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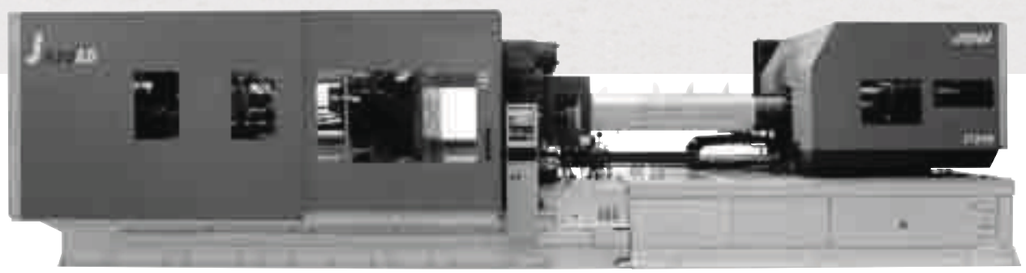
JAD SERIES

Electric Servo Drive Injection Molding Machine



Specifications

Model	J550AD	J1000AD
	J650AD	J1300AD
	J850AD	J1800AD
	J850ADW	

JSW

CERTIFIED JQA MANAGEMENT SYSTEM
ISO 9001
ISO 14001
JQA-QMA13993
JQA-EM6416

J550AD

Performance Table

Unit	Item	Model	J550AD						
			1400H			2300H		3100H	
Injection Unit	Screw barrel type		K (Option)	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 {1420}
	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	420	470	490	540
	Screw speed	min^{-1}	210			200	180	180	165
	Nozzle touch force	kN {tf}	40 {4.1}			65 {6.6}		65 {6.6}	
	Nozzle stroke from platen	mm	50						
	Type of nozzle		Open nozzle						
	Barrel temperature control		Barrel 4、Nozzle 1			Barrel 5、Nozzle 1			
	Heater wattage	kW	34.7			39.2		44.5	
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						
	Platen speed	m/min	70						
	Distance between tie-bars (H×V)	mm	960×900						
	Platen size (H×V)	mm	1380×1320						
	Ejector point		21 points						
	Ejector force	kN {tf}	130 {13.3}						
	Ejector stroke	mm	180						
General	Machine weight	t	30			32		32	
	Machine dimensions (L×W×H)	m	8.76×2.37×2.40			9.18×2.37×2.40		9.18×2.37×2.40	

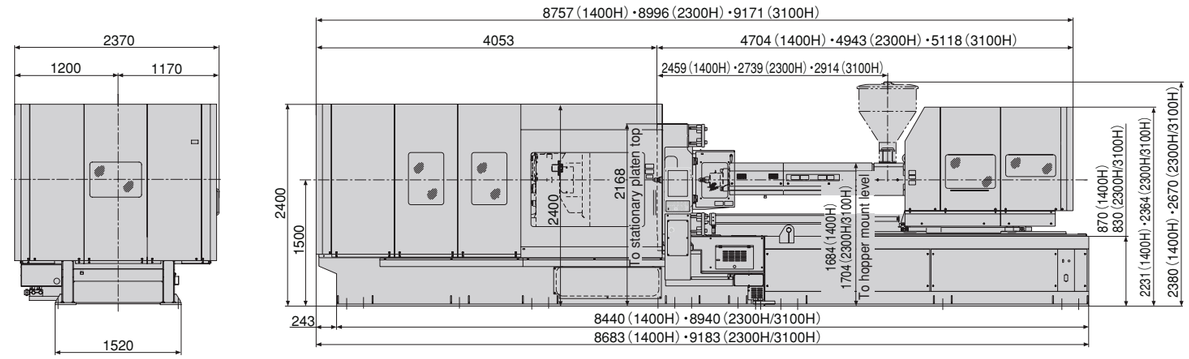
Remarks:
1.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2.The theoretical injection capacity is (cross sectional area of barrel)×(stroke of screw).
3.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4.The plasticizing rate is applicable for GP-PS.
5.PC, 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.

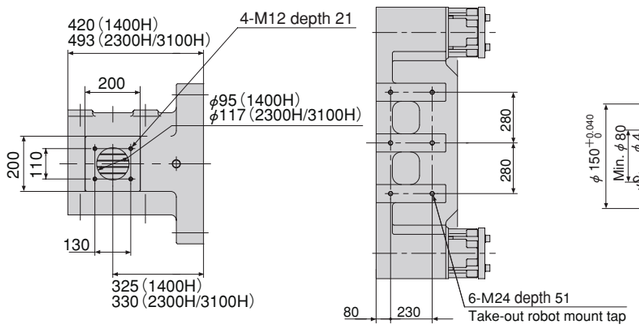
Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.1MPa=10.2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

J550AD

JAD SERIES
Electric Servo Drive Injection Molding Machine

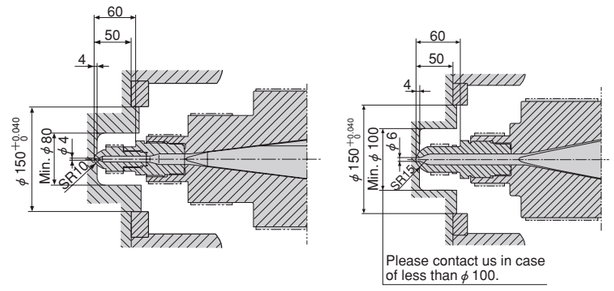
Equipment Dimensions and Mold Related Dimensions





