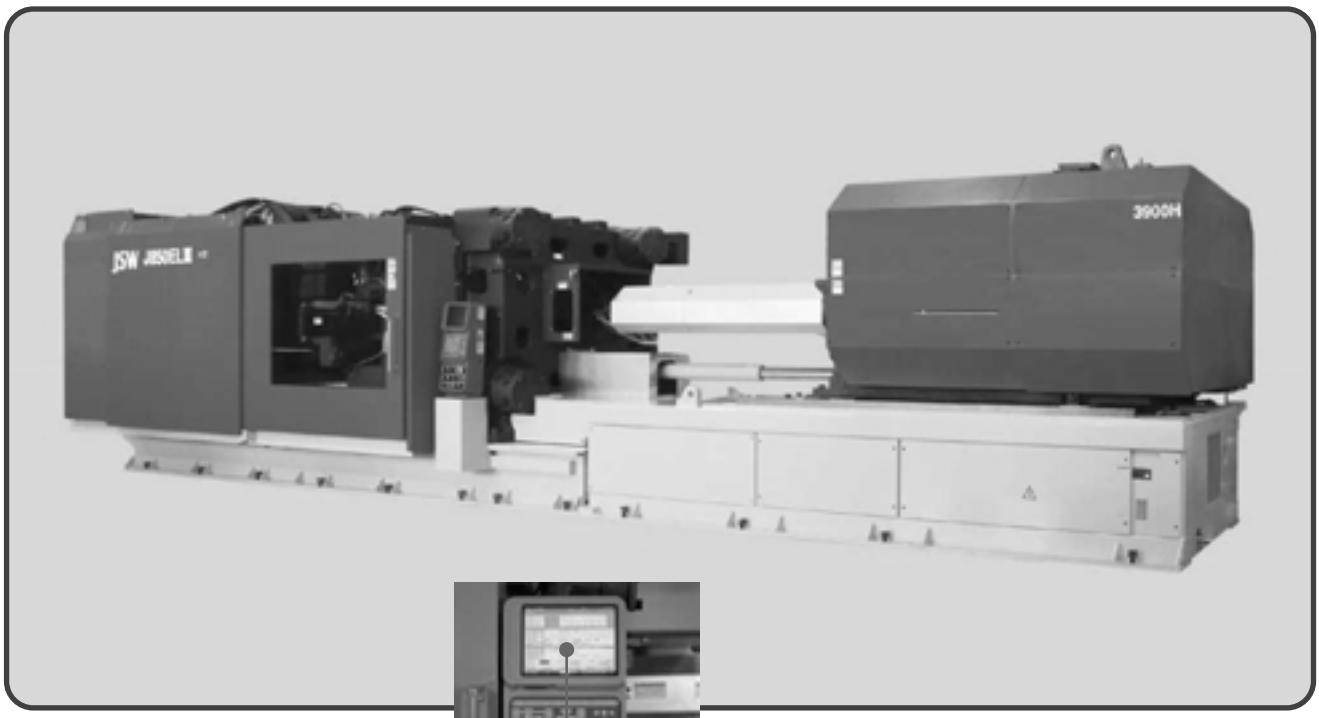
Electric Servo Drive

Large Size Electric Servo Drive Injection Molding Machine

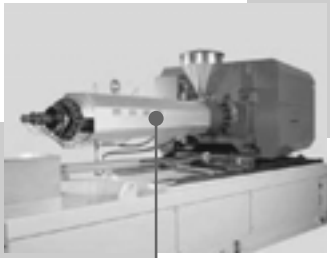
J-EL Ⅲ SERIES

Specifications



SYSCOM2000 TFT Color LCD Controller with Touch Panel

Injection-Compression (Standard Spec.)



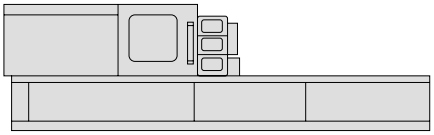
High Plasticizing Screw Cylinder

JSW Hiroshima Plant

JSW Injection Molding Machinery Division

J550ELⅢ

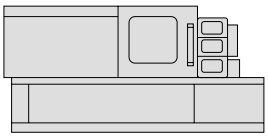
Mold Clamping Unit



Injection Unit	Screw Cylinder	Theoretical injection capacity (cm³)
1400H		K (1026) ※option
		A (1361)
		B (1663)
2300H		A (2328)
		B (2792)
3100H		A (3058)
		B (3613)

J650ELⅢ

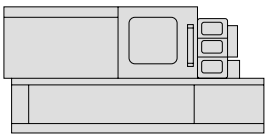
Mold Clamping Unit



Injection Unit	Screw Cylinder	Theoretical injection capacity (cm³)
2300H		A (2328)
		B (2792)
3100H		A (3058)
		B (3613)
3900H		A (3927)
		B (4752)

J850ELⅢ & J850ELⅢW

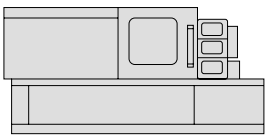
Mold Clamping Unit



Injection Unit	Screw Cylinder	Theoretical injection capacity (cm³)
3100H		A (3058)
		B (3613)
3900H		A (3927)
		B (4752)
5200H		A (5227)
		B (6220)

J1000ELⅢ

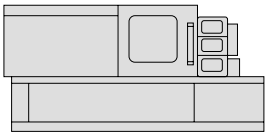
Mold Clamping Unit



Injection Unit	Screw Cylinder	Theoretical injection capacity (cm³)
3100H		A (3058)
		B (3613)
3900H		A (3927)
		B (4752)
5200H		A (5227)
		B (6220)

J1300ELⅢ

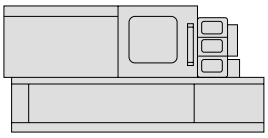
Mold Clamping Unit



Injection Unit	Screw Cylinder	Theoretical injection capacity (cm³)
3900H		A (3927)
		B (4752)
5200H		A (5227)
		B (6220)
7800H		A (7840)
		B (9331)

J1800ELⅢ

Mold Clamping Unit



Injection Unit	Screw Cylinder	Theoretical injection capacity (cm³)
5200H		A (5227)
		B (6220)
7800H		A (7840)
		B (9331)

Performance Table

Unit	Item \ Model	J550ELⅢ						
		1400H			2300H		3100H	
Injection Unit	Screw cylinder type	K (OP)	A	B	A	B	A	B
	Screw diameter mm	66	76	84	84	92	92	100
	Screw stroke mm	300			420		460	
	Theoretical injection capacity cm^3	1026	1361	1663	2328	2792	3058	3613
	Injection capacity (GP-PS) g	934	1238	1513	2118	2541	2783	3288
	Injection pressure (Max.) MPa {kgf/cm^2}	241 {2450}	182 {1850}	149 {1510}	190 {1930}	158 {1610}	185 {1880}	156 {1590}
	Holding pressure (Max.) MPa {kgf/cm^2}	216 {2200}	163 {1660}	134 {1360}	171 {1740}	142 {1440}	167 {1700}	140 {1200}
	Injection speed mm/s	160			160		160	
	Injection rate cm^3/s	547	726	887	887	1064	1064	1257
	Plasticizing rate (GP-PS) kg/h	237	338	418	370	470	470	580
	Screw speed min^{-1}	210			165		165	
	Nozzle touch force kN {tf}	39.3 {4.0}			59.0 {6.0}		59.0 {6.0}	
	Nozzle stroke from platen mm	50						
	Type of nozzle	Open nozzle						
	Cylinder temperature control	Cylinder 4 / Nozzle 1						
	Heater wattage kW	34.9			40.0		45.2	
Clamping Unit	Mechanism	Double toggle						
	Clamping force kN {tf}	5400 {550}						
	Daylight opening (Max.) mm	1700						
	Opening stroke (Max.) mm	900						
	Mold height mm	400～800						
	Distance between tie-bars (H×V) mm	960×900						
	Platen size (H×V) mm	1380×1320						
	Ejector type	21 points						
	Ejector force kN {tf}	118 {12.0}						
	Ejector stroke mm	180						
General	Machine weight t	32			35		35	
	Machine dimensions (L×W×H) m	8.94×2.31×2.52			9.67×2.31×2.52		9.70×2.31×2.52	

Remarks:
1.Injection pressure of J-EL Ⅲ series is different from that of JSW's hydraulic machines.
2.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
3.The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
4.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
5.The plasticizing rate is applicable for GP-PS.
6.PC (polycarbonate), HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.

Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.1MPa=10.2 kgf/cm^2,1kN=0.102tf

Performance Table

Unit	Item \ Model	J650ELⅢ					
		2300H		3100H		3900H	
Injection Unit	Screw cylinder type	A	B	A	B	A	B
	Screw diameter mm	84	92	92	100	100	110
	Screw stroke mm	420		460		500	
	Theoretical injection capacity cm^3	2328	2792	3058	3613	3927	4752
	Injection capacity (GP-PS) g	2118	2541	2783	3288	3574	4324
	Injection pressure (Max.) MPa {kgf/cm^2}	190 {1930}	158 {1610}	185 {1880}	156 {1590}	185 {1880}	153 {1560}
	Holding pressure (Max.) MPa {kgf/cm^2}	171 {1740}	142 {1440}	167 {1700}	140 {1420}	167 {1700}	138 {1400}
	Injection speed mm/s	160		160		160	
	Injection rate cm^3/s	887	1064	1064	1257	1257	1521
	Plasticizing rate (GP-PS) kg/h	370	470	470	580	500	620
	Screw speed min^{-1}	165		165		140	
	Nozzle touch force kN {tf}	59.0 {6.0}		59.0 {6.0}		59.0 {6.0}	
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Cylinder temperature control	Cylinder 4 / Nozzle 1					
	Heater wattage kW	40.0		45.2		47.0	
Clamping Unit	Mechanism	Double toggle					
	Clamping force kN {tf}	6380 {650}					
	Daylight opening (Max.) mm	2000					
	Opening stroke (Max.) mm	1000					
	Mold height mm	450～1000					
	Distance between tie-bars (H×V) mm	1060×960					
	Platen size (H×V) mm	1500×1400					
	Ejector type	25 points					
	Ejector force kN {tf}	177 {18.0}					
	Ejector stroke mm	200					
General	Machine weight t	41		41		44	
	Machine dimensions (L×W×H) m	10.44×2.40×2.47		10.44×2.40×2.47		10.94×2.40×2.47	

Remarks:
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2.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
3.The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
4.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
5.The plasticizing rate is applicable for GP-PS.
6.PC (polycarbonate), HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.

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4.1MPa=10.2 kgf/cm^2,1kN=0.102tf

Performance Table

Unit	Item \ Model	J850ELⅢ					
		3100H		3900H		5200H	
Injection Unit	Screw cylinder type	A	B	A	B	A	B
	Screw diameter mm	92	100	100	110	110	120
	Screw stroke mm	460		500		550	
	Theoretical injection capacity cm^3	3058	3613	3927	4752	5227	6220
	Injection capacity (GP-PS) g	2783	3288	3574	4324	4757	5660
	Injection pressure (Max.) MPa {kgf/cm^2}	185 {1880}	156 {1590}	185 {1880}	153 {1560}	172 {1750}	144 {1460}
	Holding pressure (Max.) MPa {kgf/cm^2}	167 {1700}	140 {1420}	167 {1700}	138 {1400}	155 {1580}	130 {1320}
	Injection speed mm/s	160		160		160	
	Injection rate cm^3/s	1064	1257	1257	1521	1521	1810
	Plasticizing rate (GP-PS) kg/h	470	580	500	620	580	720
	Screw speed min^{-1}	165		140		130	
	Nozzle touch force kN {tf}	59.0 {6.0}		59.0 {6.0}		59.0 {6.0}	
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Cylinder temperature control	Cylinder 4 / Nozzle 1					
	Heater wattage kW	45.2		47.0		55.0	
Clamping Unit	Mechanism	Double toggle					
	Clamping force kN {tf}	8340 {850}					
	Daylight opening (Max.) mm	2300					
	Opening stroke (Max.) mm	1200					
	Mold height mm	500～1100					
	Distance between tie-bars (H×V) mm	1060×1060					
	Platen size (H×V) mm	1590×1590					
	Ejector type	29 points					
	Ejector force kN {tf}	230 {23.5}					
	Ejector stroke mm	200					
General	Machine weight t	51		54		54	
	Machine dimensions (L×W×H) m	11.06×2.49×2.63		11.56×2.49×2.63		11.70×2.49×2.63	

Remarks:
1.Injection pressure of J-ELⅢ series is different from that of JSW's hydraulic machines.
2.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
3.The theoretical injection capacity is (cross sectional area of cylinder)×(stroke of screw).
4.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
5.The plasticizing rate is applicable for GP-PS.
6.PC (polycarbonate), HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.

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Performance Table

Unit	Item \ Model	J850ELⅢW					
		3100H		3900H		5200H	
Injection Unit	Screw cylinder type	A	B	A	B	A	B
	Screw diameter mm	92	100	100	110	110	120
	Screw stroke mm	460		500		550	
	Theoretical injection capacity cm^3	3058	3613	3927	4752	5227	6220
	Injection capacity (PS) g	2783	3288	3574	4324	4757	5660
	Injection pressure (Max.) MPa {kgf/cm^2}	185 {1880}	156 {1590}	185 {1880}	153 {1560}	172 {1750}	144 {1460}
	Holding pressure (Max.) MPa {kgf/cm^2}	167 {1700}	140 {1420}	167 {1700}	138 {1400}	155 {1580}	130 {1320}
	Injection speed mm/s	160		160		160	
	Injection rate cm^3/s	1064	1257	1257	1521	1521	1810
	Plasticizing rate (PS) kg/h	470	580	500	620	580	720
	Screw speed min^{-1}	165		140		130	
	Nozzle touch force kN {tf}	59.0 {6.0}		59.0 {6.0}		59.0 {6.0}	
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Cylinder temperature control	Cylinder 4 / Nozzle 1					
	Heater wattage kW	45.2		47.0		55.0	
Clamping Unit	Mechanism	Double toggle					
	Clamping force kN {tf}	8340 {850}					
	Daylight opening (Max.) mm	2300					
	Opening stroke (Max.) mm	1200					
	Mold height mm	500～1100					
	Distance between tie-bars (H×V) mm	1320×1060					
	Platen size (H×V) mm	1850×1590					
	Ejector type	29 points					
	Ejector force kN {tf}	230 {23.5}					
	Ejector stroke mm	200					
General	Machine weight t	54		57		57	
	Machine dimensions (L×W×H) m	11.06×2.85×2.63		11.56×2.85×2.63		11.70×2.85×2.63	

Remarks:
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2.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
3.The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
4.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
5.The plasticizing rate is applicable for GP-PS.
6.PC (polycarbonate), HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.

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4.1MPa=10.2 kgf/cm^2,1kN=0.102tf

Performance Table

Unit	Item \ Model	J1000ELⅢ					
		3100H		3900H		5200H	
Injection Unit	Screw cylinder type	A	B	A	B	A	B
	Screw diameter mm	92	100	100	110	110	120
	Screw stroke mm	460		500		550	
	Theoretical injection capacity cm^3	3058	3613	3927	4752	5227	6220
	Injection capacity (GP-PS) g	2783	3288	3574	4324	4757	5660
	Injection pressure (Max.) MPa {kgf/cm^2}	185 {1880}	156 {1590}	185 {1880}	153 {1560}	172 {1750}	144 {1460}
	Holding pressure (Max.) MPa {kgf/cm^2}	167 {1700}	140 {1420}	167 {1700}	138 {1400}	155 {1580}	130 {1320}
	Injection speed mm/s	160		160		160	
	Injection rate cm^3/s	1064	1257	1257	1521	1521	1810
	Plasticizing rate (GP-PS) kg/h	470	580	500	620	580	720
	Screw speed min^{-1}	165		140		130	
	Nozzle touch force kN {tf}	59.0 {6.0}		59.0 {6.0}		59.0 {6.0}	
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Cylinder temperature control	Cylinder 4 / Nozzle 1					
	Heater wattage kW	45.2		47.0		55.0	
Clamping Unit	Mechanism	Double toggle					
	Clamping force kN {tf}	9810 {1000}					
	Daylight opening (Max.) mm	2500					
	Opening stroke (Max.) mm	1300					
	Mold height mm	500～1200					
	Distance between tie-bars (H×V) mm	1320×1320					
	Platen size (H×V) mm	1900×1900					
	Ejector type	29 points					
	Ejector force kN {tf}	230 {23.5}					
	Ejector stroke mm	200					
General	Machine weight t	67		71		71	
	Machine dimensions (L×W×H) m	11.70×2.97×2.92		12.20×2.97×2.92		12.34×2.97×2.92	

Remarks:
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3.The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
4.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
5.The plasticizing rate is applicable for GP-PS.
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Performance Table

