Mechanical specifications

Item			Unit	Data						
Clamping unit	Clamping mechanism		---	Double toggle						
	Tonnage		kN	2200 (220tonf)						
	Maximum and minimum die height		mm	Single platen 650 - 250 / Extended die height 750 - 250 [Option]						
	Clamping stroke		mm	550						
	Locating ring diameter		mm	φ100						
	Tie bar spacing (H×V)		mm	650 × 650						
	Platen size (H×V)		mm	900 × 900						
	Minimum mold size (H×V)	*1	mm	375 × 375						
	Maximum mold weight (Moving-Stationary)	*2	kg	Single platen 1500 - 1500						
	Ejector stroke		mm	150						
	Maximum ejector force		kN	Standard 35 (3.5tonf) / Increased 80 (8tonf) [Option]						
Injection unit	Screw diameter		mm	32	36	40	44	48	52 *12	56 *12
	Injection stroke		mm	150	150	150	176	176	208	208
	Maximum injection volume	*3	cm³	121	153	188	268	318	442	512
	Inj.speed 200mm/s	Max. inj. prs.(W/C) *4 *7	MPa	310	310	260	220	190	160	---
		Max. inj. prs.(General Purpose) *4 *8	MPa	280	280	260	220	190	160	---
		Maximum injection rate *5	cm³/s	160	203	251	304	361	424	---
		Maximum injection speed *5	mm/s	200						---
		Maximum screw rotation speed	min⁻¹	300						---
	Inj.speed 270mm/s (High duty)	Max. inj. prs.(High prs.mode) *4 *6	MPa	380	345	320	280	---	---	---
		Max. inj. prs.(W/C) *4 *7	MPa	310	310	280	260	230	200	172
		Max. inj. prs.(General Purpose) *4 *8	MPa	280	280	280	260	230	200	172
		Maximum injection rate *5	cm³/s	217	274	339	410	488	573	665
		Maximum injection speed *5	mm/s	270						
		Maximum screw rotation speed	min⁻¹	400						
	Inj.speed 350mm/s	Max. inj. prs.(High prs.mode) *4 *6	MPa	380	345	---	---	---	---	---
		Max. inj. prs.(W/C) *4 *7	MPa	310	310	280	240	190	160	140
		Max. inj. prs.(General Purpose) *4 *8	MPa	280	280	260	220	190	160	140
		Maximum injection rate *5	cm³/s	281	356	439	532	633	743	862
		Maximum injection speed *5	mm/s	350						
		Maximum screw rotation speed	min⁻¹	400						
	Nozzle touch force / Increased	*9	kN	30 (3tonf) / 50 (5tonf) [Option]						
	Screw & Barrel	Number of pyrometers	Barrel	3						4
			Nozzle	1						
		Total heater wattage	kW	12.0	13.0	14.9	15.9	17.9	20.2	23.5
Machine Weight *10			t	Inj.speed 200mm/s Approx. 8.7 Inj.speed 270mm/s (High duty) Approx. 8.85 Inj.speed 350mm/s Approx. 8.85						