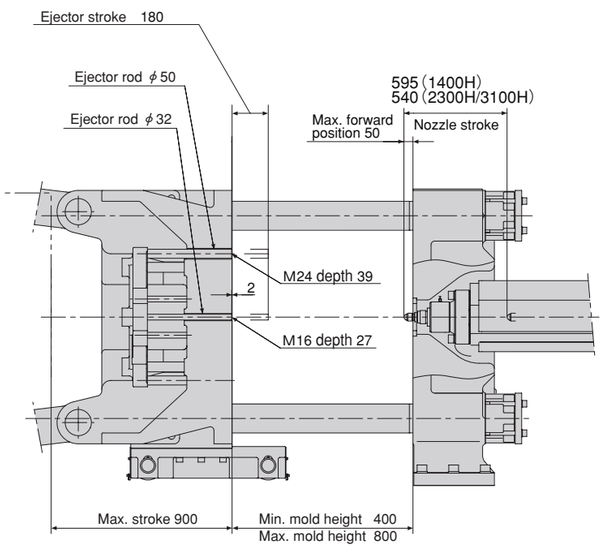
Hopper mount

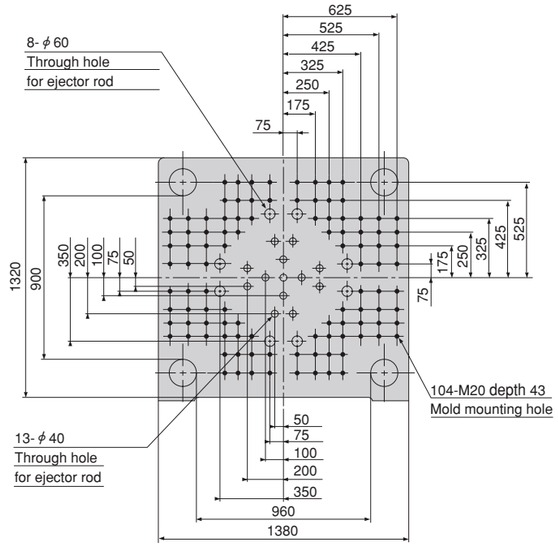
Upper surface of stationary platen



1400H

2300H/3100H





Movable platen side

J650AD

Performance Table

Unit	Item \ Model	J650AD					
		2300H		3100H		3900H	
Injection Unit	Screw barrel 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	420	470	490	540	550	620
	Screw speed min^{-1}	200	180	180	165	165	150
	Nozzle touch force kN {tf}	65 {6.6}					
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Barrel temperature control	Barrel 5、Nozzle 1					
	Heater wattage kW	39.2		44.5		46.3	
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					
	Platen speed m/min	70					
	Distance between tie-bars (H×V) mm	1060×960					
	Platen size (H×V) mm	1500×1400					
	Ejector point	25 points					
	Ejector force kN {tf}	190 {19.4}					
	Ejector stroke mm	200					
General	Machine weight t	37		37		39	
	Machine dimensions (L×W×H) m	9.77×2.45×2.43		9.77×2.45×2.43		10.75×2.45×2.43	

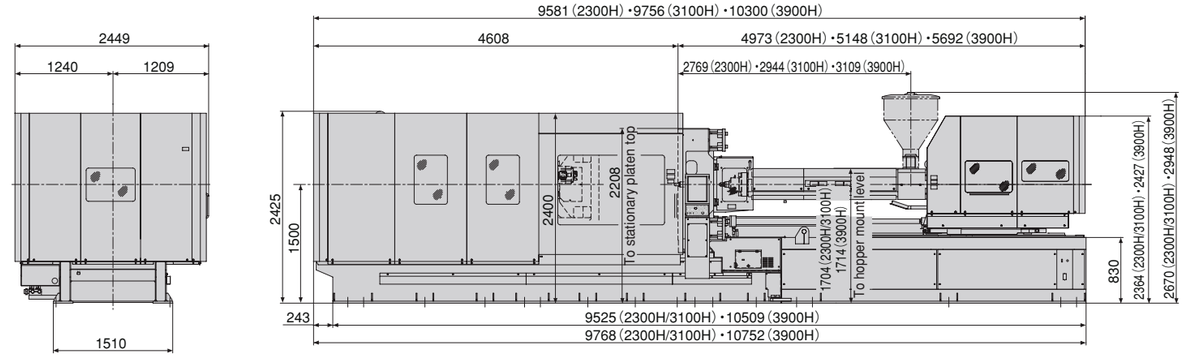
Remarks:
1.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2.The theoretical injection capacity is (cross sectional area of barrel)×(stroke of screw).
3.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4.The plasticizing rate is applicable for GP-PS.
5.PC, 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.

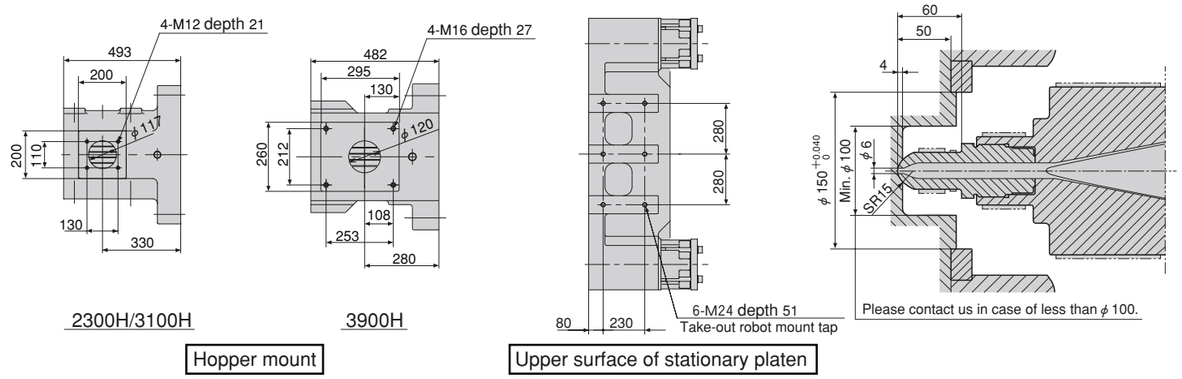
Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.1MPa=10.2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

