Major Specifications

ITEM		UNIT	EC5		EC7	
Injection Unit Code			i0.1		i0.1	
Barrel Code			A	B	A	B
Screw Diameter		mm	14	16	14	16
Shot Weight	PS	g	5.9	7.7	5.9	7.7
	PE	g	4.7	6.1	4.7	6.1
Injection Pressure (Max.)		MPa	200	153	200	153
		kgf/cm^2	2040	1560	2040	1560
Injection Speed		mm/s	150		150	
Plasticizing Capacity (PS)		kg/h	6.1	8	6.1	8
Clamping Force		kN(tf)	48(5)		68(7)	
Distance Between Tie Rods (H × V)		mm	Tie rod-less		Tie rod-less	
Clamp Stroke		mm	135		135	
Open Daylight (Max.)		mm	250		250	
Machine Dimensions	L	m	1.8		1.8	
	W		0.9		0.9	
	H		1.4		1.4	

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. 1MPa=10.2kgf/㎠, 1kN=102kgf, 1N=0.102kgf

Major Specifications

ITEM		UNIT	EC5P		EC20PNII		
Injection Unit Code			i0.1		i0.4		
Barrel Code			A	B	Y	A	B
Screw Diameter		mm	14	16	16	18	20
Shot Weight	PS	g	5.9	7.7	13	16	20
	PE	g	4.7	6.1	10	13	16
Injection Pressure (Max.)		MPa	200	153	278	220	178
		kgf/cm^2	2040	1560	2810	2240	1810
Injection Speed		mm/s	150		425		
Plasticizing Capacity (PS)		kg/h	6.1	8	8	12	14
Clamping Force		kN(tf)	48(5)		196(20)		
Distance Between Tie Rods (H × V)		mm	220x220		280 × 280		
Clamp Stroke		mm	135		230		
Open Daylight (Max.)		mm	250		530		
Machine Dimensions	L	m	1.8		2.9		
	W		0.9		1.0		
	H		1.4		1.6		

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. 1MPa=10.2kgf/㎠, 1kN=102kgf, 1N=0.102kgf

Major Specifications

ITEM		UNIT	EC40NII		
Injection Unit Code			i1		
Barrel Code			Y	A	B
Screw Diameter		mm	22	25	28
Shot Weight	PS	g	35	45	57
	PE	g	28	36	45
Injection Pressure (Max.)		MPa	258	200	159
		kgf/cm^2	2630	2040	1620
Injection Speed (std.)		mm/s	400		
Injection Speed (High speed)		mm/s	500		
Plasticizing Capacity (PS)		kg/h	22	28	35
Clamping Force		kN(tf)	390(40)		
Distance Between Tie Rods (H × V)		mm	320 × 320		
Clamp Stroke		mm	250		
Open Daylight (Max.)		mm	570		
Machine Dimensions	L	m	3.4		
	W		1.1		
	H		1.6		

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. * This is a numerical value for high-speed injection specification (optional specification).
4. 1MPa=10.2kgf/㎠, 1kN=102kgf, 1N=0.102kgf

Major Specifications

ITEM		UNIT	EC50S								EC75S				
Injection Unit Code			i1			i1.5		i2			i1.5		i2		
Barrel Code			Y	A	B	Y	A	Y	A	B	Y	A	Y	A	B
Screw Diameter		mm	22	25	28	25	28	28	32	36	25	28	28	32	36
Shot Weight	PS	g	35	45	57	51	63	72	94	120	51	63	72	94	120
	PE	g	28	36	45	40	50	57	75	95	40	50	57	75	95
Injection Pressure (Max.)		MPa	284	220	175	276	220	287	220	174	276	220	287	220	174
		kgf/cm^2	2890	2240	1780	2810	2240	2920	2240	1770	2810	2240	2920	2240	1770
Injection Speed		mm/s	200								200				
Plasticizing Capacity (PS)		kg/h	22	28	35	25	35	40	61	83	25	35	40	61	83
Clamping Force		kN(tf)	490(50)								735(75)				
Distance Between Tie Rods (H × V)		mm	410 × 360								410 × 360				
Clamp Stroke		mm	300								300				
Open Daylight (Max.)		mm	770(*710)(**750)								770(*710)(**750)				
Machine Dimensions	L	m	4.0			4.0		4.1			4.0		4.1		
	W		1.2			1.2		1.2			1.2		1.2		
	H		1.6			1.6		1.6			1.6		1.6		

