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Printed in Japan HO,AH,JF,AJ,C

JADS™ SERIES

Electric Servo Drive Injection Molding Machine



Model
J30ADS | J50ADS | J80ADS | J100ADS | J130ADS | J180ADS

Specifications for Europe

Made in HIROSHIMA

JSW



JQA-QMA13993
JQA-EM6416 (Hiroshima Plant)

Performance Table

Equipment Dimensions and Mold Related Dimensions

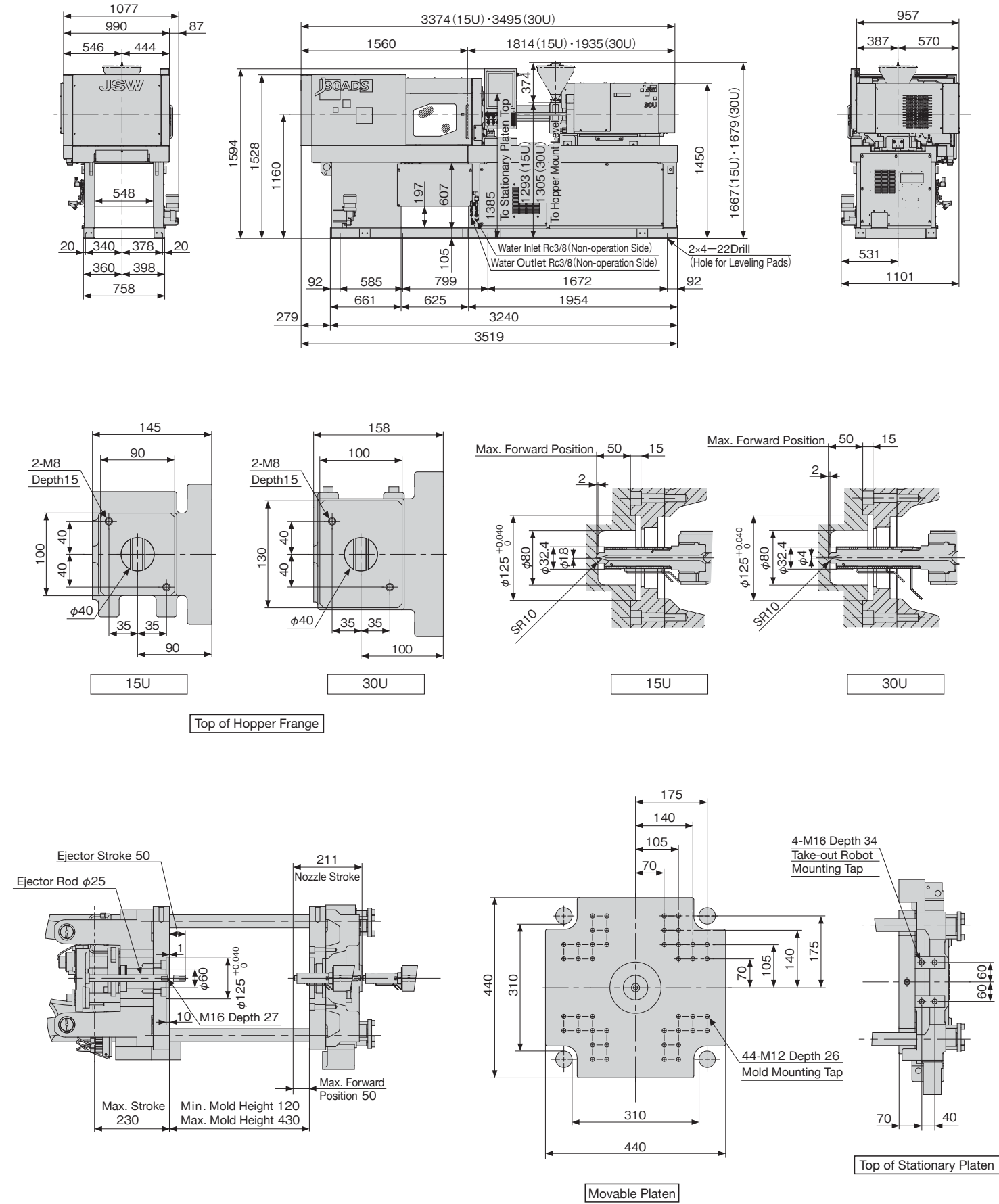
Unit	Item	Model	J30ADS						
			15U			30U			
Injection Unit	Screw Diameter	mm	16	18	20	20	22	25	
	Screw Stroke	mm	60			80			
	Theoretical Injection Capacity	cm ³	12	15	18	25	30	39	
	Injection Capacity (GP-PS)	g	11	14	17	23	28	38	
	Standard	Injection Pressure (Max.)	MPa (kgf/cm ²)	276 (2810)	218 (2220)	177 (1800)	270 (2750)	223 (2270)	172 (1750)
		Holding Pressure (Max.)	MPa (kgf/cm ²)	251 (2560)	198 (2010)	161 (1640)	245 (2490)	203 (2070)	157 (1600)
		Injection Speed	mm/s	350			350		
		Injection Rate	cm ³ /s	70	89	110	110	133	172
		Plasticizing Capacity (GP-PS)	kg/h	10	14	17	17	21	28
		Screw Speed	min ⁻¹	500			500		
		High Speed (Option)	Injection Pressure (Max.)	MPa (kgf/cm ²)	276 (2810)	218 (2220)	177 (1800)	270 (2750)	223 (2270)
	Holding Pressure (Max.)		MPa (kgf/cm ²)	251 (2560)	198 (2010)	161 (1640)	245 (2490)	203 (2070)	157 (1600)
	Injection Speed		mm/s	500			500		
	Injection Rate		cm ³ /s	101	127	157	157	190	245
Plasticizing Capacity (GP-PS)	kg/h		10	14	17	17	21	28	
Screw Speed	min ⁻¹		500			500			
Ext. Holding Pressure (Option)	Injection Pressure (Max.)		MPa (kgf/cm ²)	276 (2810)	218 (2220)	177 (1800)	270 (2750)	223 (2270)	172 (1750)
	Holding Pressure (Max.)	MPa (kgf/cm ²)	251 (2560)	198 (2010)	161 (1640)	245 (2490)	203 (2070)	157 (1600)	
	Injection Speed	mm/s	250			250			
	Injection Rate	cm ³ /s	50	64	79	79	95	123	
	Plasticizing Capacity (GP-PS)	kg/h	10	14	17	17	21	28	
	Screw Speed	min ⁻¹	500			500			
	Nozzle Touch Force	kN (tf)	19.6 (2.0) Center Touch						
Nozzle Stroke from Platen	mm	50							
Type of Nozzle		Open Nozzle							
Barrel Temperature Control		Barrel 3, Nozzle 2							
Heater Wattage	kW	3.1			3.9				
Clamping Unit	Mechanism		Double Toggle						
	Clamping Force	kN (tf)	300 (30.6)						
	Daylight Opening (Max.)	mm	660						
	Opening Stroke (Max.)	mm	230						
	Mold Height	mm	120~430						
	Distance Between Tie-bars (H×V)	mm	310×310						
	Platen Size (H×V)	mm	440×440						
	Locating Ring Diameter	mm	125						
	Ejector Point		φ60 / 1 Point (Center)						
	Ejector Force	kN (tf)	9.9 (1.0)						
	Ejector Stroke	mm	50						
General	Machine Weight	t	2.3						
	Machine Dimensions (L×W×H)	m	3.52×1.10×1.59			3.52×1.10×1.59			