J650AD

JAD SERIES
Electric Servo Drive Injection Molding Machine

Equipment Dimensions and Mold Related Dimensions

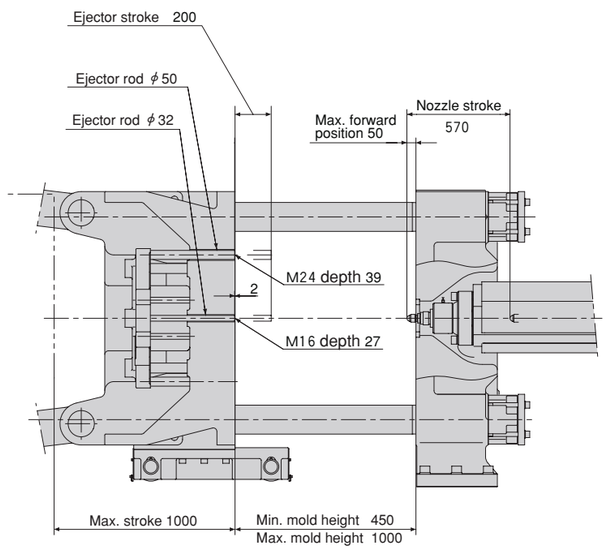


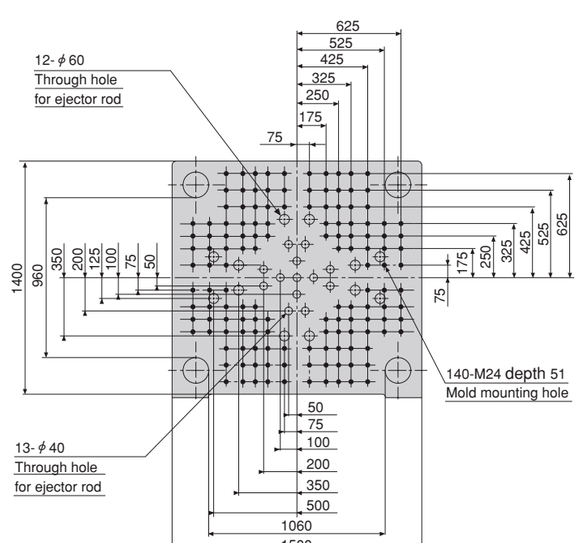


2300H/3100H　　3900H

Hopper mount

Upper surface of stationary platen





Movable platen side

JSW

J850AD

Performance Table

Unit	Item \ Model	J850AD					
		3100H		3900H		5200H	
Injection Unit	Screw barrel 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}	175 {1780}	147 {1490}
	Holding pressure (Max.) MPa {kgf/cm^2}	167 {1700}	140 {1420}	167 {1700}	138 {1400}	158 {1610}	132 {1340}
	Injection speed mm/s	160		160		155	
	Injection rate cm^3/s	1064	1257	1257	1521	1473	1753
	Plasticizing rate (GP-PS) kg/h	490	540	550	620	630	700
	Screw speed min^{-1}	180	165	165	150	150	140
	Nozzle touch force kN {tf}	65 {6.6}					
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Barrel temperature control	Barrel 5、Nozzle 1					
	Heater wattage kW	44.5		46.3		53.7	
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					
	Platen speed m/min	70					
	Distance between tie-bars (H×V) mm	1060×1060					
	Platen size (H×V) mm	1590×1590					
	Ejector point	29 points					
	Ejector force kN {tf}	230 {23.5}					
	Ejector stroke mm	200					
General	Machine weight t	48		50		50	
	Machine dimensions (L×W×H) m	10.49×2.57×2.58		11.48×2.57×2.58		11.48×2.57×2.58	

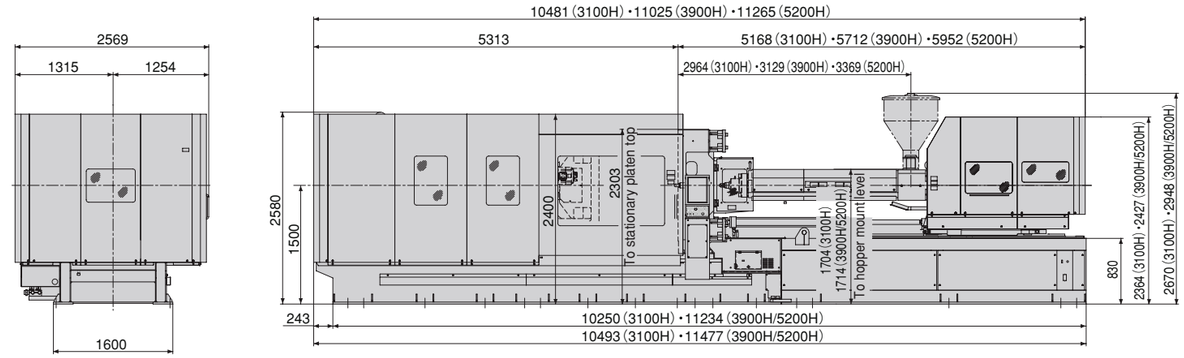
Remarks:
1.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2.The theoretical injection capacity is (cross sectional area of barrel)×(stroke of screw).
3.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4.The plasticizing rate is applicable for GP-PS.
5.PC, 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.

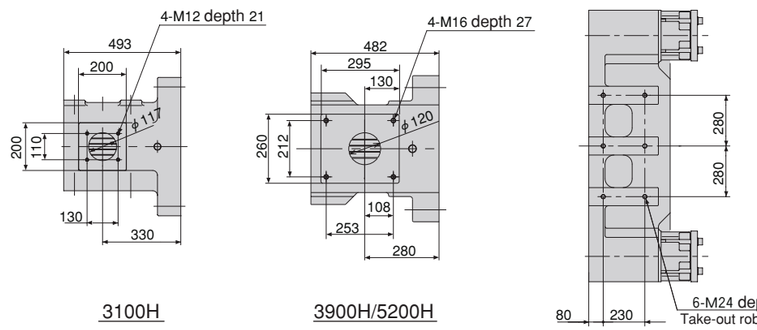
Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.1MPa=10.2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

J850AD

JAD SERIES
Electric Servo Drive Injection Molding Machine

Equipment Dimensions and Mold Related Dimensions

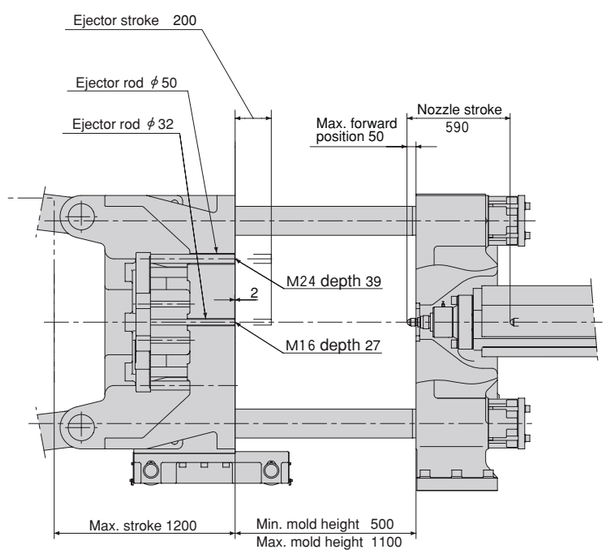


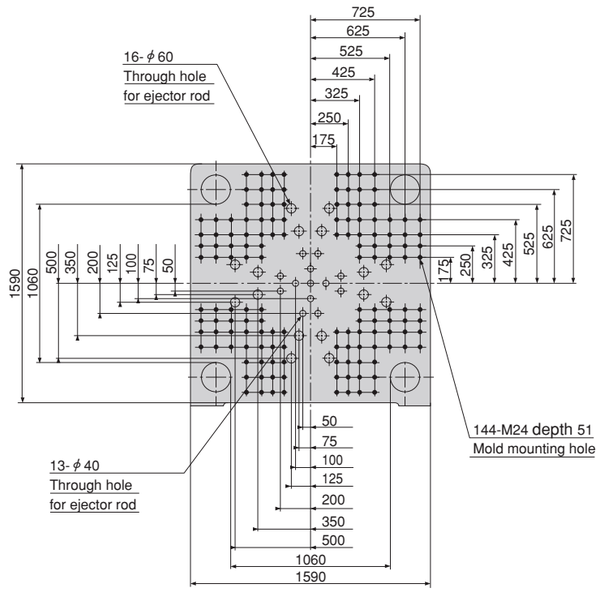


3100H　　3900H/5200H

Hopper mount

Upper surface of stationary platen





Movable platen side

JSW

J850ADW

Performance Table

Unit	Item \ Model	J850ADW					
		3100H		3900H		5200H	
Injection Unit	Screw barrel 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}	175 {1780}	147 {1490}
	Holding pressure (Max.) MPa {kgf/cm^2}	167 {1700}	140 {1420}	167 {1700}	138 {1400}	158 {1610}	132 {1340}
	Injection speed mm/s	160		160		155	
	Injection rate cm^3/s	1064	1257	1257	1521	1473	1753
	Plasticizing rate (GP-PS) kg/h	490	540	550	620	630	700
	Screw speed min^{-1}	180	165	165	150	150	140
	Nozzle touch force kN {tf}	65 {6.6}					
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Barrel temperature control	Barrel 5、Nozzle 1					
	Heater wattage kW	44.5		46.3		53.7	
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					
	Platen speed m/min	70					
	Distance between tie-bars (H×V) mm	1320×1320					
	Platen size (H×V) mm	1900×1800					
	Ejector point	29 points					
	Ejector force kN {tf}	230 {23.5}					
	Ejector stroke mm	200					
General	Machine weight t	52		56		56	
	Machine dimensions (L×W×H) m	10.50×2.88×2.74		11.49×2.88×2.74		11.49×2.88×2.74	