Unit	Item \ Model	J1300ELⅢ					
		3900H		5200H		7800H	
Injection Unit	Screw cylinder type	A	B	A	B	A	B
	Screw diameter mm	100	110	110	120	110	120
	Screw stroke mm	500		550		825	
	Theoretical injection capacity cm^3	3927	4752	5227	6220	7840	9331
	Injection capacity (GP-PS) g	3574	4324	4757	5660	7135	8491
	Injection pressure (Max.) MPa {kgf/cm^2}	185 {1880}	153 {1560}	172 {1750}	144 {1460}	180 {1830}	151 {1530}
	Holding pressure (Max.) MPa {kgf/cm^2}	167 {1700}	138 {1400}	155 {1580}	130 {1320}	162 {1650}	136 {1380}
	Injection speed mm/s	160		160		150	
	Injection rate cm^3/s	1257	1521	1521	1810	1425	1696
	Plasticizing rate (GP-PS) kg/h	500	620	580	720	570	660
	Screw speed min^{-1}	140		130		150	140
	Nozzle touch force kN {tf}	59.0 {6.0}		59.0 {6.0}		59.0 {6.0}	
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Cylinder temperature control	Cylinder 4 / Nozzle 1				Cylinder 6 / Nozzle 2	
	Heater wattage kW	47.0		55.0		59.0	
Clamping Unit	Mechanism	Double toggle					
	Clamping force kN {tf}	12800 {1300}					
	Daylight opening (Max.) mm	2800					
	Opening stroke (Max.) mm	1500					
	Mold height mm	650～1300					
	Distance between tie-bars (H×V) mm	1400×1400					
	Platen size (H×V) mm	2000×2000					
	Ejector type	29 points					
	Ejector force kN {tf}	300 {30.5}					
	Ejector stroke mm	250					
General	Machine weight t	89		89		91	
	Machine dimensions (L×W×H) m	13.02×3.07×3.08		13.22×3.07×3.08		14.17×3.07×3.08	

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3.The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
4.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
5.The plasticizing rate is applicable for GP-PS.
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Performance Table

Unit	Item \ Model	J1800ELⅢ			
		5200H		7800H	
Injection Unit	Screw cylinder type	A	B	A	B
	Screw diameter mm	110	120	110	120
	Screw stroke mm	550		825	
	Theoretical injection capacity cm^3	5227	6220	7840	9331
	Injection capacity (GP-PS) g	4757	5660	7135	8491
	Injection pressure (Max.) MPa {kgf/cm^2}	172 {1750}	144 {1460}	180 {1830}	151 {1530}
	Holding pressure (Max.) MPa {kgf/cm^2}	155 {1580}	130 {1320}	162 {1650}	136 {1380}
	Injection speed mm/s	160		150	
	Injection rate cm^3/s	1521	1810	1425	1696
	Plasticizing rate (GP-PS) kg/h	580	720	570	660
	Screw speed min^{-1}	130		150	140
	Nozzle touch force kN {tf}	59.0 {6.0}			
	Nozzle stroke from platen mm	50			
	Type of nozzle	Open nozzle			
	Cylinder temperature control	Cylinder 4 / Nozzle 2		Cylinder 6 / Nozzle 2	
	Heater wattage kW	55.0		59.0	
Clamping Unit	Mechanism	Double toggle			
	Clamping force kN {tf}	17700 {1800}			
	Daylight opening (Max.) mm	3200			
	Opening stroke (Max.) mm	1700			
	Mold height mm	800～1500			
	Distance between tie-bars (H×V) mm	1850×1620			
	Platen size (H×V) mm	2550×2320			
	Ejector type	37 points			
	Ejector force kN {tf}	380 {38.7}			
	Ejector stroke mm	300			
General	Machine weight t	129		131	
	Machine dimensions (L×W×H) m	14.08×3.72×3.51		14.94×3.72×3.51	

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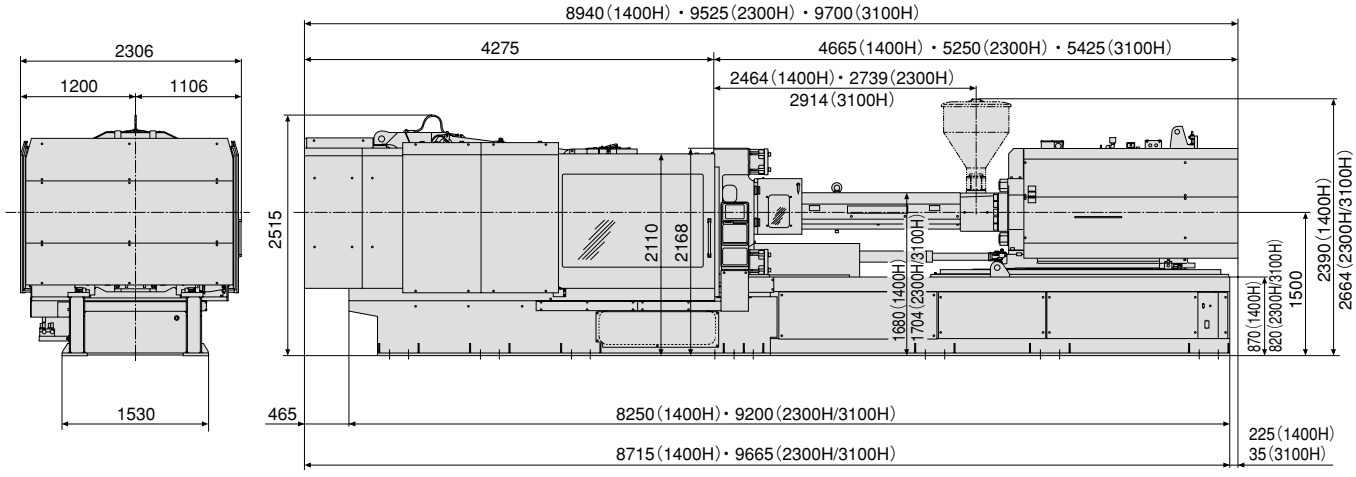
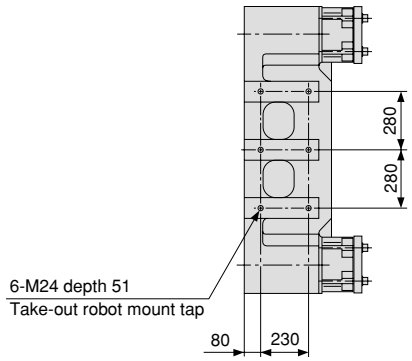
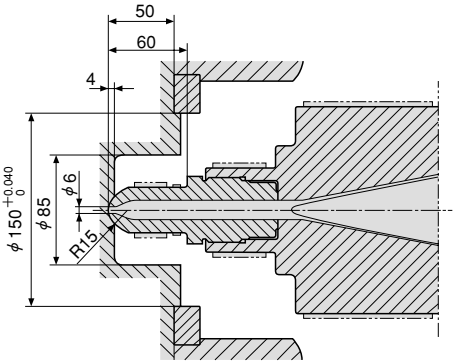
Equipment Dimensions and Mold Related Dimensions

