

2A-1		Machinery Function Data			
<p>Note 1. Value below shows the value of 60 Hz area. Figure inside the bracket [] shows value for 50 Hz zone.</p> <p>Note 2. Injection capacity is a max. value after taking injection rate and specific gravity of molten resin into account.</p> <p>Note 3. Value for plasticizing capacity is obtained under standard test condition at JSW.</p> <p>Note 4. As for screw cylinder, we will deliver the one you designate among those screw marks listed below.</p>					
		J385E-C5-D			
		A	B	C	
Injection unit	Screw code				
	Screw diameter	mm (inch)	66 (2.60)	72 (2.83)	86 (3.39)
	Injection pressure (Max.)	kg/cm ² (psi)	1820 (25886)	1530 (21761)	1070 (15219)
	Injection capacity (Theoretical)	cm ³ (inch ³)	890 (54.27)	1060 (64.63)	1510 (92.07)
	Injection capacity (GP-PS)	g (oz)	810 (28.6)	965 (34.1)	1374 (48.5)
	Injection rate	cm ³ /sec (inch ³ /sec)	342 [285] (20.9 [17])	407 [339] (24.8 [21])	581 [484] (35.4 [30])
	Plasticizing capacity (GP-PS)	kg/Hr (lb/Hr)	226 [188] (498 [414])	270 [225] (595 [496])	340 [283] (749 [624])
	Screw speeds (rpm)	High torque (Max.)	155 [129]		
		Low torque (Max.)	200 [167]		
	Nozzle shape·Max. forward position		SV0φ4 (0.2) x R12.7 (1/2), Max. forward position 50 (2)		
Nozzle touch force		7.5 (8.25)			
Clamp unit	Clamping force/Mold opening force		350 / 35 (U.S. ton) (385 / 38.5)		
	Maximum daylight opening		1370 (53.94)		
	Opening stroke (Max.)		700 (27.56)		
	Mold height		320 - 670 (12.60 - 26.38)		
	Distance between tie-bars (H x V)		730 x 730 (28.74 x 28.74)		
	Platen side (H x V)		1035 x 1035 (40.75 x 40.75)		
	Locate ring diameter		φ101.6 (4)		

Item		J385E-C5·D	
Clamp unit	Mold closing/opening speed m/min (ft/min)	Mold close 52 [43] (171 [141]) Mold open 45 [38] (148 [125])	
	Ejector force/stroke ton x mm (U.S. ton x inch)	11 x 150 (12.1 x 5.91)	
	Minimum mold size (H x V) mm (inch)	420 x 420 (16.54 x 16.54)	
Electric devices	Power source voltage (V x Hz)	AC 240/480 x 60 Hz, 3 phases 3 lines	
	Controlling voltage (V)	DC24·AC100	
	Capacity for pump driving motor (kW)	45	
	Heater wattage (kW)	23.7	
	Capacity for mold height adjusting motor (kW)	[1.5]	
	—————	—————	
	Total power capacity (kW)	69.7 (Does not include those of special attachment.)	
Other specifications	Machine weight ton (U.S. ton)	17.5 (19.3)	
	Machine dimension m (ft)	C3·D/7.68 x 1.69 x 2.35 C5/7.68 x 1.73 x 2.35 (C3·D/25.2 x 5.5 x 7.7 C5/25.2 x 5.7 x 7.7)	
	Hyd. oil reservoir capacity liter (gal)	650 (169)	
	Cooling water consumption m ³ /hr (ft ³ /hr)	2.9 (102.4) (Cooling water for oil-cooler, cylinder hopper)	
	Painted color	Main body, upper side of bed	Light gray like Munsell 5Y 8/0.6
		Side face of bed	Gray like Munsell 2.5G 6/0.5
Safety door, lower side of bed, cylinder flange		Deep gray like Munsell 10B 3/0.3	

Note 5. Variation of power source voltage has to be controlled within the range of $\pm 6\%$.

Note 6. Cooling water consumption value will vary according to ambient temperature, water temperature and mold condition. The figure shows approximate value with water temperature at 25°C (77° F). (However, it does not include water consumption for cooling mold.)

Connection piping should be made so as to allow flow volume of three times of indicated value considering deposit and lowering of water pressure.

Note 7. Ejector screw revolution cannot be made while platen open/close time.