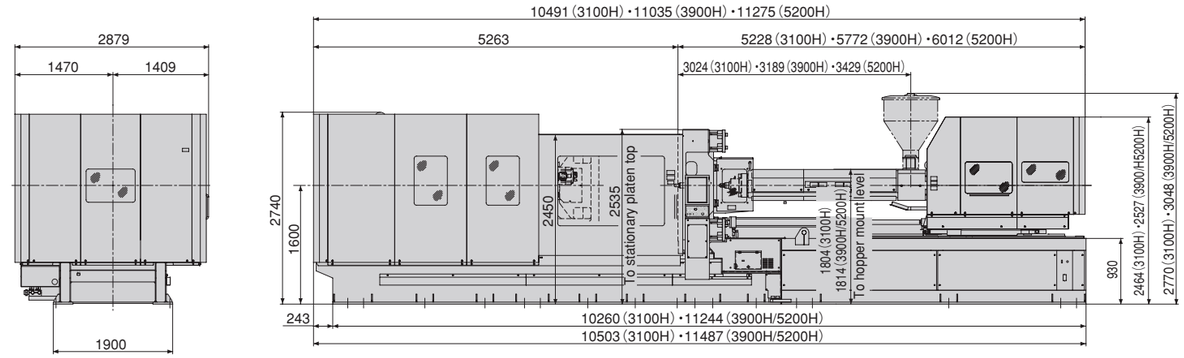
Remarks:
1.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2.The theoretical injection capacity is (cross sectional area of barrel)×(stroke of screw).
3.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4.The plasticizing rate is applicable for GP-PS.
5.PC, 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.

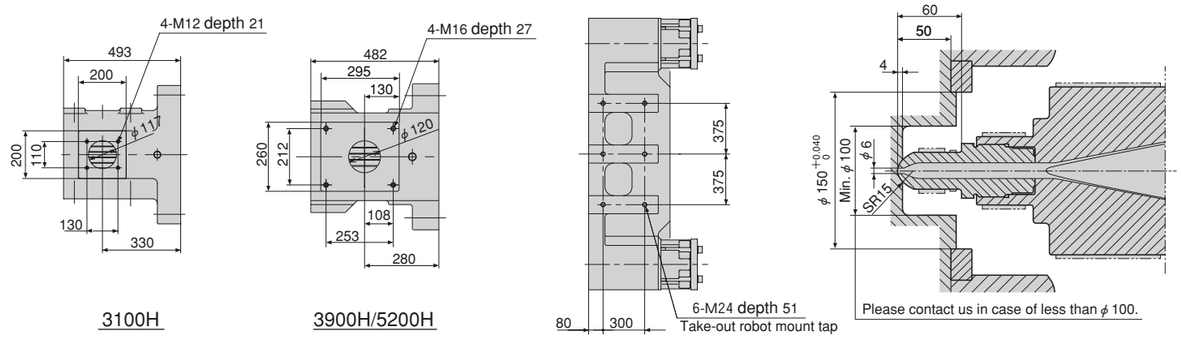
Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.1MPa=10.2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

J850ADW

JAD SERIES
Electric Servo Drive Injection Molding Machine

Equipment Dimensions and Mold Related Dimensions

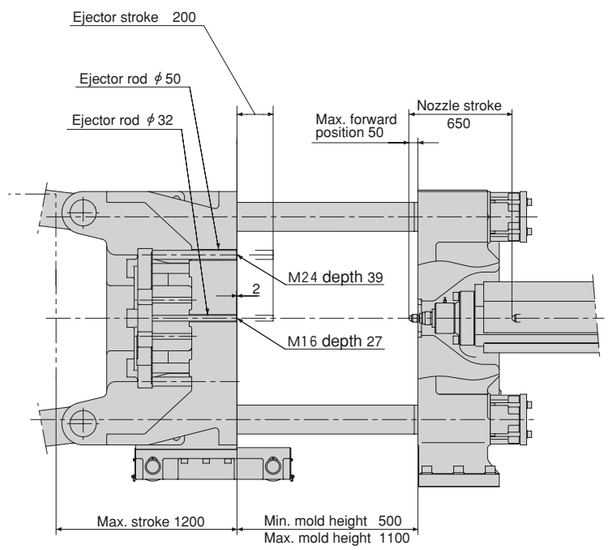


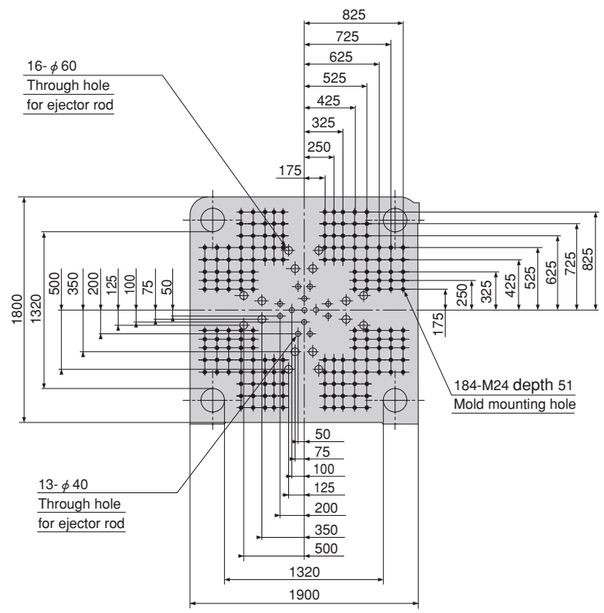


3100H　　3900H/5200H

Hopper mount

Upper surface of stationary platen





Movable platen side

JSW

J1000AD

Performance Table

Unit	Item \ Model	J1000AD					
		3100H		3900H		5200H	
Injection Unit	Screw barrel 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}	175 {1780}	147 {1490}
	Holding pressure (Max.) MPa {kgf/cm^2}	167 {1700}	140 {1420}	167 {1700}	138 {1400}	158 {1610}	132 {1340}
	Injection speed mm/s	160		160		155	
	Injection rate cm^3/s	1064	1257	1257	1521	1473	1753
	Plasticizing rate (GP-PS) kg/h	490	540	550	620	630	700
	Screw speed min^{-1}	180	165	165	150	150	140
	Nozzle touch force kN {tf}	65 {6.6}					
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Barrel temperature control	Barrel 5、Nozzle 1					
	Heater wattage kW	44.5		46.3		53.7	
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					
	Platen speed m/min	70					
	Distance between tie-bars (H×V) mm	1320×1320					
	Platen size (H×V) mm	1900×1800					
	Ejector point	29 points					
	Ejector force kN {tf}	230 {23.5}					
	Ejector stroke mm	200					
General	Machine weight t	61		64		64	
	Machine dimensions (L×W×H) m	10.95×2.97×2.78		11.94×2.97×2.78		11.94×2.97×2.78	