Remarks:

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

- Due to continual improvements, specifications are subject to change without notice.
- Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
- Performance specifications are based on theoretical data.
- High speed injection and Ext. holding pressure injection are optional.
- 1MPa=10.2 kgf/cm²; 1kN=0.102tf



Performance Table

Equipment Dimensions and Mold Related Dimensions

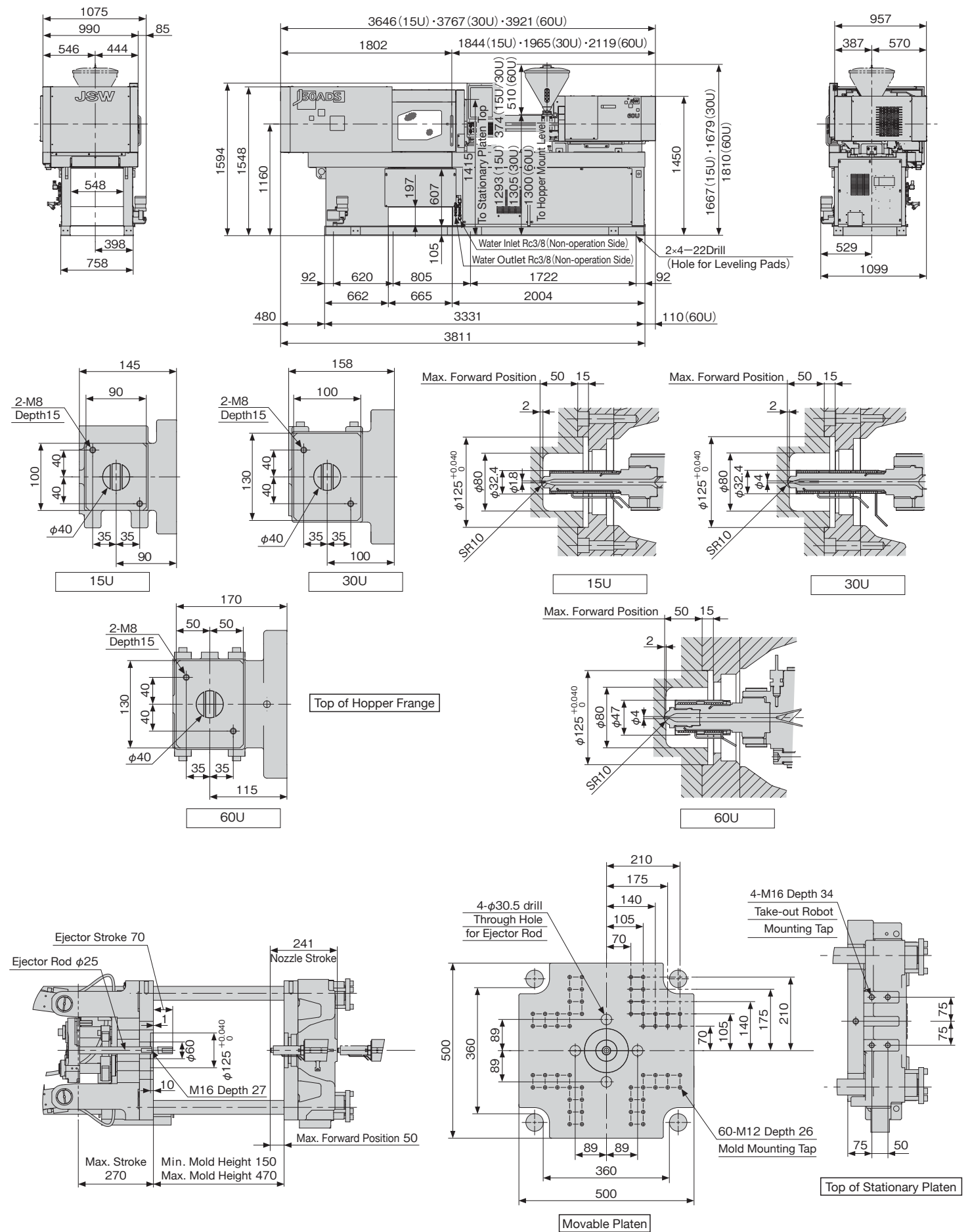
Unit	Item	Model	J50ADS									
			15U			30U			60U			
Injection Unit	Screw Diameter	mm	16	18	20	20	22	25	25	28	32	
	Screw Stroke	mm	60			80			100			
	Theoretical Injection Capacity	cm ³	12	15	18	25	30	39	49	62	80	
	Injection Capacity (GP-PS)	g	11	14	17	23	28	38	45	56	73	
	Standard	Injection Pressure (Max.)	MPa (kgf/cm ²)	276 (2810)	218 (2220)	177 (1800)	270 (2750)	223 (2270)	172 (1750)	270 (2750)	215 (2190)	165 (1680)
		Holding Pressure (Max.)	MPa (kgf/cm ²)	251 (2560)	198 (2010)	161 (1640)	245 (2490)	203 (2070)	157 (1600)	245 (2490)	195 (1980)	150 (1530)
		Injection Speed	mm/s	350			350			350		
		Injection Rate	cm ³ /s	70	89	110	110	133	172	172	216	281
		Plasticizing Capacity (GP-PS)	kg/h	10	14	17	17	21	28	34	46	74
		Screw Speed	min ⁻¹	500			500			400		
		High Speed (Option)	Injection Pressure (Max.)	MPa (kgf/cm ²)	276 (2810)	218 (2220)	177 (1800)	270 (2750)	223 (2270)	172 (1750)	270 (2750)	215 (2190)
	Holding Pressure (Max.)		MPa (kgf/cm ²)	251 (2560)	198 (2010)	161 (1640)	245 (2490)	203 (2070)	157 (1600)	245 (2490)	195 (1980)	150 (1530)
	Injection Speed		mm/s	500			500			500		