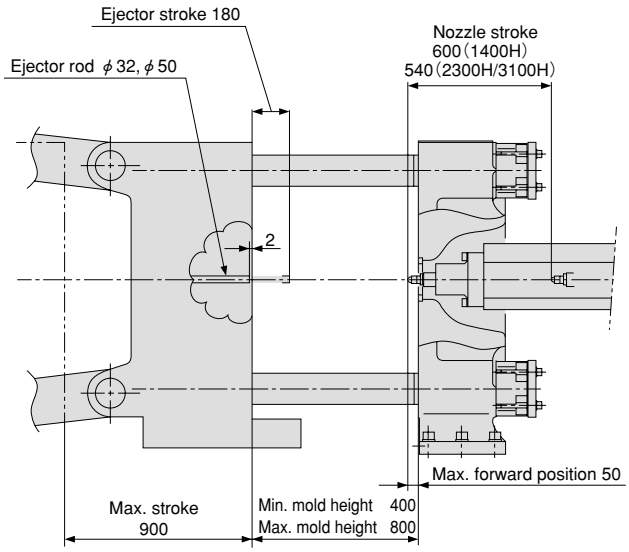
J550ELⅢ

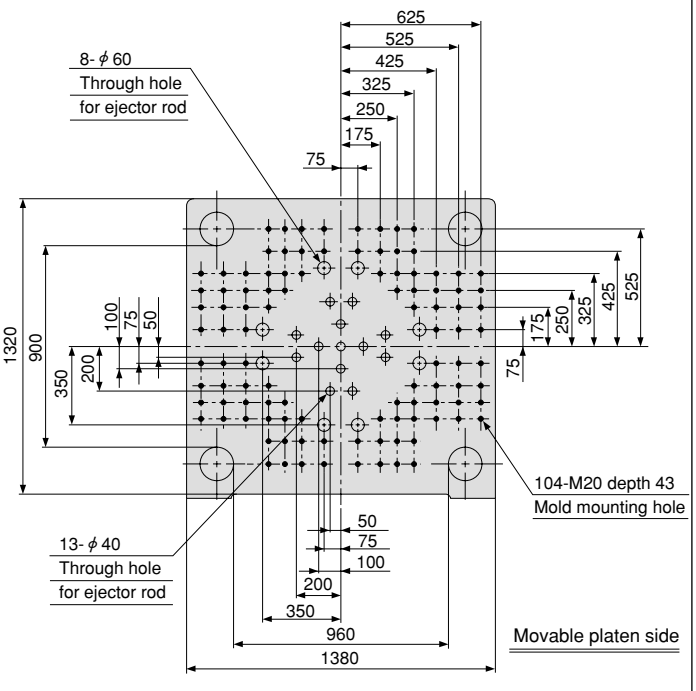




Upper surface of stationary platen

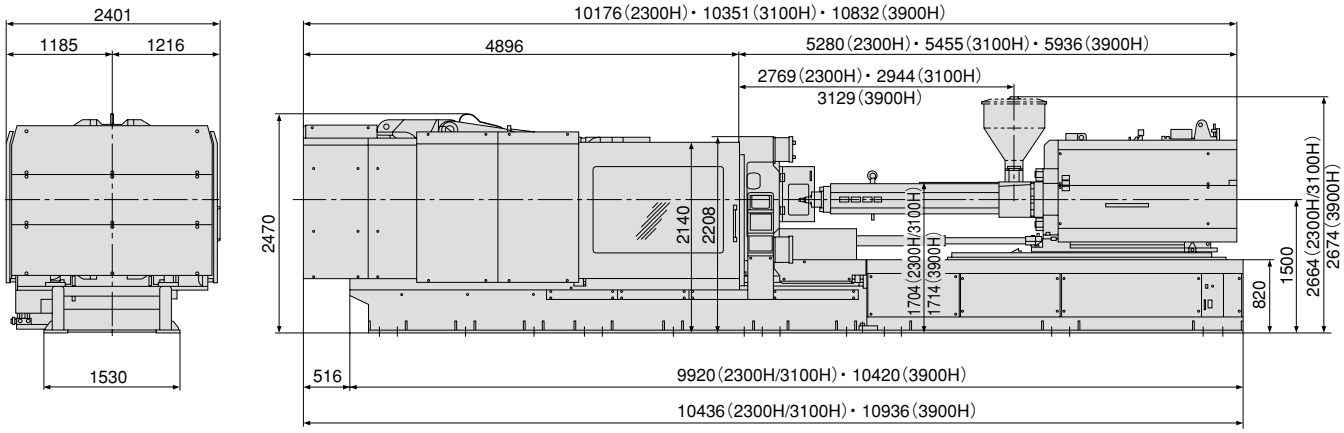


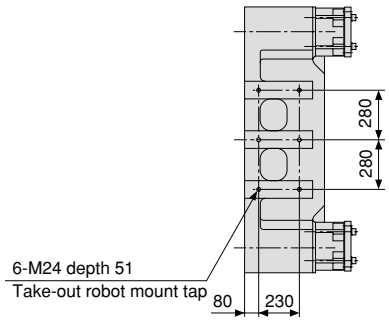




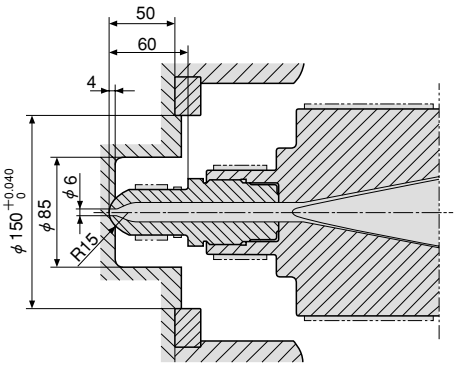
Equipment Dimensions and Mold Related Dimensions