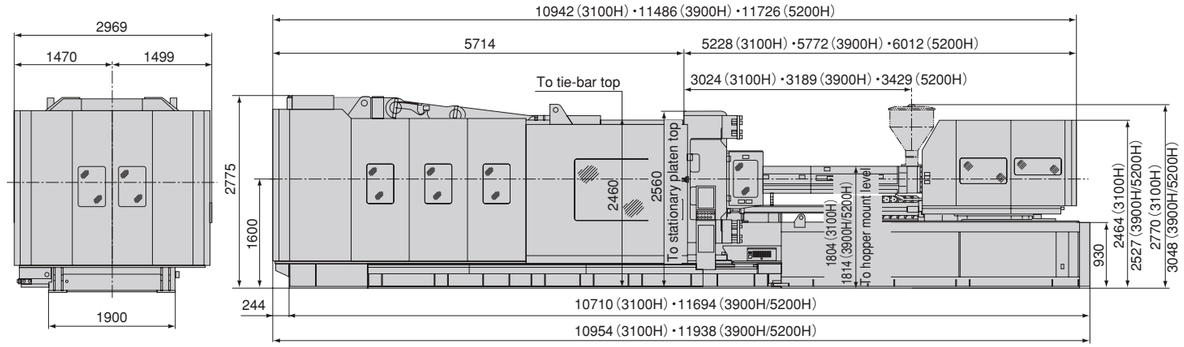
Remarks:
1.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2.The theoretical injection capacity is (cross sectional area of barrel)×(st roke of screw).
3.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4.The plasticizing rate is applicable for GP-PS.
5.PC, 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.

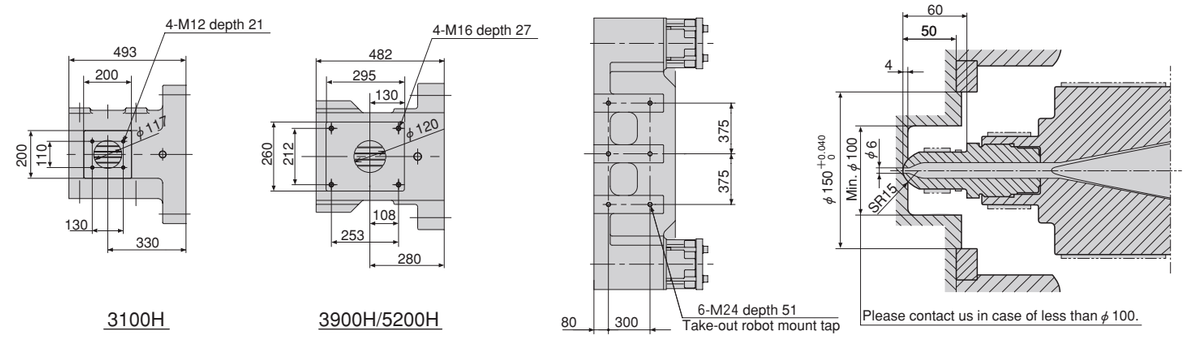
Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.1MPa=10.2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

J1000AD

JAD SERIES
Electric Servo Drive Injection Molding Machine

Equipment Dimensions and Mold Related Dimensions

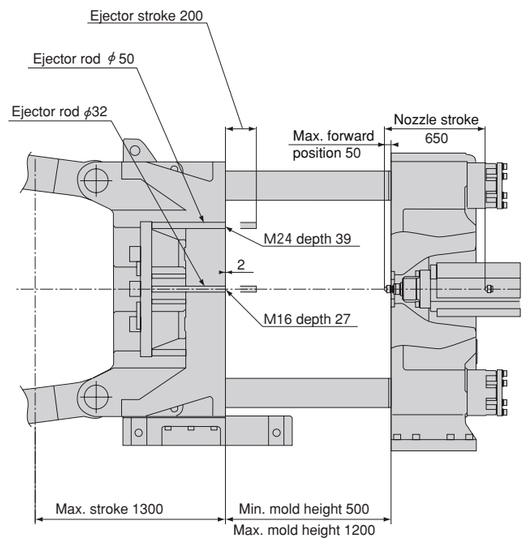


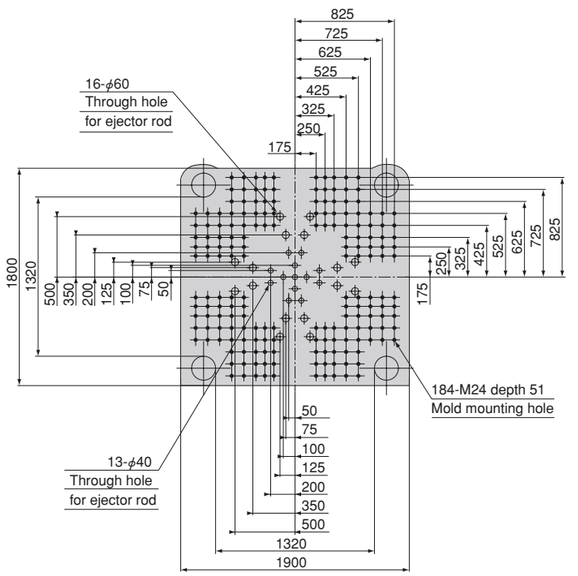


3100H　　3900H/5200H

Hopper mount

Upper surface of stationary platen





Movable platen side

J1300AD

Performance Table

Unit	Item \ Model	J1300AD					
		3900H		5200H		7500H	
Injection Unit	Screw barrel type	A	B	A	B	A	B
	Screw diameter mm	100	110	110	120	120	130
	Screw stroke mm	500		550		660	
	Theoretical injection capacity cm^3	3927	4752	5227	6220	7464	8760
	Injection capacity (GP-PS) g	3574	4324	4757	5660	6793	7972
	Injection pressure (Max.) MPa {kgf/cm^2}	185 {1880}	153 {1560}	175 {1780}	147 {1490}	180 {1830}	153 {1560}
	Holding pressure (Max.) MPa {kgf/cm^2}	167 {1700}	138 {1400}	158 {1610}	132 {1340}	158 {1610}	135 {1370}
	Injection speed mm/s	160		155		130	
	Injection rate cm^3/s	1257	1521	1473	1753	1470	1726
	Plasticizing rate (GP-PS) kg/h	550	620	630	700	700	730
	Screw speed min^{-1}	165	150	150	140	140	130
	Nozzle touch force kN {tf}	65 {6.6}					
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Barrel temperature control	Barrel 5、Nozzle 1				Barrel 5、Nozzle 2	
	Heater wattage kW	46.3		53.7		72.8	
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					
	Platen speed m/min	65					
	Distance between tie-bars (H×V) mm	1400×1400					
	Platen size (H×V) mm	2000×2000					
	Ejector point	29points					
	Ejector force kN {tf}	300 {30.5}					
	Ejector stroke mm	250					
	Machine weight t	84		84		87	
	Machine dimensions (L×W×H) m	12.80×3.05×3.02		12.80×3.05×3.02		13.33×3.05×3.02	