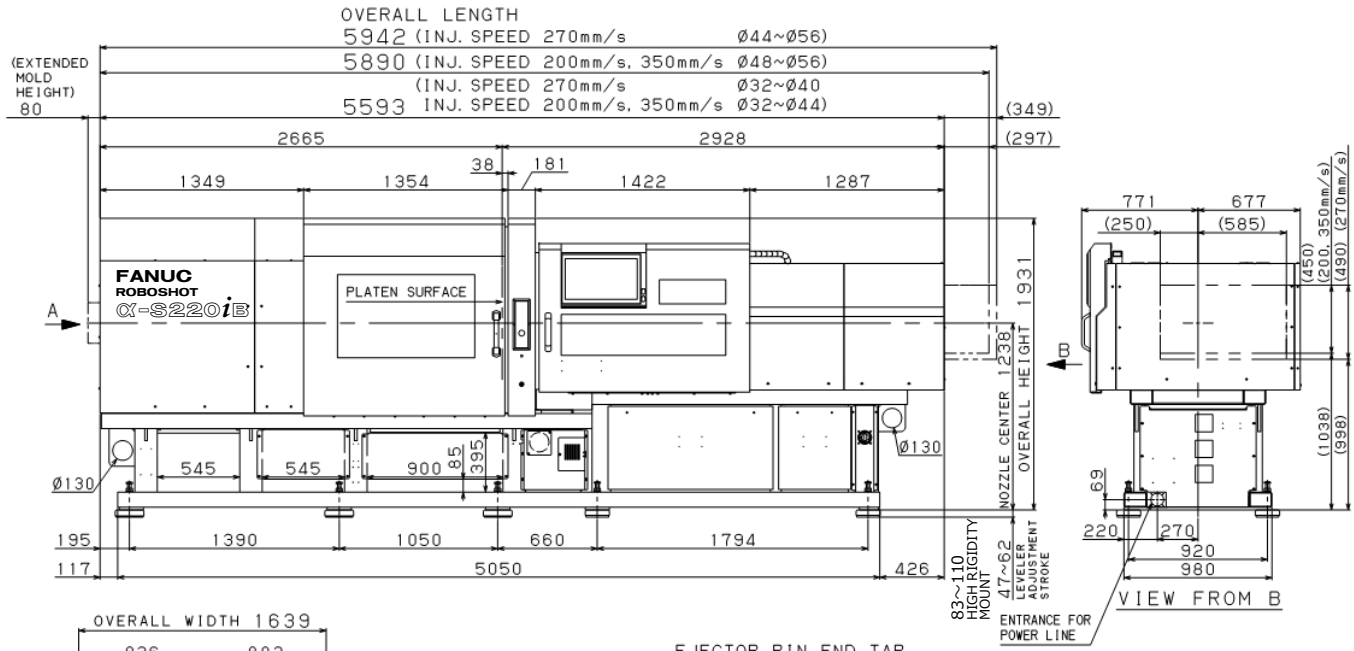
*1 Smaller mold than this size may limit clamp force.
*2 If the weight of a mold exceeds maximum mold weight, the molding condition may be limited.
*3 The maximum injection volume is a calculated value. (Cross-sectional area x injection stroke)
*4 Maximum pack pressure is equal to maximum injection pressure. Maximum injection pressure and maximum pack pressure are the output of the injection unit, not the resin pressure. Maximum injection pressure and maximum pack pressure are the maximum values that can be set.
*5 Maximum injection rate and maximum injection speed is a theoretical value. Maximum injection rate and maximum injection speed can not be guaranteed when the injection pressure is maximum.
*6 The maximum injection pressure setting at high pressure filling mode option.There is a limitation in injection time setting and pack time setting, when high pressure filling mode option is selected.
*7 Maximum injection pressure(W/C) are the values when the wear-resistant and anti-corrosion Barrel etc. is installed. Maximum injection pressure and maximum pack pressure may vary depends on the installed screw and Barrel specifications.
*8 Maximum injection pressure (General Purpose) are the values when the general purpose Barrel etc. is installed. Maximum injection pressure and maximum pack pressure may vary depends on the installed screw and Barrel specifications.
*9 Sprue break cannot be used with increased nozzle touch force option.
*10 The machine weight is the value when the option is not installed. Total weight may vary depending on equipment.
*11 The pressure conversion is 1MPa=10kgf/cm².
*12 The molding condition might be limited by the resin.(Contact sales for detail)
*13 In case of the replacement to different screw diameter after shipment, some covers may be needed to replace. (Contact sales for detail)