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. Values marked with *vary with optional T-slotted mold platen.
4. Values marked with **vary with optional insulating plates (10mm) are attached.
5. The figures of heater capacity are for 220V-60HZ, those enclosed in ( ) are for 200V-50HZ.
6. 1MPa=10.2kgf/㎠, 1kN=0.102tf

Major Specifications

ITEM		UNIT	EC100S								EC130S				
Injection Unit Code			i2			i3		i4			i3		i4		
Barrel Code			Y	A	B	Y	A	Y	A	B	Y	A	Y	A	B
Screw Diameter		mm	28	32	36	32	36	36	40	45	32	36	36	40	45
Shot Weight	PS	g	72	94	120	105	134	145	180	230	105	134	145	180	230
	PE	g	57	75	95	83	106	115	145	185	83	106	115	145	185
Injection Pressure (Max.)		MPa	287	220	174	253	200	247	200	158	253	200	247	200	158
		kgf/cm^2	2920	2240	1770	2580	2040	2510	2040	1610	2580	2040	2510	2040	1610
Injection Speed		mm/s	200								200				
Plasticizing Capacity (PS)		kg/h	40	61	83	61	83	83	110	120	61	83	83	110	120
Clamping Force		kN(tf)	980(100)								1270(130)				
Distance Between Tie Rods (H × V)		mm	460 × 410								510 × 460				
Clamp Stroke		mm	350								400				
Open Daylight (Max.)		mm	900(*840)(**880)								950(*890)(**930)				
Machine Dimensions	L	m	4.6			4.6		4.9			4.9		5.1		5.2
	W		1.3			1.3		1.3			1.4		1.4		1.4
	H		1.7			1.7		1.7			1.8		1.8		1.8

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. Values marked with *vary with optional T-slotted mold platen.
4. Values marked with **vary with optional insulating plates (10mm) are attached.
5. The figures of heater capacity are for 220V-60HZ, those enclosed in ( ) are for 200V-50HZ.
6. 1MPa=10.2kgf/㎠, 1kN=0.102tf

Major Specifications

ITEM		UNIT	EC180S								EC230S					
Injection Unit Code			i4			i6			i8			i6			i8	
Barrel Code			Y	A	B	Y	A	Y	A	B	Y	A	Y	A	B	
Screw Diameter		mm	36	40	45	40	45	45	50	55	40	45	45	50	55	
Shot Weight	PS	g	145	180	230	208	263	292	361	437	208	263	292	361	437	
	PE	g	115	145	185	165	209	232	286	346	165	209	232	286	346	
Injection Pressure (Max.)		MPa	247	200	158	253	200	247	200	165	253	200	247	200	165	
		kgf/cm^2	2510	2040	1610	2580	2040	2510	2040	1680	2580	2040	2510	2040	1680	
Injection Speed		mm/s	200			160					160					
Plasticizing Capacity (PS)	std.	kg/h	83	110	120	110	120	120	160	190	110	120	120	160	190	
	High Torque	kg/h	–	–	–	–	–	–	–	–	–	–	–	–	–	
Clamping Force		kN(tf)	1760(180)								2250(230)					
Distance Between Tie Rods (H×V)		mm	560×510								610×560					
Clamp Stroke		mm	450								550					
Open Daylight (Max.)		mm	1050(*990)(**1030)								1230(*1170)(**1210)					
Machine Dimensions	L	m	5.7			5.9		6.0			6.2		6.3			
	W		1.5			1.5		1.5			1.6		1.6			
	H		1.9			1.9		1.9			2.0		2.0			

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. Values marked with *vary with optional T-slotted mold platen.
4. Values marked with **vary with optional insulating plates (10mm) are attached.
5. The figures of heater capacity are for 220V-60HZ, those enclosed in ( ) are for 200V-50HZ.
6. 1MPa=10.2kgf/㎠, 1kN=0.102tf