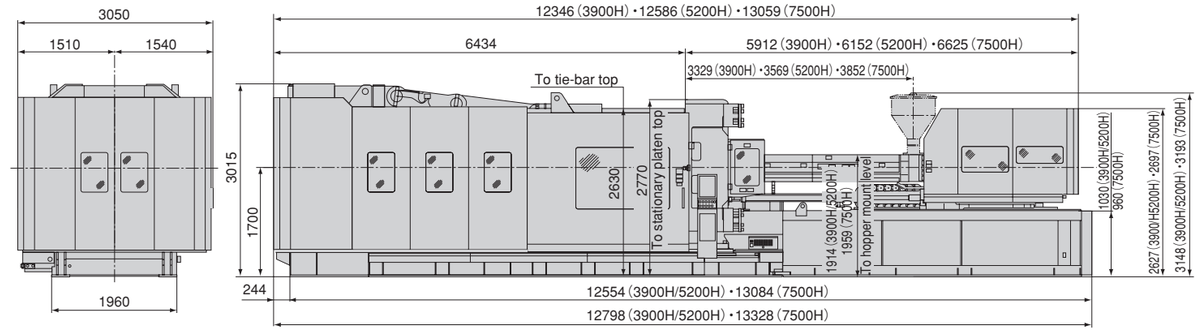
Remarks:
1.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2.The theoretical injection capacity is (cross sectional area of barrel)×(stroke of screw).
3.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4.The plasticizing rate is applicable for GP-PS.
5.PC, 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.

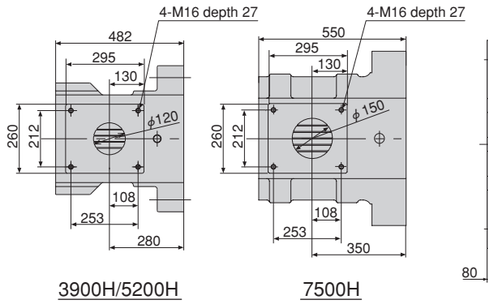
Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.1MPa=10.2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

J1300AD

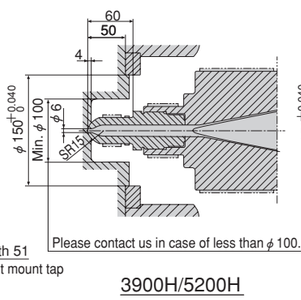
JAD SERIES
Electric Servo Drive Injection Molding Machine