	Injection Rate		cm ³ /s	101	127	157	157	190	245	245	308	402
	Plasticizing Capacity (GP-PS)		kg/h	10	14	17	17	21	28	34	46	74
Screw Speed	min ⁻¹		500			500			400			
Ext. Holding Pressure (Option)	Injection Pressure (Max.)		MPa (kgf/cm ²)	276 (2810)	218 (2220)	177 (1800)	270 (2750)	223 (2270)	172 (1750)	270 (2750)	215 (2190)	165 (1680)
	Holding Pressure (Max.)	MPa (kgf/cm ²)	251 (2560)	198 (2010)	161 (1640)	245 (2490)	203 (2070)	157 (1600)	245 (2490)	195 (1980)	150 (1530)	
	Injection Speed	mm/s	250			250			250			
	Injection Rate	cm ³ /s	50	64	79	79	95	123	123	154	201	
	Plasticizing Capacity (GP-PS)	kg/h	10	14	17	17	21	28	34	46	74	
	Screw Speed	min ⁻¹	500			500			400			
	Nozzle Touch Force	kN (tf)	19.6 (2.0) Center Touch									
Nozzle Stroke from Platen	mm	50										
Type of Nozzle		Open Nozzle				Open Nozzle (Tip Type)						
Barrel Temperature Control		Barrel 3, Nozzle 2				Barrel 4, Nozzle 2						
Heater Wattage	kW	3.1			3.9			5.5				
Clamping Unit	Mechanism		Double Toggle									
	Clamping Force	kN (tf)	500 (51.0)									
	Daylight Opening (Max.)	mm	740									
	Opening Stroke (Max.)	mm	270									
	Mold Height	mm	150~470									
	Distance Between Tie-bars (H×V)	mm	360×360									
	Platen Size (H×V)	mm	500×500									
	Locating Ring Diameter	mm	125									
	Ejector Point		φ60 / 1 Point (Center)、φ30.5 / 4 Points									
	Ejector Force	kN (tf)	20.0 (2.0)									
Ejector Stroke	mm	70										
General	Machine Weight	t	2.7			2.8			2.8			
	Machine Dimensions (L×W×H)	m	3.81×1.10×1.59			3.81×1.10×1.59			3.92×1.10×1.59			