Major Specifications

ITEM		UNIT	EC280S						EC350S		
Injection Unit Code			i8			i17			i17		
Barrel Code			Y	A	B	Y	A	B	Y	A	B
Screw Diameter		mm	45	50	55	50	60	70	50	60	70
Shot Weight	PS	g	292	361	437	542	780	1062	542	780	1062
	PE	g	232	286	346	430	619	842	430	619	842
Injection Pressure (Max.)		MPa	247	200	165	288	200	147	288	200	147
		kgf/cm^2	2510	2040	1680	2930	2040	1490	2930	2040	1490
Injection Speed		mm/s	160						160		
Plasticizing Capacity (PS)	std.	kg/h	120	160	190	160	230	270	160	230	270
	High Torque	kg/h	–	–	–	–	190	–	–	190	–
Clamping Force		kN(tf)	2745(280)						3430(350)		
Distance Between Tie Rods (H × V)		mm	730 × 660						810 × 730		
Clamp Stroke		mm	600						650		
Open Daylight (Max.)		mm	1350(**1330)						1420(**1400)		
Machine Dimensions	L	m	6.7			7.0			7.3		
	W		2.0			2.0			2.1		
	H		2.1			2.1			2.2		

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. Values marked with *vary with optional T-slotted mold platen.
4. Values marked with **vary with optional insulating plates (10mm) are attached.
5. The figures of heater capacity are for 220V-60HZ, those enclosed in ( ) are for 200V-50HZ.
6. 1MPa=10.2kgf/㎠, 1kN=0.102tf

Major Specifications

ITEM		UNIT	EC50SX								EC75SX				
Injection Unit Code			i1			i1.5		i2			i1.5		i2		
Barrel Code			Y	A	B	Y	A	Y	A	B	Y	A	Y	A	B
Screw Diameter		mm	22	25	28	25	28	28	32	36	25	28	28	32	36
Shot Weight	PS	g	35	45	57	51	63	72	94	120	51	63	72	94	120
	PE	g	28	36	45	40	50	57	75	95	40	50	57	75	95
Injection Pressure (Max.)		MPa	284	220	175	276	220	287	220	174	276	220	287	220	174
		kgf/cm^2	2890	2240	1780	2810	2240	2920	2240	1770	2810	2240	2920	2240	1770
Injection Speed	std.	mm/s	200								200				
	High(OP)	mm/s	500								500				
Plasticizing Capacity (PS)		kg/h	22	28	35	25	35	40	61	83	25	35	40	61	83
Clamping Force		kN(tf)	490(50)								735(75)				
Distance Between Tie Rods (H × V)		mm	410 × 360								410 × 360				
Clamp Stroke		mm	300								300				
Open Daylight (Max.)		mm	770(*710)(**750)								770(*710)(**750)				
Machine Dimensions	L	m	4.0			4.0		4.1			4.0		4.1		
	W		1.2			1.2		1.2			1.2		1.2		
	H		1.6			1.6		1.6			1.6		1.6		

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. Values marked with *vary with optional T-slotted mold platen.
4. Values marked with **vary with optional insulating plates (10mm) are attached.
5. The figures of heater capacity are for 220V-60HZ, those enclosed in ( ) are for 200V-50HZ.
6. 1MPa=10.2kgf/㎠, 1kN=0.102tf

Major Specifications

ITEM		UNIT	EC100SX								EC130SX				
Injection Unit Code			i2			i3		i4			i3		i4		
Barrel Code			Y	A	B	Y	A	Y	A	B	Y	A	Y	A	B
Screw Diameter		mm	28	32	36	32	36	36	40	45	32	36	36	40	45
Shot Weight	PS	g	72	94	120	105	134	145	180	230	105	134	145	180	230
	PE	g	57	75	95	83	106	115	145	185	83	106	115	145	185
Injection Pressure (Max.)		MPa	287	220	174	253	200	247	200	158	253	200	247	200	158
		kgf/cm^2	2920	2240	1770	2580	2040	2510	2040	1610	2580	2040	2510	2040	1610
Injection Speed	std.	mm/s	200								200				
	High(OP)	mm/s	500			350					350				
Plasticizing Capacity (PS)		kg/h	40	61	83	61	83	83	110	120	61	83	83	110	120
Clamping Force		kN(tf)	980(100)								1270(130)				
Distance Between Tie Rods (H×V)		mm	460×410								510×460				
Clamp Stroke		mm	350								400				
Open Daylight (Max.)		mm	900(*840)(**880)								950(*890)(**930)				
Machine Dimensions	L	m	4.6			4.6		4.9			4.9		5.1		5.2
	W		1.3			1.3		1.3			1.4		1.4		1.4
	H		1.7			1.7		1.7			1.8		1.8		1.8