Equipment Dimensions and Mold Related Dimensions

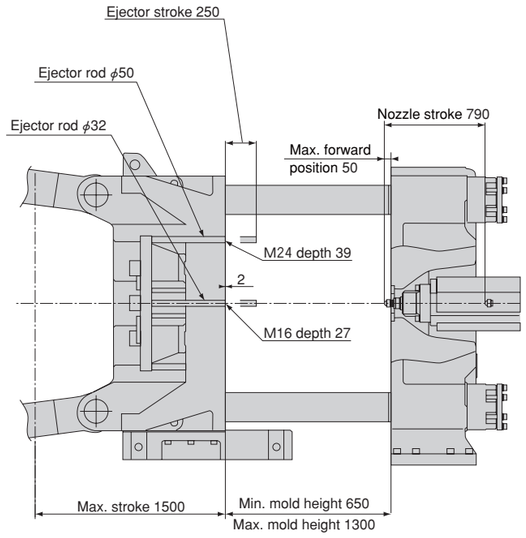


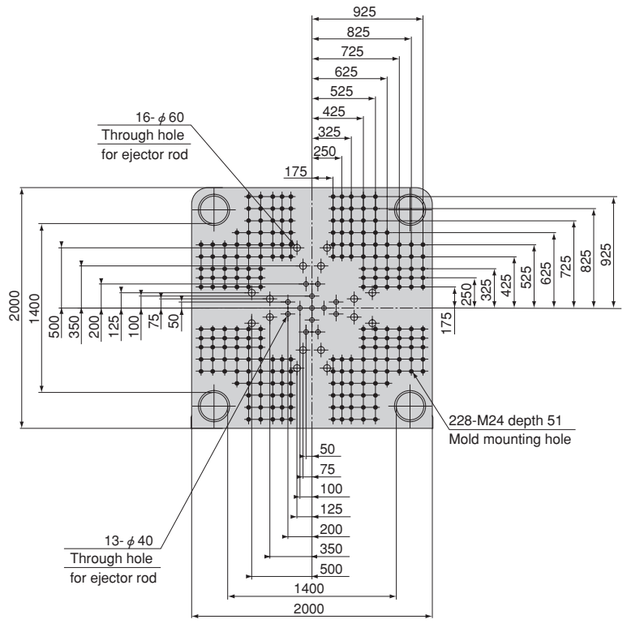


Hopper mount



Upper surface of stationary platen





Movable platen side

J1800AD

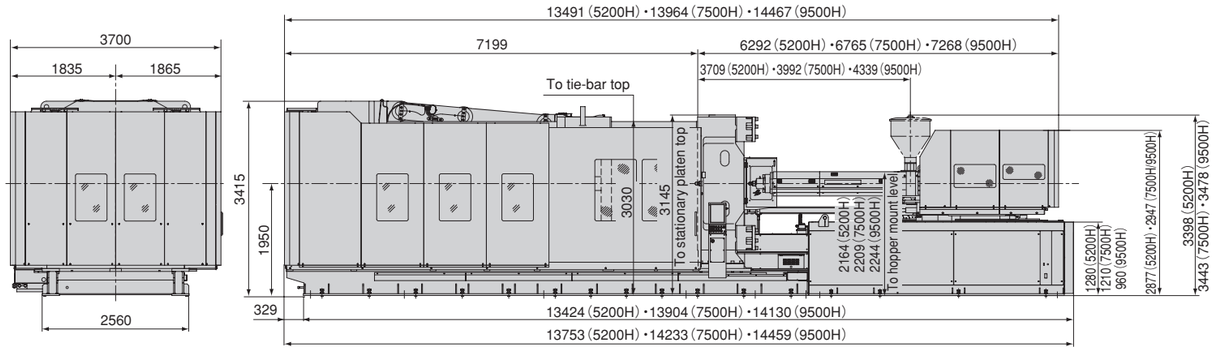
Performance Table

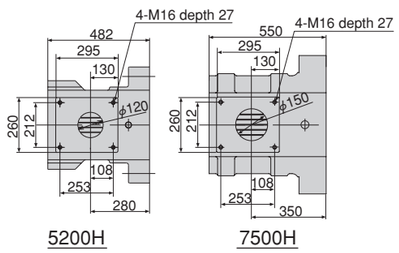
Unit	Item \ Model	J1800AD					
		5200H		7500H		9500H	
Injection Unit	Screw barrel type	A	B	A	B	A	B
	Screw diameter mm	110	120	120	130	130	140
	Screw stroke mm	550		660		715	
	Theoretical injection capacity cm^3	5227	6220	7464	8760	9490	11007
	Injection capacity (GP-PS) g	4757	5660	6793	7972	8636	10016
	Injection pressure (Max.) MPa {kgf/cm^2}	175 {1780}	147 {1490}	180 {1830}	153 {1560}	180 {1830}	155 {1580}
	Holding pressure (Max.) MPa {kgf/cm^2}	158 {1610}	132 {1340}	158 {1610}	135 {1370}	162 {1650}	140 {1420}
	Injection speed mm/s	155		130		130	
	Injection rate cm^3/s	1473	1753	1470	1726	1726	2001
	Plasticizing rate (GP-PS) kg/h	630	700	700	730	850	880
	Screw speed min^{-1}	150	140	140	130	135	130
	Nozzle touch force kN {tf}	65 {6.6}		65 {6.6}		75 {7.6}	
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Barrel temperature control	Barrel 5、Nozzle 1		Barrel 5、Nozzle 2			
	Heater wattage kW	53.7		72.8		90.4	
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					
	Platen speed m/min	60					
	Distance between tie-bars (H×V) mm	1850×1620					
	Platen size (H×V) mm	2550×2320					
	Ejector point	37points					
	Ejector force kN {tf}	380 {38.7}					
	Ejector stroke mm	300					
	Machine weight t	119		122		131	
	Machine dimensions (L×W×H) m	13.75×3.70×3.42		14.23×3.70×3.42		14.47×4.21×3.42	

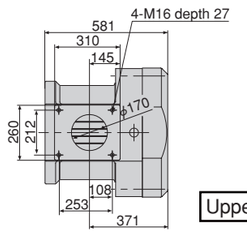
Remarks:
1.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2.The theoretical injection capacity is (cross sectional area of barrel)×(st roke of screw).
3.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4.The plasticizing rate is applicable for GP-PS.
5.PC, 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

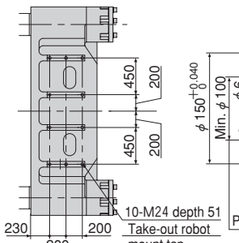
Equipment Dimensions and Mold Related Dimensions



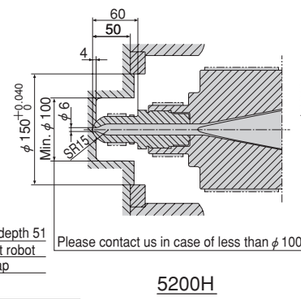


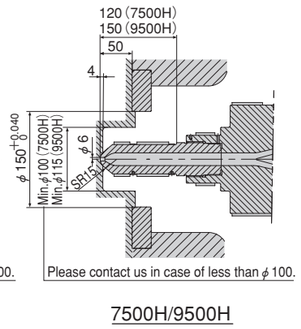


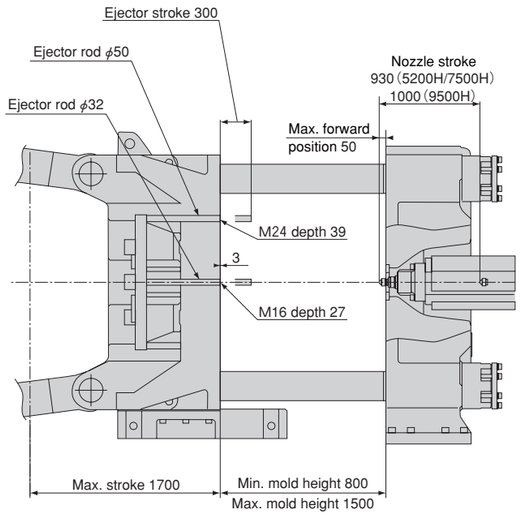
Hopper mount

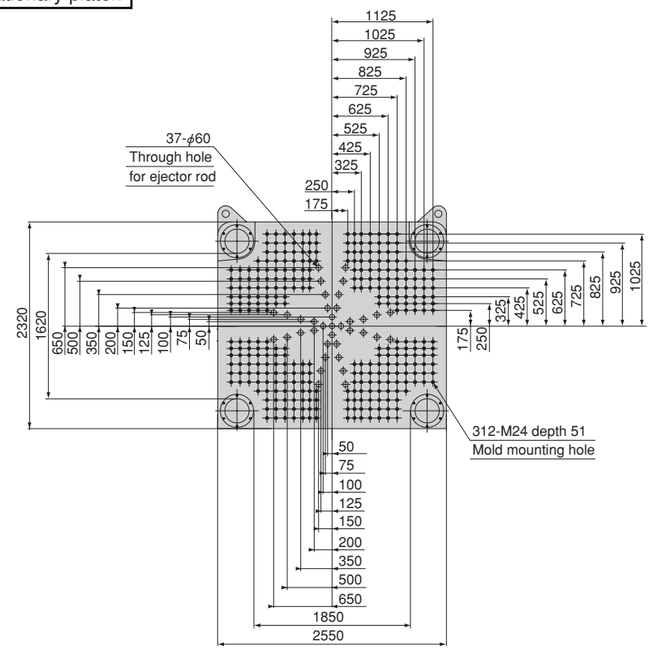


Upper surface of stationary platen









Movable platen side

Standard Equipment List

	Item		
Injection and Plasticizing Unit	Open nozzle		
	N2000F barrel		
	Chrome plated screw		Note1
	Purge cover (with limit switch)		
	Injection unit swiveling device (with limit switch)		Note2
	Screw cold start prevention		
	Molding/Pause temperature select		
	Auto purging circuit		
	Nozzle retract select		
	Pull-back select		
	Auto grease lubrication		
	Injection/Metering programmed control	Injection/Holding pressure :1～6 Steps (Variable)	
		Metering/Back pressure :1～3 Steps (Variable)	
	Holding pressure transfer select		
	Holding pressure control select	Step mode	
		Slope mode	
	Barrel temperature control (PID)		Note3
	Nozzle temperature control (PID/SSR)		
	Synchronous temperature rise control		
	Hopper flange temperature control		
	Soft pack servo control		
	HAVC (High Accuracy Volume Control)		
	IWCS (Injection Weight and Cushion Stability) control		
	Reverse seal control		
Clamping Unit	Grease-free toggle bushing		
	Auto grease lubrication		
	High-performance platen support		
	Flat press platen mechanism (Stationary side/Movable side)		
	Mold open/close and Ejector programmed control	Mold open/close : 4 Steps (Fixed)	
		Ejector : 1～3 Steps (Variable)	
	Mold protection	1～3 Steps (Variable)	
	Ejector braking system		Note4
	Electric-driven mold thickness adjusting device		
	Auto clamp force setting		
	Clamp force display		
	Clamp force feed back control		
	Toggle type injection compression function	A -mode	
		B -mode	
		Compression : 1～6 Steps (Variable)	
	Clamping safety device (Electrical/Mechanical)		
	Robot mounting holes		
	Compound action	Screw rotation during mold open/close	
		Eject during mold open	
		Injection during clamp up	
	Safety mat	Operator side step safety mat	
		Under mold area safety mat	Note5

Note 1. GP21 screw for Injection unit 1400H.
High-Melter MIII screw for Injection unit 2300H and higher.
Note 2. Manual operation type for Injection unit 1400H.
Note 3. Injection unit 1400H is controlled by SSR (non-contact).
Injection unit 2300H and higher are controlled by MC (contact).
Note 4. Equipped as standard for J650AD and higher, optional for J550AD.
Note 5. Safety mat on the top of the step is equipped as standard for J650AD and higher, optional for J550AD.
Safety mat on the top of the inter-platens bed is equipped as standard for J850ADW and higher (models with 1200mm or wider gap between tie-bars), optional for J850AD.