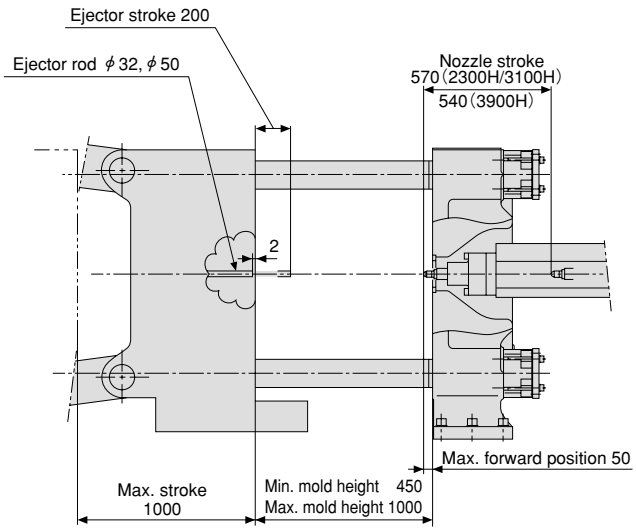
J650EL Ⅲ

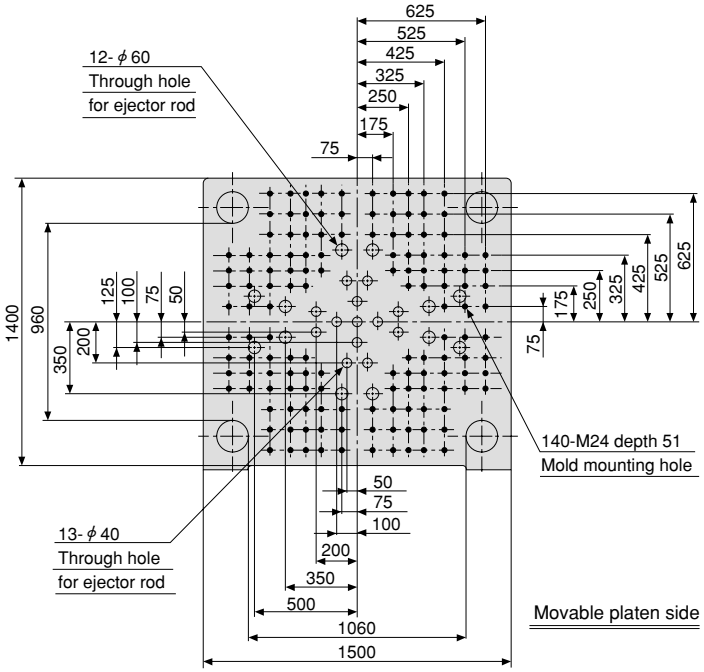




Upper surface of stationary platen



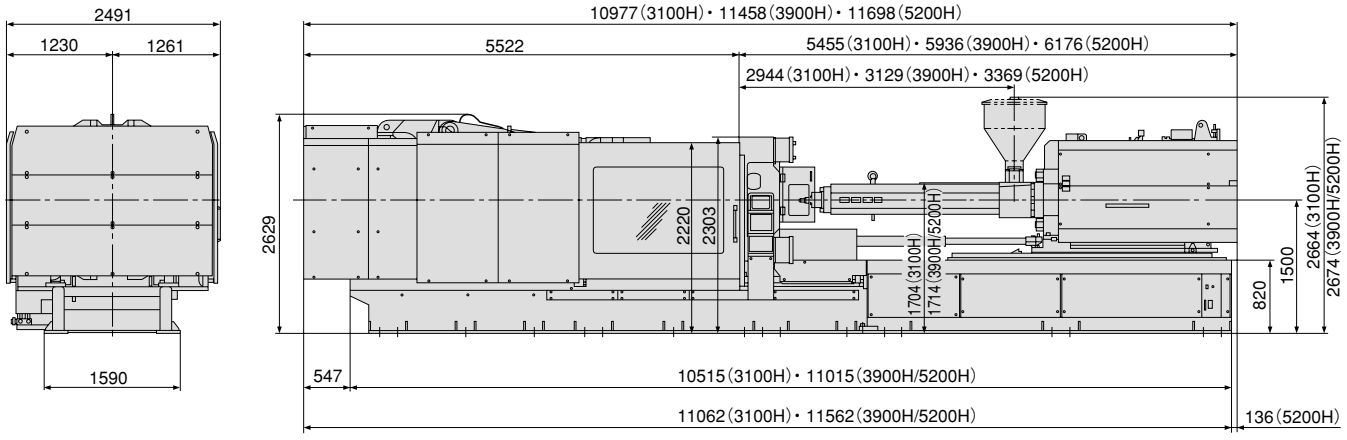


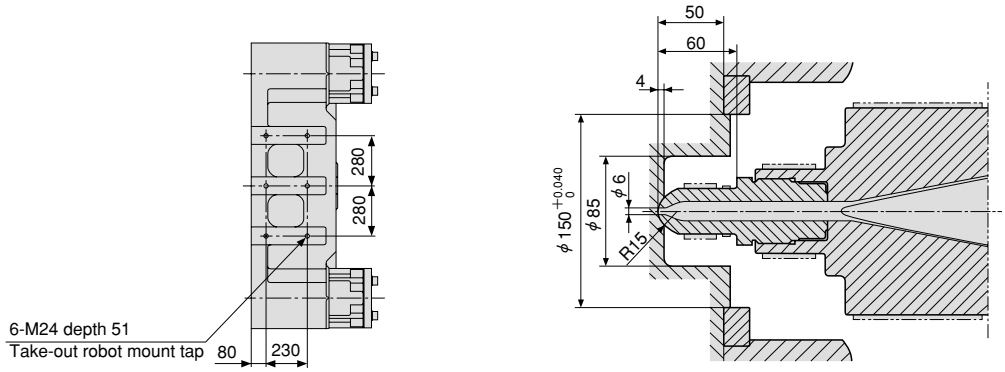


Movable platen side

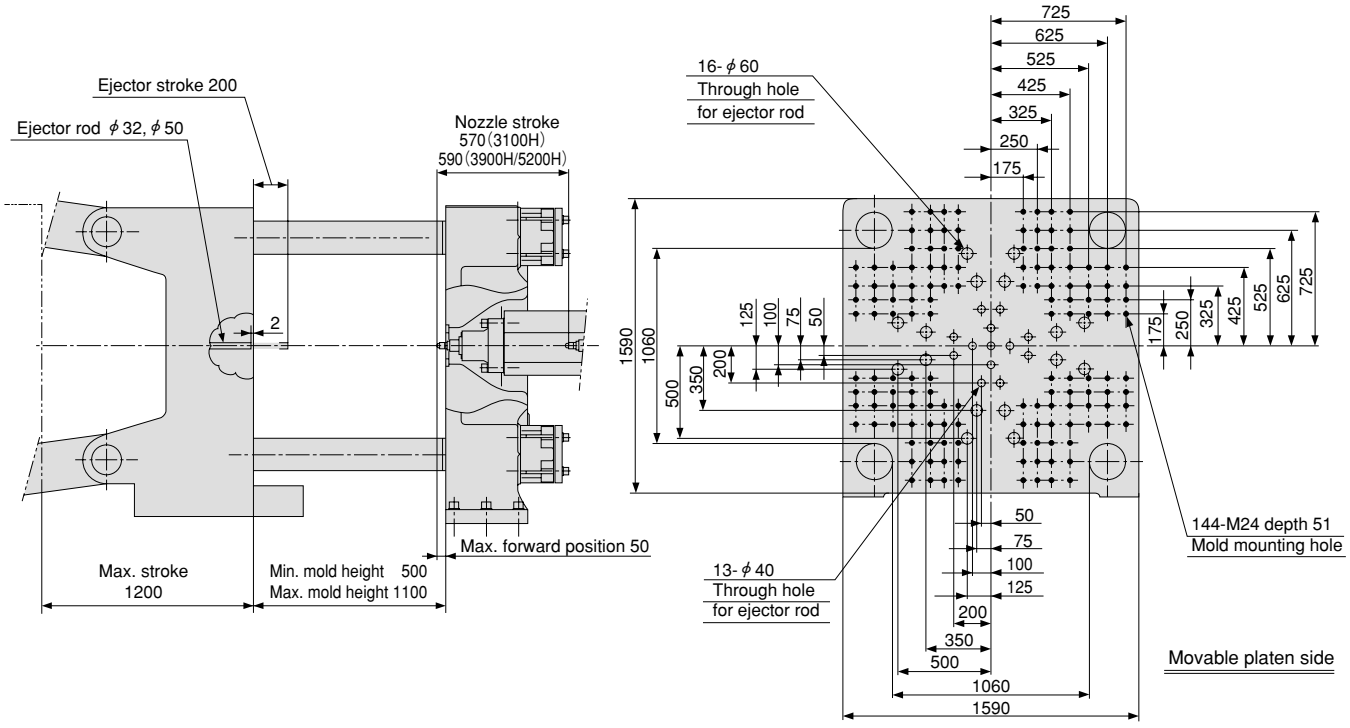
Equipment Dimensions and Mold Related Dimensions

J850ELⅢ





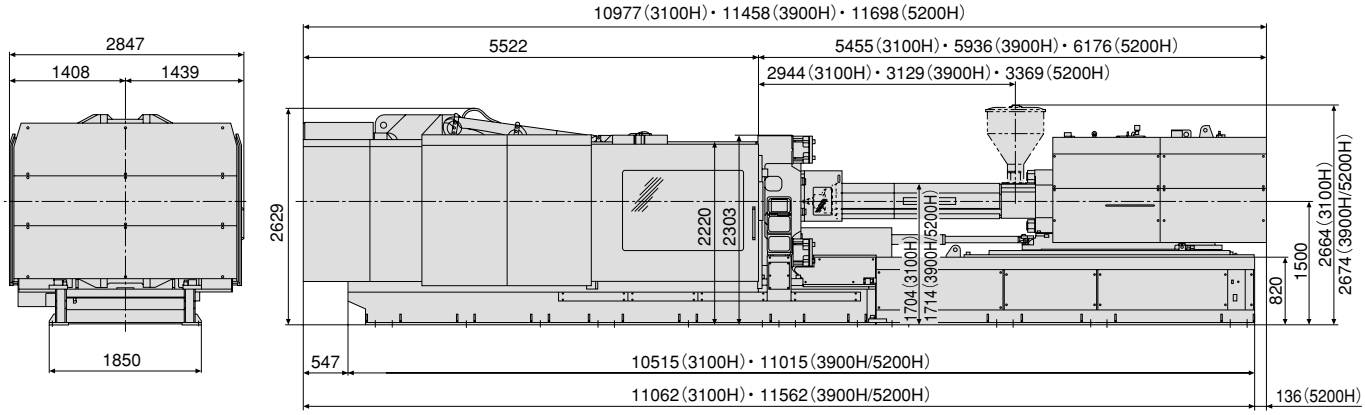
Upper surface of stationary platen

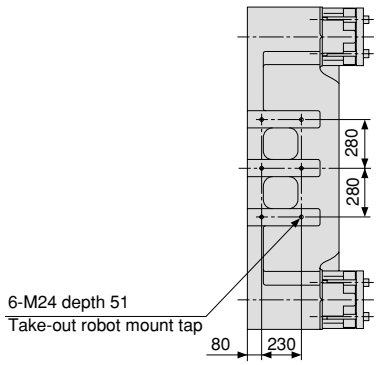


Movable platen side

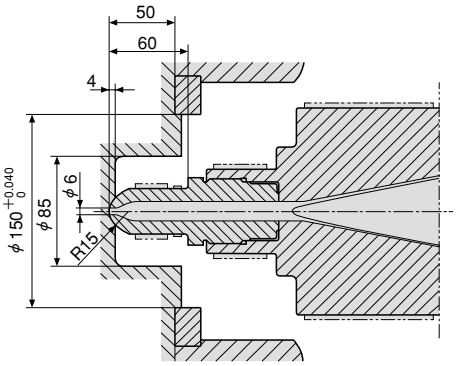
Equipment Dimensions and Mold Related Dimensions