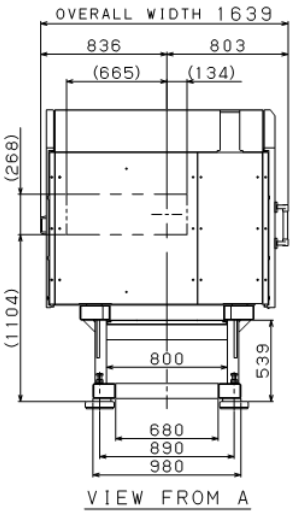
Installation conditions

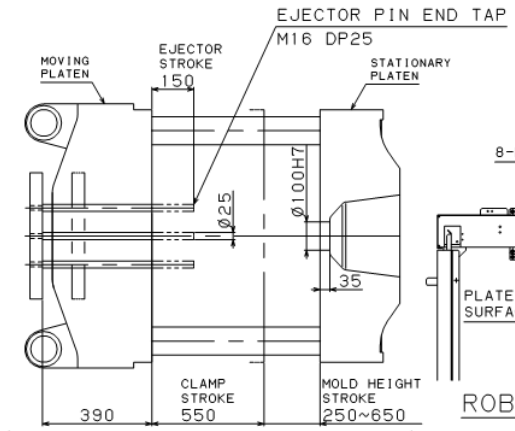
Item		Data
Input power source		3-phase AC200V±10% 50/60Hz±1Hz 3-phase AC220V±10% 60Hz±1Hz
Main breaker *14	Inj.speed 200mm/s	175A (With peripheral devices) *15 75A (With no peripheral device) *15
	Inj.speed 270mm/s (High duty)	225A (With peripheral devices) *15 125A (With no peripheral device) *15
	Inj.speed 350mm/s	225A (With peripheral devices) *15 125A (With no peripheral device) *15
Ground		Follow relevant laws and standards of the country where the machine is installed when performing grounding.
Installing environment	Temperature	0～40℃ (20～25℃ recommended)
	Humidity	Below 75% (Below 95% under short term operation)
	Vibration	Below 0.5G
	Atmosphere	Take care of corrosive gas.

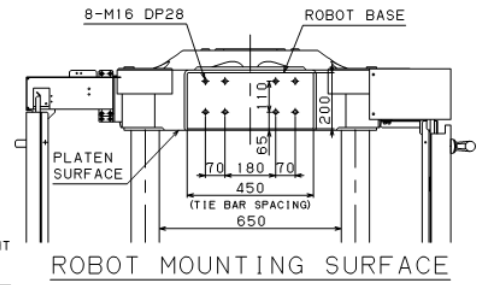
*14 Connect power cable to the machine's main breaker directly. The breaker is ground fault type with 100mA of sensitivity.
*15 With peripheral devices : When the molding machine equiped "External outlet", "Mold heater controller" or "Integrated hotrunner controller". ("Mold heater controller" and "Intefrated hotrunner controller" cannot be selected simultaneously.)
With no peripheral device : When only the molding machine is used.
*16 Please contact sales for details about the value of sound generated in this machine.

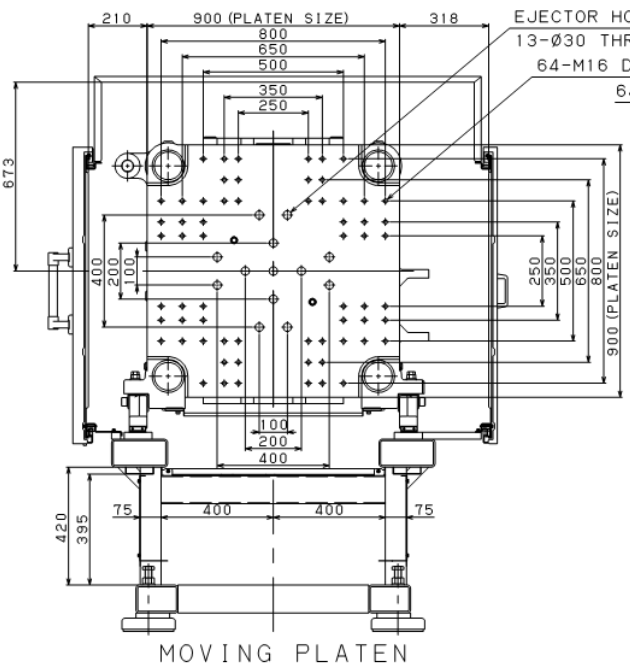
All specifications are subject to change without notice.