Remarks:

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- High speed injection and Ext. holding pressure injection are optional.
- 1MPa=10.2 kgf/cm²; 1kN=0.102tf

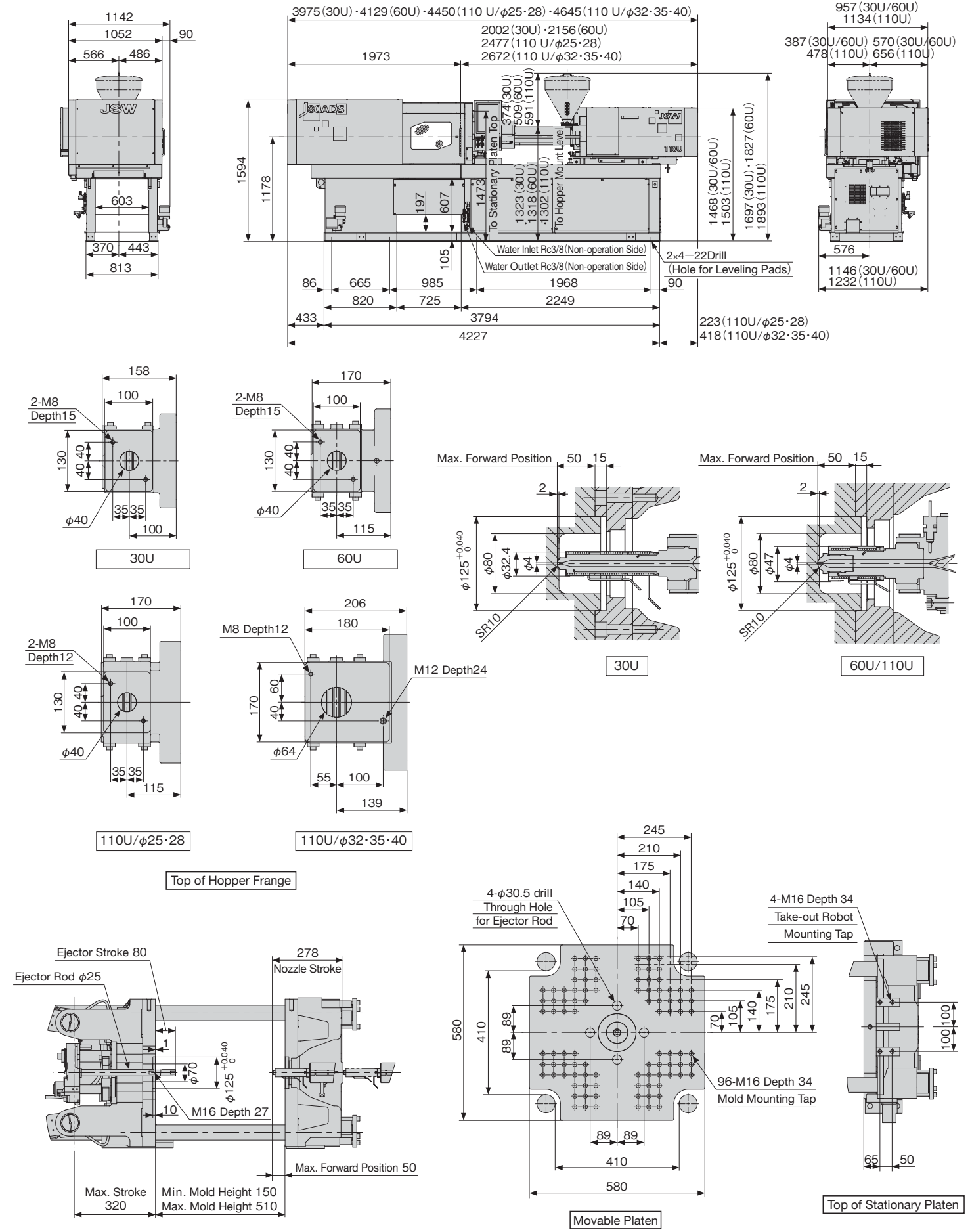


Performance Table

Equipment Dimensions and Mold Related Dimensions

Unit	Item	Model	J80ADS											
			30U			60U			110U					
Injection Unit	Screw Diameter	mm	20	22	25	25	28	32	25	28	32	35	40	
	Screw Stroke	mm	80			100			100			120		
	Theoretical Injection Capacity	cm ³	25	30	39	49	62	80	49	62	97	115	151	
	Injection Capacity (GP-PS)	g	23	28	38	45	56	73	45	56	88	105	137	
	Standard	Injection Pressure (Max.)	MPa(kgf/cm ²)	270 2750	223 2270	172 1750	270 2750	215 2190	165 1680	320 3260	300 3060	270 2750	225 2290	172 1750
		Holding Pressure (Max.)	MPa(kgf/cm ²)	245 2490	203 2070	157 1600	245 2490	195 1980	150 1530	290 2960	275 2800	245 2490	205 2090	157 1600
		Injection Speed	mm/s	350			350			350				
	High Speed (Option)	Injection Rate	cm ³ /s	110	133	172	172	216	281	172	216	281	337	440
		Plasticizing Capacity (GP-PS)	kg/h	17	21	28	34	46	74	34	46	74	92	123
		Screw Speed	min ⁻¹	500			400			400				
	Ext. Holding Pressure (Option)	Injection Pressure (Max.)	MPa(kgf/cm ²)	270 2750	223 2270	172 1750	270 2750	215 2190	165 1680	-	-	-	-	-
		Holding Pressure (Max.)	MPa(kgf/cm ²)	245 2490	203 2070	157 1600	245 2490	195 1980	150 1530	-	-	-	-	-
		Injection Speed	mm/s	500			500			-				
	Clamping Unit	Injection Rate	cm ³ /s	157	190	245	245	308	402	-	-	-	-	-
		Plasticizing Capacity (GP-PS)	kg/h	17	21	28	34	46	74	-	-	-	-	-
Screw Speed		min ⁻¹	500			400			-					
General	Injection Pressure (Max.)	MPa(kgf/cm ²)	270 2750	223 2270	172 1750	270 2750	215 2190	165 1680	320 3260	300 3060	270 2750	225 2290	172 1750	
	Holding Pressure (Max.)	MPa(kgf/cm ²)	245 2490	203 2070	157 1600	245 2490	195 1980	150 1530	290 2960	275 2800	245 2490	205 2090	157 1600	
	Injection Speed	mm/s	250			250			250					
	Injection Rate	cm ³ /s	79	95	123	123	154	201	123	154	201	241	314	
	Plasticizing Capacity (GP-PS)	kg/h	17	21	28	34	46	74	34	46	74	92	123	
	Screw Speed	min ⁻¹	500			400			400					
	Nozzle Touch Force	kN tf	19.6 2.0 Center Touch					24.5 2.5 Center Touch						
	Nozzle Stroke from Platen	mm	50											
	Type of Nozzle		Open Nozzle			Open Nozzle (Tip Type)								
	Barrel Temperature Control		Barrel 3, Nozzle 2			Barrel 4, Nozzle 2								
Heater Wattage	kW	3.9			5.5			6.7		9.2				
Mechanism		Double Toggle												
Clamping Force	kN tf	800 81.6												
Daylight Opening (Max.)	mm	830												
Opening Stroke (Max.)	mm	320												
Mold Height	mm	150~510												
Distance Between Tie-bars (HXV)	mm	410×410												
Platen Size (H×V)	mm	580×580												
Locating Ring Diameter	mm	125												
Ejector Point		φ70 / 1 Point (Center)、φ30.5 / 4 Points												
Ejector Force	kN tf	32.4 3.3												
Ejector Stroke	mm	80												
Machine Weight	t	3.3			3.4			3.9						
Machine Dimensions (L×W×H)	m	4.23×1.15×1.59			4.23×1.15×1.59			4.45×1.23×1.59		4.65×1.23×1.59				