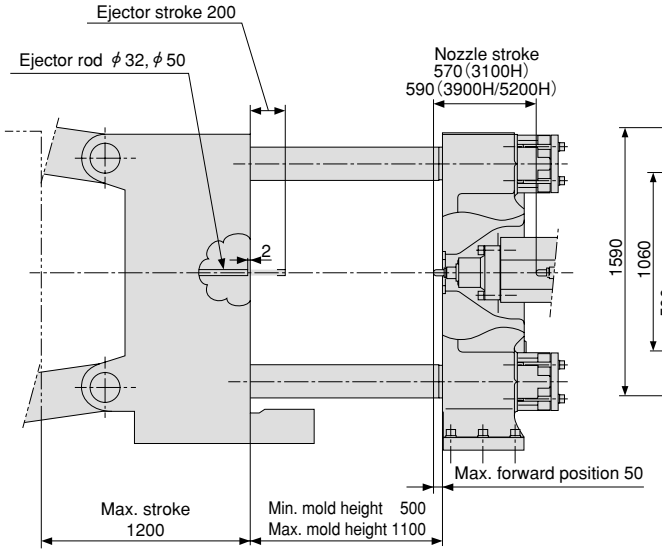
J850ELⅢW

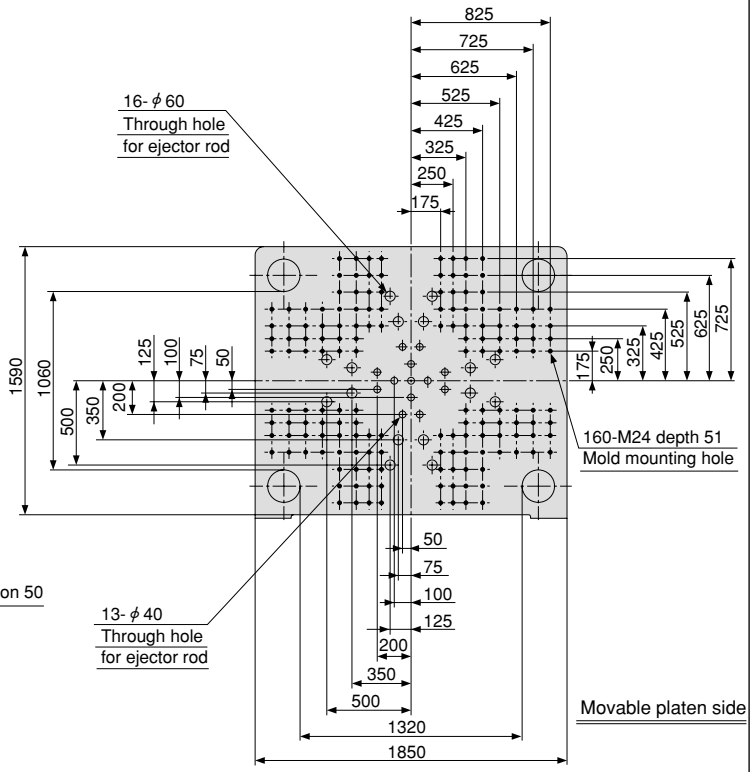




Upper surface of stationary platen

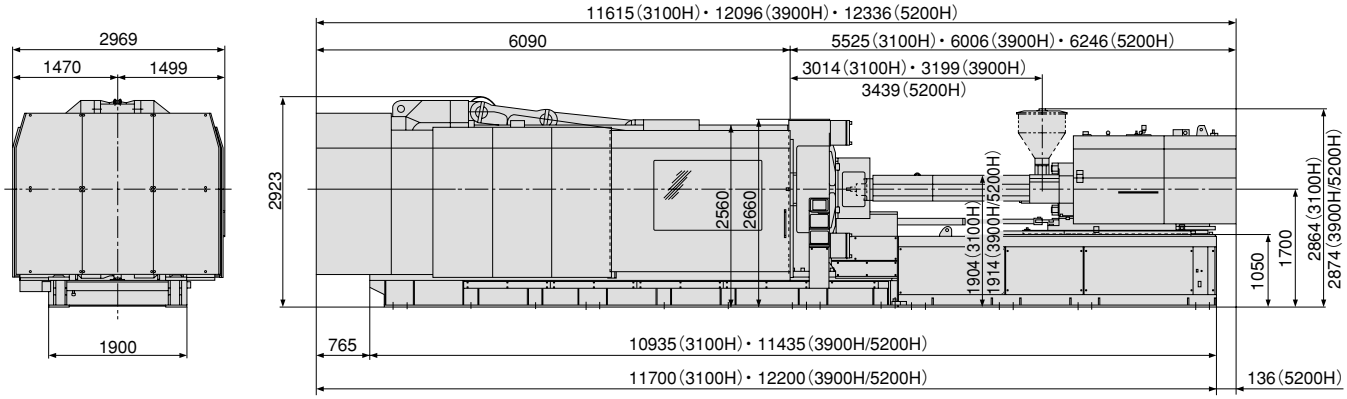


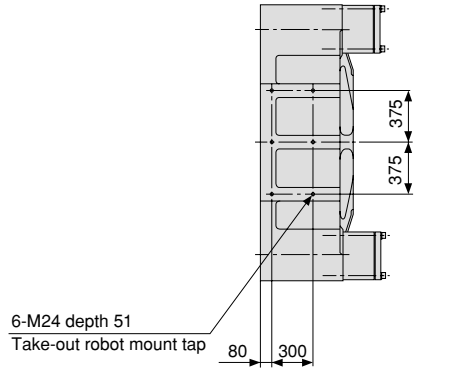




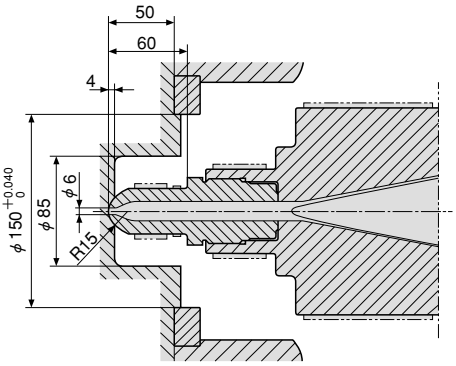
Equipment Dimensions and Mold Related Dimensions