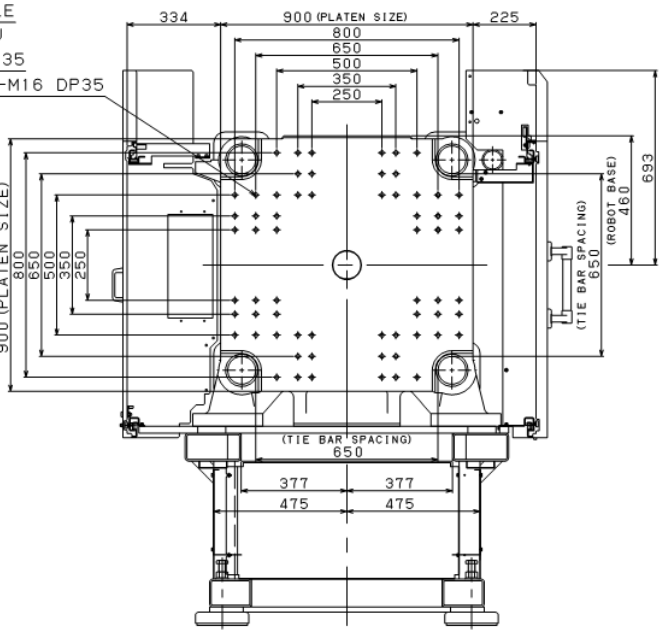

OVERALL LENGTH
5942 (INJ. SPEED 270mm/s Ø44~Ø56)
5890 (INJ. SPEED 200mm/s, 350mm/s Ø48~Ø56)
(INJ. SPEED 270mm/s Ø32~Ø40
5593 INJ. SPEED 200mm/s, 350mm/s Ø32~Ø44)
(EXTENDED MOLD HEIGHT) 80
(349)
(297)
2665
2928
38
181
1349
1354
1422
1287
FANUC
ROBOSHOT
α-S220iB
PLATEN SURFACE
A
B
1931
OVERALL HEIGHT
1238
NOZZLE CENTER
Ø130
545
545
900
85
395
195
1390
1050
660
1794
117
5050
426
83~110
HIGH RIGIDITY MOUNT
47~62
LEVELER ADJUSTMENT STROKE
ENTRANCE FOR POWER LINE
771
677
(250)
(585)
(450)
(200, 350mm/s)
(490) (270mm/s)
(1038)
(998)
69
220
270
920
980
VIEW FROM B


OVERALL WIDTH 1639
836
803
(665)
(134)
(268)
(1104)
800
539
680
890
980
VIEW FROM A


EJECTOR PIN END TAP
M16 DP25
MOVING PLATEN
EJECTOR STROKE
150
STATIONARY PLATEN
Ø25
Ø100H7
35
CLAMP STROKE
390
550
MOLD HEIGHT STROKE
250~650
(STANDARD ACCESSORY 4-EJECTOR PINS)


8-M16 DP28
ROBOT BASE
110
200
65
PLATEN SURFACE
70
180
70
450
(TIE BAR SPACING)
650
ROBOT MOUNTING SURFACE


210
900 (PLATEN SIZE)
318
800
650
500
350
250
EJECTOR HOLE
13-Ø30 THRU
64-M16 DP35
673
400
200
100
900 (PLATEN SIZE)
100
200
400
420
395
75
400
400
75
MOVING PLATEN


334
900 (PLATEN SIZE)
225
800
650
500
350
250
64-M16 DP35
900 (PLATEN SIZE)
693
460
(ROBOT BASE)
650
(TIE BAR SPACING)
(TIE BAR SPACING)
650
377
377
475
475
STATIONARY PLATEN