Remarks:
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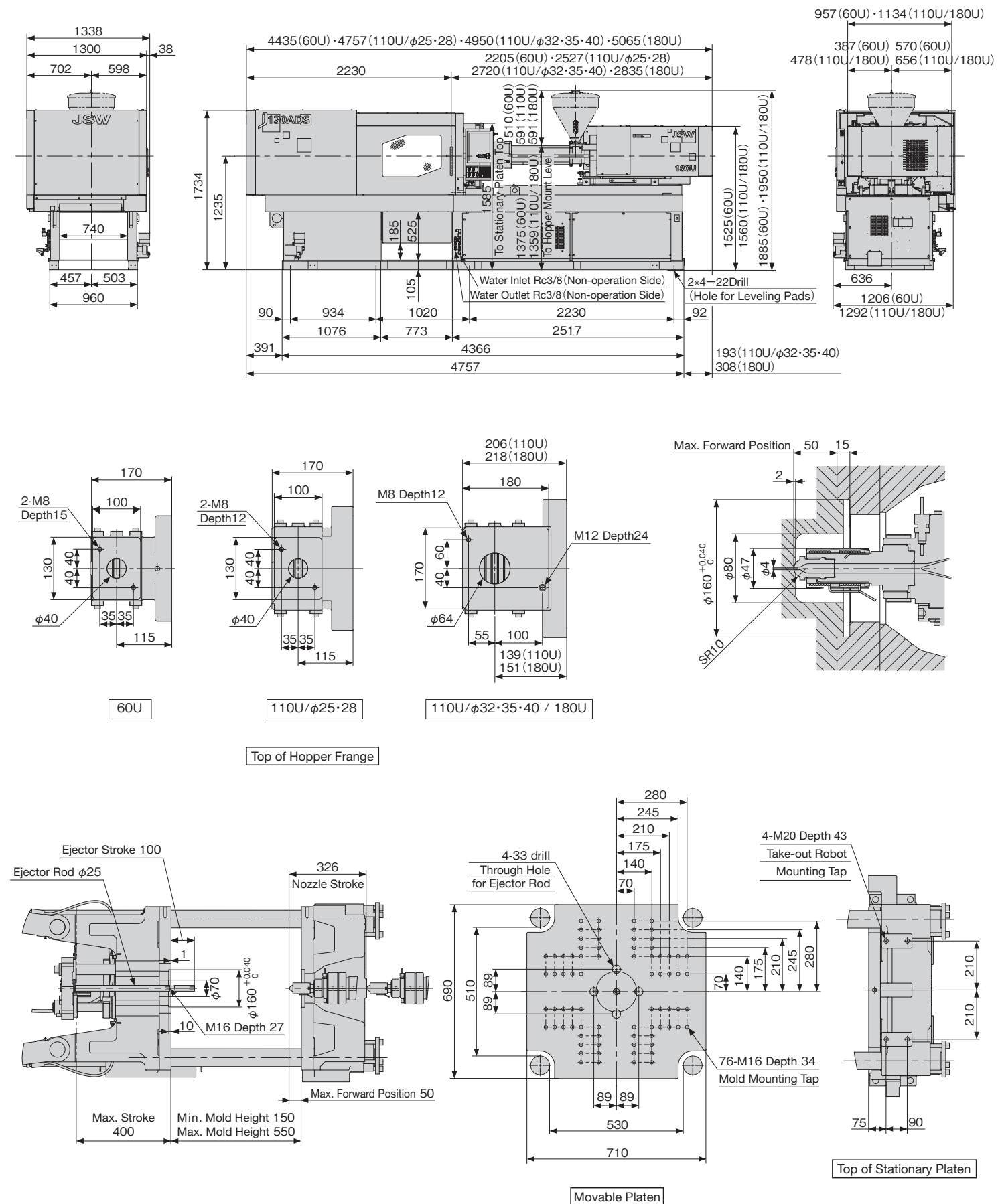
Unit	Model	J130ADS												
		60U			110U				180U					
Injection Unit	Screw Diameter	mm	25	28	32	25	28	32	35	40	35	40	45	
	Screw Stroke	mm	100			100				120			140	
	Theoretical Injection Capacity	cm ³	49	62	80	49	62	97	115	151	135	176	223	
	Injection Capacity (GP-PS)	g	45	56	73	45	56	88	105	137	123	160	203	
	Standard	Injection Pressure (Max.)	MPa(kgf/cm ²)	270 2750	215 2190	165 1680	320 3260	300 3060	270 2750	225 2290	172 1750	260 2650	199 2020	157 1600
		Holding Pressure (Max.)	MPa(kgf/cm ²)	245 2490	195 1980	150 1530	290 2960	275 2800	245 2490	205 2090	157 1600	236 2400	181 1840	143 1450
		Injection Speed	mm/s	350			350				350			
		Injection Rate	cm ³ /s	172	216	281	172	216	281	337	440	337	440	557
		Plasticizing Capacity (GP-PS)	kg/h	34	46	74	34	46	74	92	123	92	127	166
	High Speed (Option)	Injection Pressure (Max.)	MPa(kgf/cm ²)	270 2750	215 2190	165 1680	320 3260	300 3060	270 2750	225 2290	172 1750	260 2650	199 2020	157 1600
		Holding Pressure (Max.)	MPa(kgf/cm ²)	245 2490	195 1980	150 1530	290 2960	275 2800	245 2490	205 2090	157 1600	236 2400	181 1840	143 1450
		Injection Speed	mm/s	500			500				500			
		Injection Rate	cm ³ /s	245	308	402	245	308	402	481	628	481	628	795
Plasticizing Capacity (GP-PS)		kg/h	34	46	74	34	46	74	92	123	92	127	166	
Ext. Holding Pressure (Option)	Injection Pressure (Max.)	MPa(kgf/cm ²)	270 2750	215 2190	165 1680	320 3260	300 3060	270 2750	225 2290	172 1750	260 2650	199 2020	157 1600	
	Holding Pressure (Max.)	MPa(kgf/cm ²)	245 2490	195 1980	150 1530	290 2960	275 2800	245 2490	205 2090	157 1600	236 2400	181 1840	143 1450	
	Injection Speed	mm/s	250			250				200				
	Injection Rate	cm ³ /s	123	154	201	123	154	201	241	314	192	251	318	
	Plasticizing Capacity (GP-PS)	kg/h	34	46	74	34	46	74	92	123	92	127	166	
Clamping Unit	Screw Speed	min ⁻¹	400			400				400				
	Nozzle Touch Force	kN(tf)	19.6 2.0 Center Touch			24.5 2.5 Center Touch								
	Nozzle Stroke from Platen	mm	50											
	Type of Nozzle		Open Nozzle (Tip Type)											
	Barrel Temperature Control		Barrel 4, Nozzle 2											
	Heater Wattage	kW	5.5			6.7				9.2			10.2	
	Mechanism		Double Toggle											
	Clamping Force	kN(tf)	1300 133											
	Daylight Opening (Max.)	mm	950											
	Opening Stroke (Max.)	mm	400											
General	Mold Height	mm	150~550											
	Distance Between Tie-bars (HXV)	mm	530×510											
	Platen Size (H×V)	mm	710×690											
	Locating Ring Diameter	mm	160											
	Ejector Point		φ70 / 1 Point (Center)、φ33 / 4 Points											
	Ejector Force	kN(tf)	32.4 3.3											
	Ejector Stroke	mm	100											
	Machine Weight	t	5.3			5.8				5.9				
	Machine Dimensions (L×W×H)	m	4.76×1.34×1.73			4.76×1.34×1.73				4.95×1.34×1.73			5.07×1.34×1.73	