	Item	
Controller	Touch panel 15” TFT color LCD controller	
	120 Mold condition storage (Internal memory)	Note6
	Soft start molding	
	Self diagnostics function	
	Help function	
	Pop-up display	
	Clock	
	Multi-language select (English, Chinese, Japanese)	
	Print screen by USB memory	
	USB printer port	Note7
	Overall setting screen	
	Pre-heat timer	
	Product takeout robot circuit	
	Attended/Unattended operation select	
	Emergency stop button	
	Safety key	
Monitor	Actual value display	
	Mold temperature display	Note8
	Injection/Metering waveform monitor	
	Oscilloscope waveform monitor	
	Injection/Metering waveform storage	
	Barrel temperature monitor	
	Injection pressure monitor	
	Statistical graph	
	Production monitor	
	Cumulative operating hour display	
	Cycle monitor	
	Molding condition upper/lower limit monitor	Note9
	Inspection and Maintenance guide	Note10
	Heater system fault alarm	
	Injection pressure overshoot alarm	
	Grease lubrication fault alarm	
	Servo fault alarm	
	Unreleased clamp alarm	
	Position calibration request	
	Alarm buzzer	
	Alarm history	
	Set value history	
Others	Safety compliance to JIMS K1001	
	Cooling water closed circuit for feed throat	
	Mold cooling water circuit (Machine bed)	
	Accessories (Maintenance tools, Ejector rods, etc.)	

Note 6. The external memory is capable of storing conditions for 1,000 molds.
Prepare commercial USB data storage media.
Note 7. The printer and printer cables are options.
Note 8. Temperature sensors and electric wiring are not included.
Note 9. Maximum of 16 items and alarms can be selected out of the following monitor items.
①Cycle time ②Injection time ③Metering time ④Cushion position
⑤Holding pressure end position ⑥Injection pressure
⑦Holding pressure transfer pressure ⑧Screw back pressure
⑨Metering end position ⑩Injection start position ⑪Holding pressure transfer position
⑫Mold open time ⑬Mold close time ⑭Metering torque
⑮Holding pressure transfer speed ⑯Mold inner pressure (option)
⑰Clamp force ⑱Shift amount (HAVC) ⑲End speed (HAVC)
Note 10. Indicates inspection times and items.

Options List

	Item		
Injection Unit	Long nozzle		
	Shut-off nozzles (Pneumatic type and Hydraulic type)		
	LSP-2 screw (Abrasion-resistant type)		
	Wide selection of screws & barrels	Screw & Barrel for high plasticization	
		Screw & Barrel for optical application	
		High dispersion screw	
		High viscosity resin screw	
		Long-fiber resin screw	
		Special screw	Note1
	Barrel Insulation cover		
	Barrel blower cooling unit		
	Hopper (Option for all the region)		
	High holding pressure molding (for long-time holding pressure molding)		Note2
	Electric motor driven IU advance/retract		
	Vented barrel		
Clamping Unit	Daylight extension		
	T-slot platen		
	Locating ring		
	Air jet		
	Core pull device (Pneumatic type and Hydraulic type)		Note3
	Valve gate device (Pneumatic type and Hydraulic type)		Note3
	Auto safety gate open		
	Auto safety gate open/close		
	Safety mat		Note4
	Safety footplate		
	Mold clamper		
	Mold setup device		
	Magnet mold Clamper		Note5
	Cooling water manifold on platen		
	Hydraulic power pack		
	Ejector braking system		Note6

Note 1. Regarding special screws, contact us separately.
Note 2. Enables a long holding time and high holding pressure molding.
The injection speed may become lower.
Note 3 For the hydraulic type, a separate hydraulic unit is needed.
Note 4. Safety mat on the top of the step is equipped as standard for J650AD and higher.
Safety mat on the top of the inter-platens bed is equipped as standard for J850ADW and higher (models with 1200mm or wider gap between tie-bars).
Note 5. When applied, extended nozzle is required.
Note that the usable mold thickness range will change.
Note 6. Equipped as standard for J650AD and higher.

	Item	
Electrical Instrumentation and Control	Multi-language select (French, Spanish or Hangul)	Note7
	Simple centralized monitor system Link10	Note8
	Centralized control system NET100	Note9
	Heater burnout alarm	
	Mold temperature display (with mold temperature upper/lower limit alarm)	
	Mold temperature control (with mold temperature upper/lower limit alarm)	
	Printer (with printer cable)	
	Password Function	
	Hot runner control circuit	
	Unscrewing motor circuit	
	Ejector gate cutting circuit	
	Ejector plate return confirmation circuit	
	Injection speed:10 Steps control	
	Injection speed slope control	
	Foaming molding control	
	Skin adhesion molding control	
	D.I.C. (Dual Integrated Control) with Yushin Robot	
Others	Hopper stage	
	Cooling water failure warning	
	Leveling pad for installation	Note10
	Rotary warning light	
	Export specification	Note11
	Designated color	Note12

●For details of each option, confirm in the specifications for the options.
Note 7. Regarding the other languages, contact us separately.
English and Chinese are equipped as standard.
Note 8. The LINK10 has actual data collection, molding condition control and remote control functions.
Note 9. The NET100 has quality control and production control function in addition to the functions that the LINK10 has.
Note 10. May not be applicable depending on the model.
Note 11. Regarding the export specifications, separate discussion is needed in some cases, depending upon the export destination.
Note 12. Designate colors, referring to color samples or Munsell codes.

Utilities

■ Total Power Capacity

Machine Model		Total Power Capacity (kVA)
J550AD	1400H	53.5
	2300H	58.3
	3100H	68.6
J650AD	2300H	59.9
	3100H	70.2
	3900H	84.9
J850AD J850ADW	3100H	70.4
	3900H	85.1
	5200H	88.1
J1000AD	3100H	71.2
	3900H	85.9
	5200H	88.9
J1300AD	3900H	86.3
	5200H	89.2
	7500H	96.7
J1800AD	5200H	90.6
	7500H	98.1
	9500H	150.9

Note: 1. Total power capacity does not include external outlets.
2. We recommend that the rated interrupting current of the main power supply breaker is more than 25 kA at AC400V/460V.

■ Cooling Water Capacity for Barrel Temperature Control

Injection Unit	Cooling Water Capacity for Barrel Temperature control (m^3/h)
1400H	0.6
2300H	1.2
3100H	
3900H	1.6
5200H	
7500H	
9500H	2.8

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

■Hydraulic Oil Tank Capacity

機　　種	Hydraulic Oil Tank Capacity (L)
J550AD	30
J650AD	
J850AD	
J850ADW	
J1000AD	
J1300AD	
J1800AD	