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. Values marked with *vary with optional T-slotted mold platen.
4. Values marked with **vary with optional insulating plates (10mm) are attached.
5. The figures of heater capacity are for 220V-60HZ, those enclosed in ( ) are for 200V-50HZ.
6. 1MPa=10.2kgf/㎠, 1kN=0.102tf

Major Specifications

ITEM		UNIT	EC180SX								EC230SX							
Injection Unit Code			i4			i6		i8			i6		i8			i17		
Barrel Code			Y	A	B	Y	A	Y	A	B	Y	A	Y	A	B	Y	A	B
Screw Diameter		mm	36	40	45	40	45	45	50	55	40	45	45	50	55	50	60	70
Shot Weight	PS	g	145	180	230	208	263	292	361	437	208	263	292	361	437	542	780	1062
	PE	g	115	145	185	165	209	232	286	346	165	209	232	286	346	430	619	842
Injection Pressure (Max.)		MPa	247	200	158	253	200	247	200	165	253	200	247	200	165	288	200	147
		kgf/cm^2	2510	2040	1610	2580	2040	2510	2040	1680	2580	2040	2510	2040	1680	2930	2040	1490
Injection Speed	std.	mm/s	200			160					160							
	High(OP)	mm/s	350					300			350		300			300		
Plasticizing Capacity (PS)	std.	kg/h	83	110	120	110	120	120	160	190	110	120	120	160	190	160	230	270
	High Torque	kg/h	–	–	–	–	–	–	–	–	–	–	–	–	–	–	190	–
Clamping Force		kN(tf)	1760(180)								2250(230)							
Distance Between Tie Rods (H × V)		mm	560 × 510								610 × 560							
Clamp Stroke		mm	450								550							
Open Daylight (Max.)		mm	1050(*990)(**1030)								1230(*1170)(**1210)							
Machine Dimensions	L	m	5.7			5.9		6.0			6.2		6.3			6.8		
	W		1.5			1.5		1.5			1.6		1.6			1.8		
	H		1.9			1.9		1.9			2.0		2.0			2.2		

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. Values marked with *vary with optional T-slotted mold platen.
4. Values marked with **vary with optional insulating plates (10mm) are attached.
5. The figures of heater capacity are for 220V-60HZ, those enclosed in ( ) are for 200V-50HZ.
6. 1MPa=10.2kgf/㎠, 1kN=0.102tf

Major Specifications

ITEM		UNIT	EC280SX						EC350SX					
Injection Unit Code			i8			i17			i8			i17		
Barrel Code			Y	A	B	Y	A	B	Y	A	B	Y	A	B
Screw Diameter		mm	45	50	55	50	60	70	45	50	55	50	60	70
Shot Weight	PS	g	292	361	437	542	780	1062	292	361	437	542	780	1062
	PE	g	232	286	346	430	619	842	232	286	346	430	619	842
Injection Pressure (Max.)		MPa	247	200	165	288	200	147	247	200	165	288	200	147
		kgf/cm^2	2510	2040	1680	2930	2040	1490	2510	2040	1680	2930	2040	1490
Injection Speed	std.	mm/s	160						160					
	High(OP)	mm/s	300						300					
Plasticizing Capacity (PS)	std.	kg/h	120	160	190	160	230	270	120	160	190	160	230	270
	High Torque	kg/h	–	–	–	–	190	–	–	–	–	–	190	–
Clamping Force		kN(tf)	2745(280)						3430(350)					
Distance Between Tie Rods (H × V)		mm	730 × 660						810 × 730					
Clamp Stroke		mm	600						650					
Open Daylight (Max.)		mm	1350(**1330)						1420(**1400)					
Machine Dimensions	L	m	6.7			7.0			7.0			7.3		
	W		2.0			2.0			2.1			2.1		
	H		2.1			2.1			2.2			2.2		

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. 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.
3. Values marked with *vary with optional T-slotted mold platen.
4. Values marked with **vary with optional insulating plates (10mm) are attached.
5. The figures of heater capacity are for 220V-60HZ, those enclosed in ( ) are for 200V-50HZ.
6. 1MPa=10.2kgf/㎠, 1kN=0.102tf