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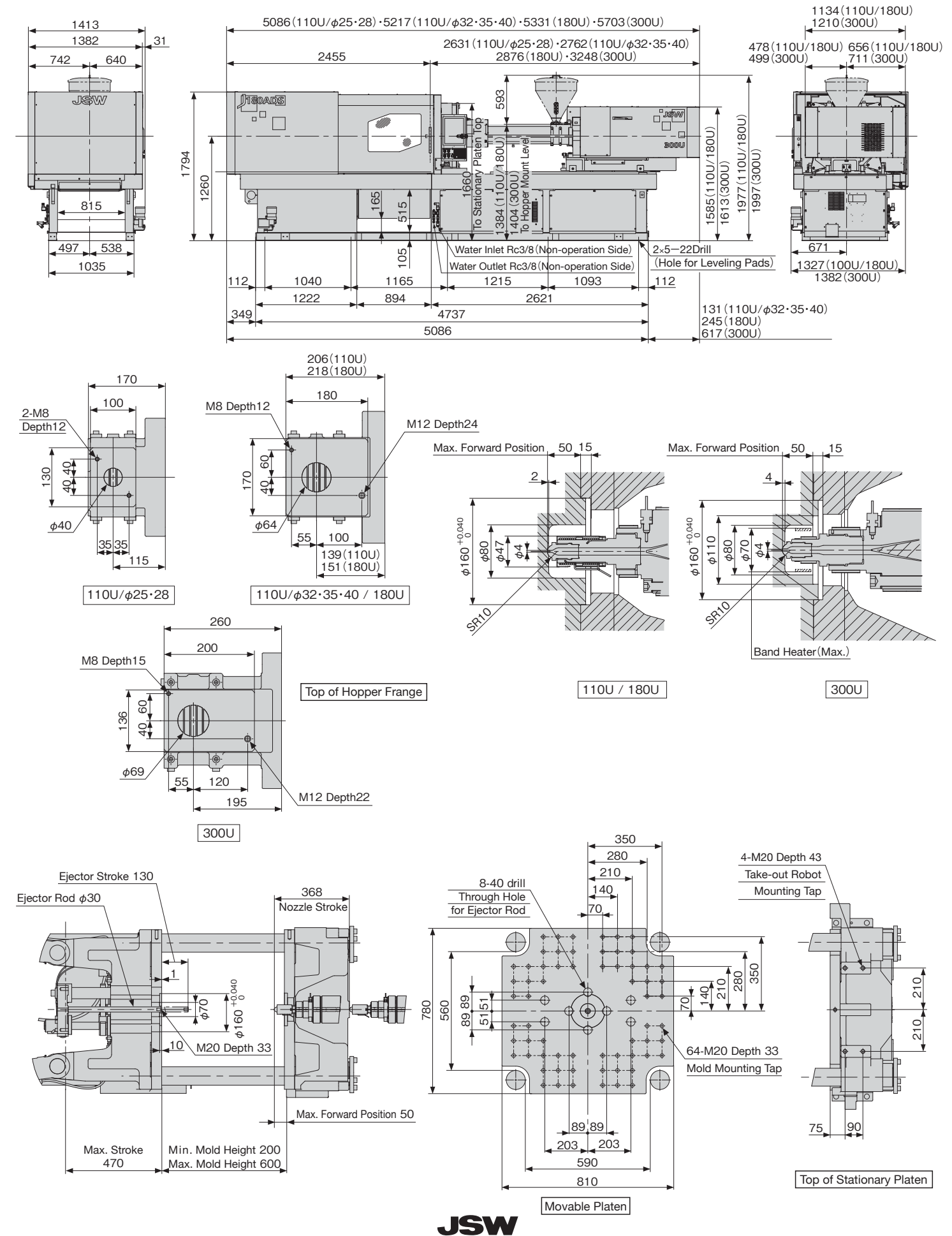
Unit	Item	Model	J180ADS											
			110U				180U				300U			
Injection Unit	Screw Diameter	mm	25	28	32	35	40	35	40	45	40	46	51	
	Screw Stroke	mm	100				120				140			
	Theoretical Injection Capacity	cm ³	49	62	97	115	151	135	176	223	226	299	368	
	Injection Capacity (GP-PS)	g	45	56	88	105	137	123	160	203	206	273	335	
	Standard	Injection Pressure (Max.)	MPa(kgf/cm ²)	320 3260	300 3060	270 2750	225 2290	172 1750	260 2650	199 2020	157 1600	250 2550	189 1920	154 1570
		Holding Pressure (Max.)	MPa(kgf/cm ²)	290 2960	275 2800	245 2490	205 2090	157 1600	236 2400	181 1840	143 1450	227 2310	172 1750	140 1420
		Injection Speed	mm/s	350				350				240		
		Injection Rate	cm ³ /s	172	216	281	337	440	337	440	557	301	399	490
		Plasticizing Capacity (GP-PS)	kg/h	34	46	74	92	123	92	127	166	130	184	232
	High Speed (Option)	Screw Speed	min ⁻¹	400				400				400		
		Injection Pressure (Max.)	MPa(kgf/cm ²)	320 3260	300 3060	270 2750	225 2290	172 1750	260 2650	199 2020	157 1600	250 2550	189 1920	154 1570
		Holding Pressure (Max.)	MPa(kgf/cm ²)	290 2960	275 2800	245 2490	205 2090	157 1600	236 2400	181 1840	143 1450	227 2310	172 1750	140 1420
		Injection Speed	mm/s	500				500				330		
Injection Rate		cm ³ /s	245	308	402	481	628	481	628	795	415	548	674	
Ext. Holding Pressure (Option)	Plasticizing Capacity (GP-PS)	kg/h	34	46	74	92	123	92	127	166	130	184	232	
	Screw Speed	min ⁻¹	400				400				400			
	Injection Pressure (Max.)	MPa(kgf/cm ²)	320 3260	300 3060	270 2750	225 2290	172 1750	260 2650	199 2020	157 1600	250 2550	189 1920	154 1570	
	Holding Pressure (Max.)	MPa(kgf/cm ²)	290 2960	275 2800	245 2490	205 2090	157 1600	236 2400	181 1840	143 1450	227 2310	172 1750	140 1420	
	Injection Speed	mm/s	250				200				160			
General	Injection Rate	cm ³ /s	123	154	201	241	314	192	251	318	201	266	327	
	Plasticizing Capacity (GP-PS)	kg/h	34	46	74	92	123	92	127	166	130	184	232	
Clamping Unit	Screw Speed	min ⁻¹	400				400				400			
	Nozzle Touch Force	kN(tf)	24.5{2.5} Center Touch											
	Nozzle Stroke from Platen	mm	50											
	Type of Nozzle		Open Nozzle (Tip Type)											
	Barrel Temperature Control		Barrel 4, Nozzle 2				Barrel 4, Nozzle 1							
	Heater Wattage	kW	6.7	9.2				10.2			13			
	Mechanism		Double Toggle											
	Clamping Force	kN(tf)	1800{184}											
	Daylight Opening (Max.)	mm	1070											
	Opening Stroke (Max.)	mm	470											
Mold Height	mm	200~600												
Distance Between Tie-bars (HXV)	mm	590×560												
Platen Size (H×V)	mm	810×780												
Locating Ring Diameter	mm	160												
Ejector Point		φ70 / 1 Point (Center)、φ40 / 8 Points												
Ejector Force	kN(tf)	34.3{3.5}												
Ejector Stroke	mm	130												
General	Machine Weight	t	7.5				7.7							
	Machine Dimensions (L×W×H)	m	5.09×1.41×1.79	5.22×1.41×1.79				5.33×1.41×1.79			5.70×1.41×1.79			