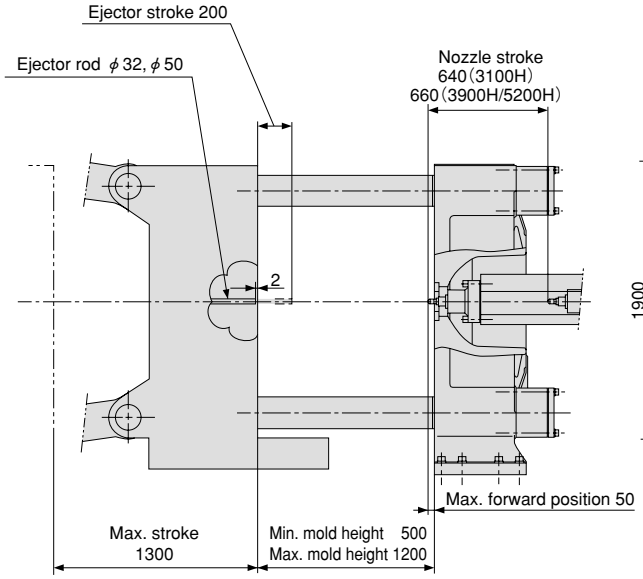
J1000EL Ⅲ

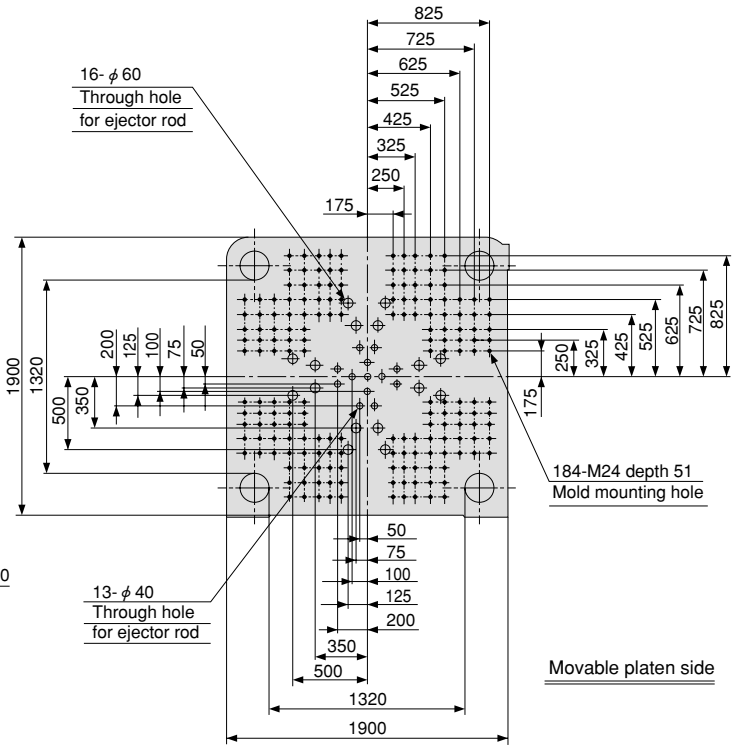




Upper surface of stationary platen



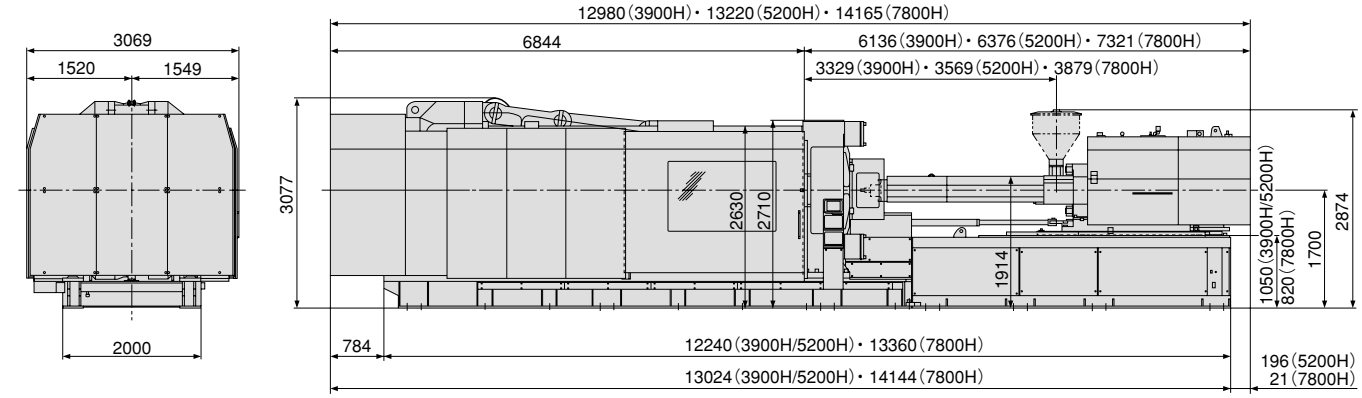


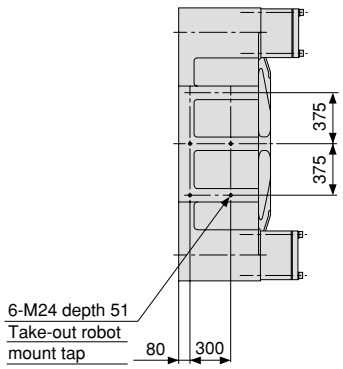


Movable platen side

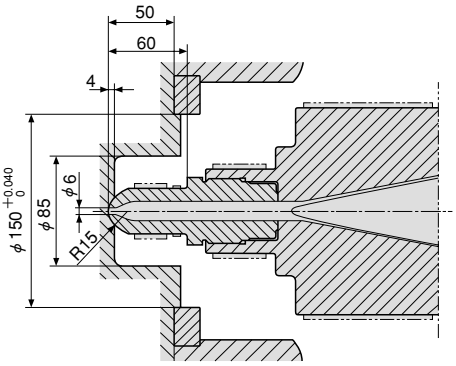
Equipment Dimensions and Mold Related Dimensions

J1300EL Ⅲ

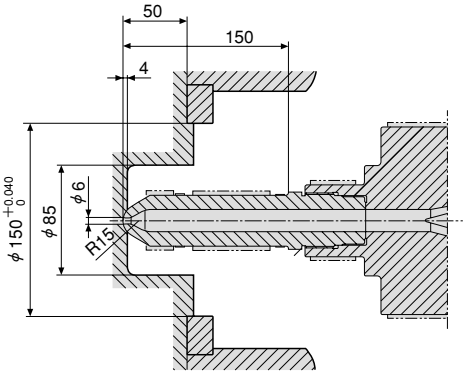




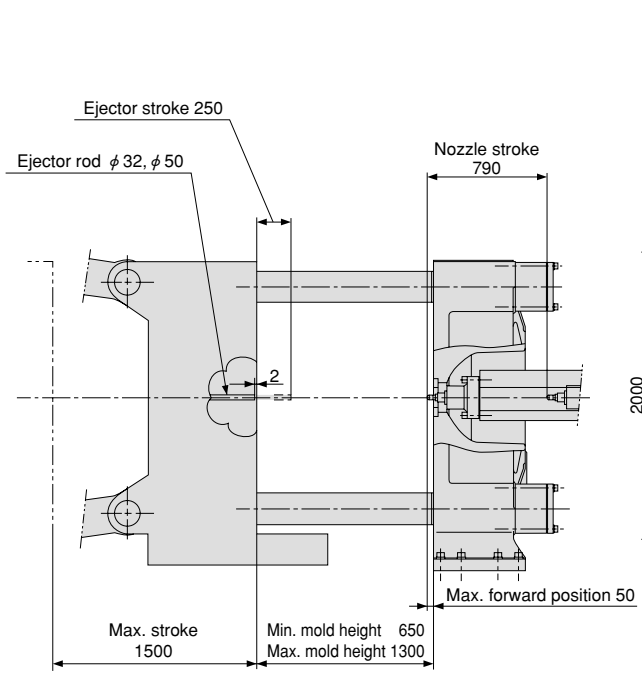
Upper surface of stationary platen

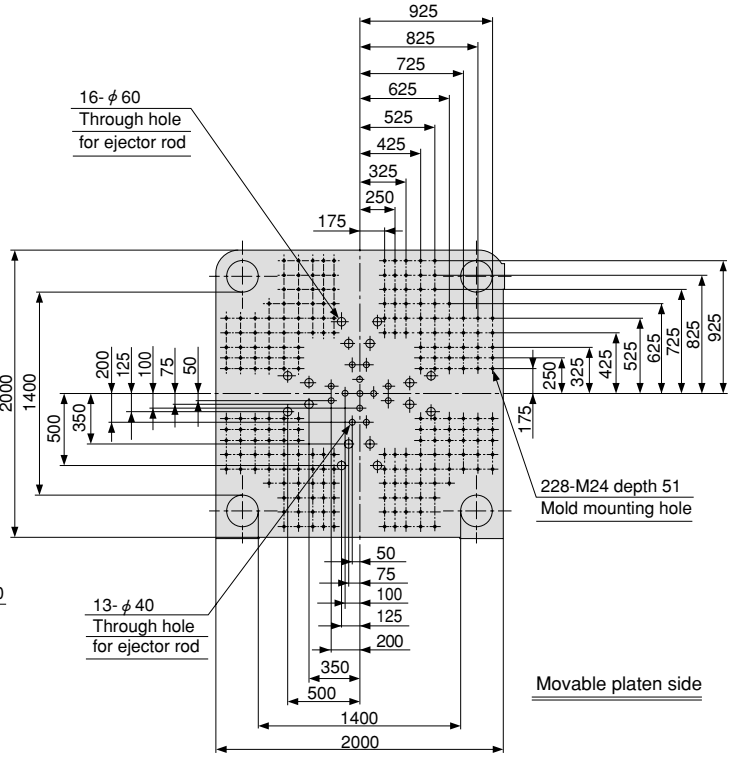


3900H / 5200H



7800H

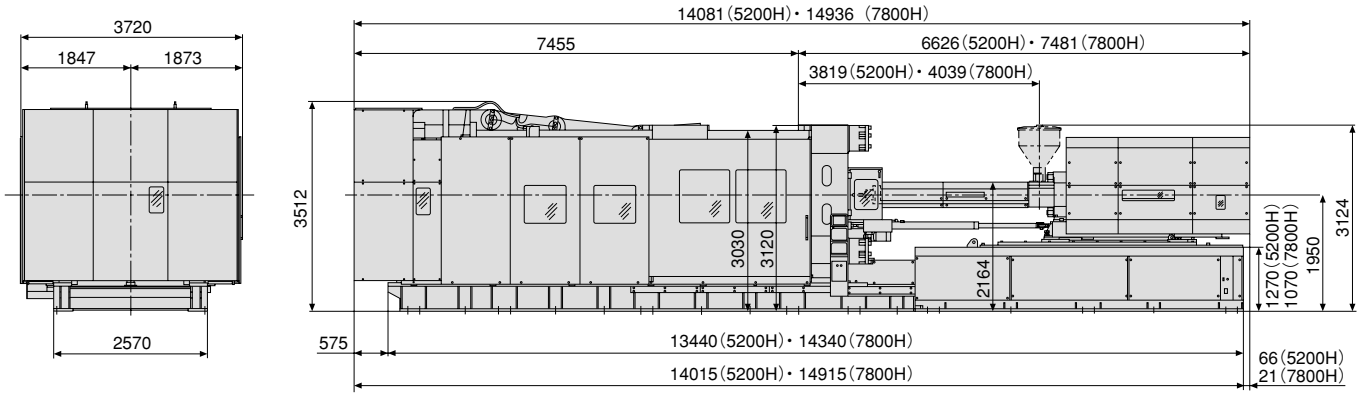


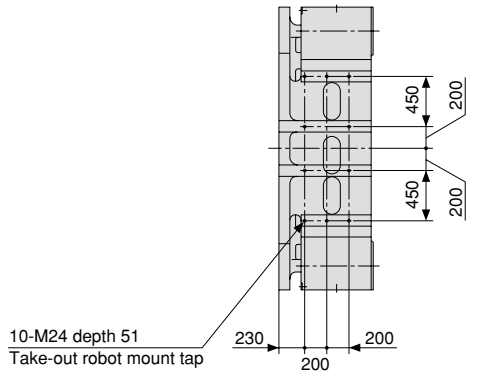


Movable platen side

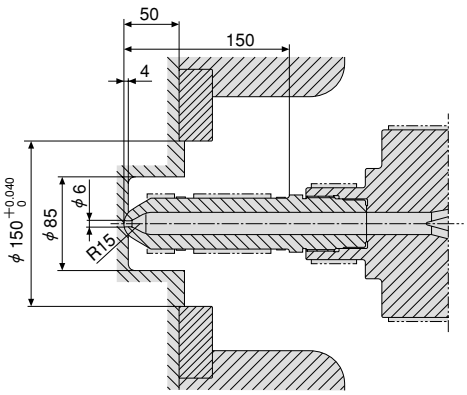
Equipment Dimensions and Mold Related Dimensions