Major Specifications

ITEM		UNIT	EC450SX				EC550SX				EC650SX				EC850SX			
Injection Unit Code			i26		i36		i26		i36		i61		i78		i61		i78	
Barrel Code			A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Screw Diameter		mm	70	80	80	90	70	80	80	90	95	105	105	120	95	105	105	120
Shot Weight	PS	g	1230	1610	1730	2190	1230	1610	1730	2190	2900	3540	3980	5200	2900	3540	3980	5200
	PE	g	980	1280	1370	1740	980	1280	1370	1740	2300	2810	3160	4120	2300	2810	3160	4120
Injection Pressure (Max.)		MPa	190	145	190	150	190	145	190	150	180	147	180	138	180	147	180	138
		kgf/cm^2	1930	1470	1930	1530	1930	1470	1930	1530	1830	1500	1830	1400	1830	1500	1830	1400
Injection Speed	std.	mm/s	160		140		160		140		150				150			
Plasticizing Capacity (PS)	std.	kg/h	260	340	340	400	260	340	340	400	420	490	490	580	420	490	490	580
	High Torque	kg/h	170	230	220	280	170	230	220	280	290	370	270	370	290	370	270	370
Clamping Force		kN(tf)	4410(450)				5390(550)				6370(650)				8330(850)			
Distance Between Tie Rods (H×V)		mm	870×810				960×900				1060×960				1320×1320			
Clamp Stroke		mm	800				900				1000				1200			
Open Daylight (Max.)		mm	1600(*1580)				1700(*1680)				2050(*2030)				2300(*2280)			
Machine Dimensions	L	m	8.0		8.3	8.5	8.3		8.6	8.8	9.8		10.1	10.4	10.6			10.9
	W	m	2.2		2.3	2.3	2.3		2.4	2.4	2.6		2.6	2.6	2.9			2.9
	H	m	2.3		2.3	2.3	2.3		2.3	2.3	2.7		2.7	2.7	2.7			2.7

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. In case of max clamping force. Use the mold whose min. size is 500×500mm for EC450SX, and 565×535mm for EC550SX.
   Don't set the mold smaller than above size.
3. Shot weight, injections rate and plasticizing capacity are dependent upon molding conditions and resin used.
4. 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.
5. Values marked with *vary with optional insulating plates (10mm) are attached.
6. The figures of heater capacity are for 220V-60HZ, those enclosed in ( ) are for 200V-50HZ.
7. 1MPa=10.2kgf/㎠, 1kN=0.102tf

Major Specifications

ITEM		UNIT	EC1000SX				EC1300SX	
Injection Unit Code			i61		i78		i120	
Barrel Code			A	B	A	B	A	B
Screw Diameter		mm	95	105	105	120	115	125
Shot Weight	PS	g	2900	3540	3980	5200	6040	7130
	PE	g	2300	2810	3160	4120	4790	5660
Injection Pressure (Max.)		MPa	180	147	180	138	180	152
		kgf/cm^2	1830	1500	1830	1400	1830	1550
Injection Speed	std.	mm/s	150		150		140	
Plasticizing Capacity (PS)	std.	kg/h	420	490	490	580	520	580
	High Torque	kg/h	290	370	270	370	370	440
Clamping Force		kN(tf)	9800(1000)				12700(1300)	
Distance Between Tie Rods (H×V)		mm	1300×1300				1400×1400	
Clamp Stroke		mm	1200				1500	
Open Daylight (Max.)		mm	2300(*2280)				2800(*2780)	
Machine Dimensions	L	m	10.8		10.6	10.9	12.8	
	W		2.9		2.9	2.9	3.2	
	H		2.7		2.8	2.8	3.2	

Note)

1. Due to continuous improvements, specifications are subject to change without notice.
2. In case of max clamping force. Use the mold whose min. size is 880×880mm for EC1000SX, and 820×820mm for EC1300SX.
   Don't set the mold smaller than above size.
3. Shot weight, injections rate and plasticizing capacity are dependent upon molding conditions and resin used.
4. 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.
5. Values marked with *vary with optional insulating plates (10mm) are attached.
6. The figures of heater capacity are for 220V-60HZ, those enclosed in ( ) are for 200V-50HZ.
7. 1MPa=10.2kgf/㎠, 1kN=0.102tf