Remarks:

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

- Due to continual improvements, specifications are subject to change without notice.
- Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
- Performance specifications are based on theoretical data.
- High speed injection and Ext. holding pressure injection are optional.
- 1MPa=10.2 kgf/cm², 1kN=0.102tf



Standard Equipment List

Item		
Injection unit	Open Nozzle (Tip type) / Injection Units up to 300U Note 1	
	KC Nozzle/15U-180U	
	N2000F Barrel	
	LSP-2 screw (Abrasion-resistant type) /15U-180U Note 2	
	Chrome-plated Screw/300U Note 2	
	Screw Pull-back	
	Injection Unit Swiveling Device (with Limit Switch)	
	Screw Cold Start Prevention	
	Molding/Purging/Pause Temperature Select	
	Auto Purging Circuit	
	Nozzle Retract Select	
	Injection/Metering Programmed Control	Injection/Holding Pressure: 1 to 6 Steps (Variable) Metering/Back Pressure: 1 to 3 Steps (Variable)
	Holding Pressure Control Select	
	Pull-back Select	
	IVS Control (1 Holding Pressure Transfer by Speed Detection)	
Clamping unit	Barrel Temperature Control (PID)	
	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	
	Auto Grease Lubrication	
	Barrel Insulation Cover	
	High-performance Platen Support	
	Low Vibration Mold Open/Close	
	Wide Platen	
	Flat Press Platen Mechanism (Stationary Side/Movable Side)	
	Mold Open/Close and Ejection Programmed Control	Mold Open/Close : 4 Steps (Fixed) Ejection : 1 to 3 Steps (Variable)
	Mold Protection Function	
Electric-driven Mold Thickness Adjusting Device		
Auto Clamp Force Setting		
Ejector Plate Return Confirmation Circuit		
Toggle Type Injection Compression Function	A-mode B-mode Compression: 1 to 6 Steps (Variable)	
Parallel Motion	Screw Rotation During Mold Open/Close Eject During Mold Open Injection During Clamp Up	
Clamping Safety Device (Mechanical/Electrical)		
Robot Mounting Holes		
Grease-free Toggle Bushing		
Auto Grease Lubrication		
Servo Motor With Brake (Mold O/C·EJ)		

- Note 1. Nozzle of 300U is one piece type nozzle.
 Note 2. Screw of injection units 15U,30U,60U,110U and 180U, LSP-2 (Abrasion-resistant type) GP21 screw is equipped as standard.
 Screw of injection units 300U, Chrome-plated GP21 screw is equipped as standard.
 Note 3. USB memory device as external memory is capable of storing of molding conditions.
 Note 4. Screen Capture can be saved in PNG format, and measuring data can be saved in CSV format
 Note 5. The printer and the printer cables are options.
 Note 6. Maximum of 16 items and alarms can be selected out of the following monitor items.
 ① Cycle time ② Injection time ③ Metering time ④ Max Injection pressure ⑤ Cushion position
 ⑥ Holding pressure end position ⑦ Holding pressure transfer pressure ⑧ Screw back pressure
 ⑨ Metering torque ⑩ Holding pressure transfer speed ⑪ Mold close time ⑫ Mold open time
 ⑬ Clamping force ⑭ Shift stroke (HAVC) ⑮ End speed (HAVC)
 Note 7. Maintenance monitor based on molding condition