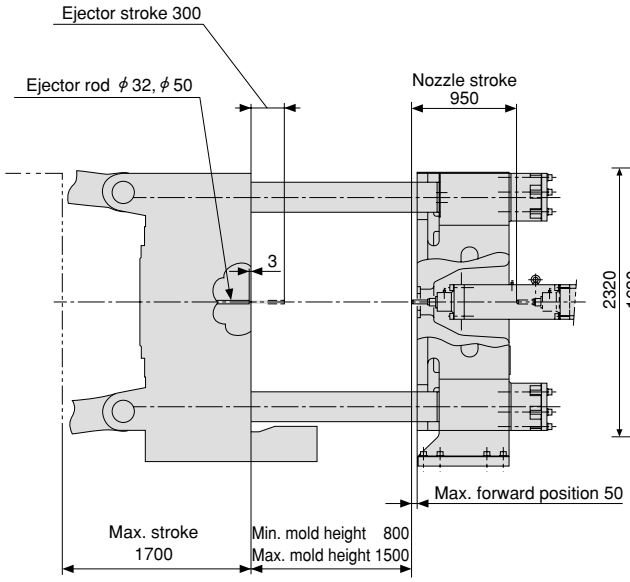
J1800EL Ⅲ

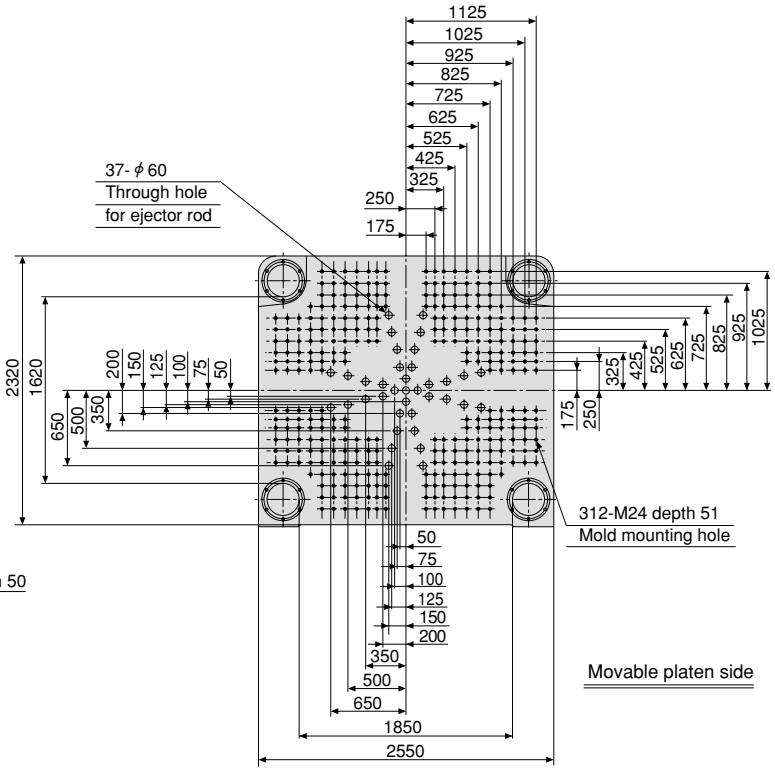




Upper surface of stationary platen







Movable platen side

■Standard Equipment

Unit item		
Injection and Plasticizing		
Standard open nozzle		
Screw cylinder		1)
High-melter MⅢ screw		2)
Screw suck back		
Purge cover (with LS)		
Swivel injection unit		3)
Cold screw start-up prevention		
Molding/Pause temperature changeover function		
Automatic purging circuit		
Sprue break timing selection		
Suck back timing selection		
Injection and rotation program control (Closed-loop control)	Injection speed	1~6 steps
	Injection pressure	
	Holding pressure	
	Screw speed	1~3 steps
	Screw back pressure	
Transfer to holding pressure by sensing Injection speed (IVS)		
Automatic greasing		
Cylinder temperature control		4)
Nozzle temperature control (SSR)		
Cylinder temperature remote setting		
Soft pack servo control		
Mold Clamping Unit		
Self-lubricating toggle bushings		
Automatic greasing		
High performance moving platen support		
Remote setting of mold open/close speed		
Remote setting of moving platen position		
Remote setting of ejector speed		
Remote setting of ejector position		
Automatic mold height adjustment		
Remote setting of mold height		
Automatic mold clamping force setting		
Compression molding (1~6 steps)		
Mold protection device		
Safety devices (electrical and mechanical)		
Take-out robot mounting holes		

Unit item	
Controller	
TFT color LCD controller with SYSCOM touch panel	
Storage of molding conditions	
Data card	
Soft touch start-up function	
Printer output terminal	5)
Self-diagnostic function	
Overall set screen	
Emergency stop button switch	
Safety key	
Dual function	
Time clock	
Unmanned operation switch	
Robot interface	
Japanese/English switching function	6)
Monitor	
Cylinder temperature monitoring function	
Heater circuit break	
Injection pressure monitor (IPM)	
Injection wave form monitor	
Injection wave form storage	
Statistical graph display	
Table display	
Display of mold temperature	7)
Lubrication failure alarm	
Abnormal alarm buzzer	
Production monitoring	8)
Operating time display	
Cycle monitor	
Molding condition upper/lower limit	9)
Maintenance	10)
Alarm history	
Set value history	
Servo alarm	
General	
Mold cooling water closed circuit (with flow indicator)	
Accessories (Maintenace tools and ejector rods)	

■Optional Equipment

Unit item
Injection
Long nozzle
SVN shut-off nozzle (spring type)
Wear and corrosion-resistant cylinder
Wear and corrosion-resistant screw
Wide selection of screws
Cylinder heat insulating cover
Cylinder cooling unit (with blower)
Shut-off nozzle (hydraulic or pneumatic)
Hopper
Hopper stage
Mold Clamping Unit
Daylight extension
T-grooved mold platen
Spacer plate
Air jet
Core puller circuit (hydraulic or pneumatic)
Unscrewing motor control circuit
Gate-cut circuit
Automatic opening safety doorp
Automatic opening and closing safety door
Special locating ring
Safety mat switch
Cooling water closed circuit (stationary platen type)
Ejector plate return confirmation circuit
Mold mounting preparation unit
Controller and Others
Abnormal mold temperature warning
Hot runner control circuit
Language switching function 11)
Alarm light
Communication function with host computer
Printer (with printer cable)
Printer cable (IBM compatible)
Data card (40 sets mold/card)
Calender timer
Plug socket for auxiliary equipment
Levelling pads

Notes:

1) N2000F cylinder for 1400H injection unit, and nitride cylinder for 2300H and up.
2) GP2 screw for 1400H injection unit.
3) Manual operation type for 1400H injection unit.
4) Solid state control (SSR) for 1400H injection unit and magnetic contactor control (MC) for 2300H and up.
5) The printer, printer cable and receptacle are optional.
6) The Japanese/English switching function is standard equipment.
7) Sensor and cable are not included.
8) Setting of production quantity and advance notice are possible and completion time is displayed.
9) Monitoring functions of the following particulars are equipped as standard. (Cycle time, Injection time, Rotation time, Mold opening-closing time. Cushion, Injection start position, Changeover position to holding pressure, Injection pressure, Changeover pressure to holding, Screw back pressure)
10) Maintenance service time and areas are displayed.
11) One more language can be added, in addition to Japanese and English.

Utilities

■ Total Power Capacity

Machine Model		Total Power Capacity (kVA)
J550ELⅢ	1400H	51
	2300H	56
	3100H	66
J650ELⅢ	2300H	57
	3100H	68
	3900H	82
J850ELⅢ J850ELⅢW	3100H	68
	3900H	83
	5200H	86

Machine Model		Total Power Capacity (kVA)
J1000ELⅢ	3100H	69
	3900H	84
	5200H	87
J1300ELⅢ	3900H	84
	5200H	88
	7800H	93
J1800ELⅢ	5200H	89
	7800H	93

Notes:Total power capacity does not include external outlets.

■ Required Water Quantity for Cylinder Hopper

Machine Model	Required Water Quantity for Cylinder Hopper (m^3/h)
1400H	0.6
2300H	1.2
3100H	
3900H	1.6
5200H	
7800H	

Notes:The above figures do not includethe required quantity of water for the mold temperature controller.