Item	
Controller	Multi-touch Panel 15" TFT Color LCD Controller
	Multi-language Select (English, Chinese, Japanese)
	300 Mold Conditions Storage (Internal Memory) Note 3
	Soft Start Molding
	Self Diagnostics Function
	I/O Customize Function
	Molding Operation Assist Function
	Help Function
	Pop-up Display
	Manual Browsing Function
	Start-up Safety Notice
	Molding Condition MEMO
	Screen Capture Files Can Be Stored to USB Memory Device Note 4
	USB Printer Port Note 5
	Overall Setting Screen
Monitor	Pre-heat Timer
	Product Takeout Robot Circuit
	Attended/Unattended Operation Select
	Actual Value Display
	Injection/Metering Waveform Monitor
	Injection/Metering Waveform Storage
	Oscilloscope Waveform Monitor
	Energy Consumption and Regeneration Monitor
	Barrel Temperature Monitor
	Injection Pressure Monitor (IPM)
	Statistical Graph
	Production Monitor
	Cumulative Operating Hour Display
	Cycle Monitor
	Molding Condition Upper/Lower Limit Monitor Note 6
Inspection and Maintenance Guide Note 7	
Heater System Alarm	
Injection Pressure Overshoot Alarm	
Servo Fault Alarm	
Grease Lubrication Alarm	
Fault Alarm Buzz	
Alarm History	
Set Value History	
Others	Safety Compliance to JIMS K1001
	Cooling Water Closed Circuit for Feed Throat
	Accessories (Maintenance Tools and Ejector Rods, etc.)

Options List

Item	
Injection unit	Long Nozzle
	Shut-off Nozzle (Pneumatic Type and Hydraulic Type) Note. 1
	KC Nozzle (300U)
	M7 Screw (Plasticization type)
	HP Screw (High Dispersion Type)
	LSP-2 Screw (Abrasion-resistant Type) (300U)
	Chrome Plated Screw (15U-180U)
	Screws and Barrels for Optical Application
	Screws and Barrels for Super Engineered Plastics Application
	Special Screw Note. 2
	Barrel Blower Cooling Unit
	Hopper
	Hopper Slide Device
	High-speed injection spec.
	Extended Holding Pressure Time Note. 3
Long-time Plasticizing Spec. Note. 4	
Clamping unit	Mold Platen Heat Insulation Board (5 or 10mm) Note. 5
	Locating Ring
	Air Jet
	Core Pull Devices (Pneumatic Type and Hydraulic Type)
	Valve Gate Device (Pneumatic Type and Hydraulic Type)
	Coupler joint (Hydraulic, Pneumatic)
	Hydraulic Power Pack (40L or 60L) Internal Unit
	Ejector Gate Cutting Circuit
	Unscrewing Motor Circuit
	Product Drop Detector (Photoelectric)
	Chute
	Rejecting Product Detecting Chute
	T-groove Platen
	Mold Setup Device Note. 5
	Mold Clamper Device (Pneumatic Type, Hydraulic Type, Magnet Type)
Easy Mold Clamper (Easy clamp)	
Clamping Force Monitoring Function	
Clamping Force Feedback Control	

Item	
Other	Multi-language Select (1 Language Additional) Note. 6
	Centralized Control System NET100
	Mold Temperature Display (with Mold Temperature Upper/Lower Limit Alarm)
	Mold Temperature Control Device (with Mold Temperature Upper/Lower Limit Alarm)
	Mold Cooling Water Circuit (Installed on bed) Max. 60 °C
	Cooling Water Alarm
	Leveling Pad for Installation
	Machine Movement Prevention Device (Anchor Bolts)
Rotary Warning Light (Single Color, 3 Colors)	
Export Specification Note. 7	
Designated Color (Bed and Cover) Note. 8	

- Note 1. Pneumatically actuated shut-off nozzle or hydraulically actuated shut-off nozzle can be selected.
 When selecting a hydraulically actuated nozzle, discussion with JSW is required.
 Note 2. Contact us for the special screws.
 Note 3. Specification for reducing motor load during long-time holding pressure molding under high holding pressure
 Note 4. Specification for reducing motor load during high plasticization torque molding
 Note 5. When thermal insulation boards or magnet mold clampers are equipped, their thicknesses should be considered for calculating the nozzle insertion amount.
 In addition, please note that the usable mold thickness range will change.
 Note 6. English and Chinese are equipped as standard.
 Note 7. Regarding export specifications, discussion with JSW is required in some cases, depending upon the export destinations.
 Note 8. Please designate colors, referring to color

Utilities

■ Total Power Capacity

Machine Model	Total Power Capacity (kVA)		
	Standard Injection	High Speed Injection	Ext. Holding Pressure
J30ADS	15U	5.2	5.6
	30U	5.8	6.5
J50ADS	15U	5.6	6.0
	30U	6.2	6.9
J80ADS	60U	9.4	10.2
	110U	13.9	13.9
J100ADS	60U	9.6	10.4
	110U	14.1	15.7
J130ADS	60U	9.6	10.4
	110U	14.1	15.7
J180ADS	110U	12.8	14.4
	180U	14.9	16.5
	300U	19.2	20.6

- 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 25kA at AC400V/460V.

■ Cooling Water Capacity for Barrel Temperature Control

Machine Model	Cooling Water Capacity for Barrel Temperature Control (m ³ /h)
15U	0.2
30U	
60U	0.3
110U	
180U	0.4
300U	

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