

Specifications

Model		Vs-50			Vs-80			Vs-100			Vs-130			Vs-180			Vs-250		
INJECTION UNIT																			
Calculated Injec. Capacity	in ³	3.00	4.60	6.22	6.34	8.05	9.94	7.07	8.96	11.10	10.98	12.20	16.16	20.24	23.90	28.96	34.76	41.34	53.11
Actual Shot Weight - P.S.	oz	2.05	2.68	3.42	3.49	4.41	5.47	3.88	4.90	6.10	6.03	6.70	8.82	11.11	13.12	15.90	19.08	22.71	29.16
Plastizing Capacity	lbs/hr	88	119	150	110	141	165	110	141	165	170	189	253	244	339	420	365	436	554
Injection Pressure Max.	psi	34139	29777	22674	34139	29758	24097	34139	29758	24097	30989	27980	21152	32006	27084	22390	29374	24680	19218
Injection Rate	in ³ /sec	5.43	7.08	8.97	6.65	8.42	10.38	6.65	8.42	10.38	8.06	8.97	11.97	9.28	11.05	13.25	17.28	20.51	26.37
Screw Diameter	in	1.10	1.26	1.42	1.26	1.42	1.57	1.26	1.42	1.57	1.50	1.57	1.81	1.81	1.97	2.17	2.17	2.36	2.68
Screw L/D Ratio		22	20.5	18	22	20.5	18	22	20.5	18	22	20.5	18	22	20	18	22	20	18
Screw Speed	rpm	116			262			262			307			204			191		
Injection Speed	in/sec	5.71			4.92			4.92			5.43			3.58			4.29		
Suck Back Force	U.S. ton	2.2			1.87			1.87			5.5			5.5			9.24		
Screw Stroke	in	3.94			5.12			5.71			6.30			7.87			9.45		
Screw Motor Torque	lb-in	5989			8679			8679			8245			13886			18226		
Nozzle Stroke	in	9.65			10.24			11.81			13.39			14.96			17.72		
Nozzle Contact Force	U.S. ton	5.5			5.5			5.5			5.5			5.5			8.7		
Temp. Control Zones	no.	4			4			4			4			4			4		
Total Heating Wattage	kW	5.5			6.15			6.15			7.08			11.1			15.5		
Hopper Capacity	lbs	110			110			110			110			110			220		
CLAMPING UNIT																			
Clamping Force	U.S. ton	55			88			110			143			198			275		
Clamping System	type	Toggle			Toggle			Toggle			Toggle			Toggle			Toggle		
Max. Clamp Stroke	in	10.63			12.60			14.17			15.75			18.50			22.83		
Max. Open Daylight	in	23.23			26.38			31.10			33.46			39.19			44.40		
Mold Close Speed	in/sec	28.03			18.50			13.90			15.71			14.02			17.52		
Mold Open Speed	in/sec	43.31			26.18			21.65			30.08			27.83			32.83		
Locating Ring	in	3.93/4.92			3.93/4.92			3.93/4.92			3.93/4.92			3.93/4.92			5.9/6.3		
Min/Max Mold Thickness	in	5.9-12.6			5.9-13.77			5.9-16.93			5.9-17.72			7.87-19.69			9.84-21.65		
Platen Dimensions (HxV)	in	17.50x17.50			20.07x20.07			22.83x22.83			24.8x24.8			28.35x28.35			32.28x32.28		
Tie-Bar Distance (HxV)	in	12.2x12.2			14.17x14.17			16.14x16.14			18.11x18.11			20.08x20.08			24.02x24.02		
Tie-Bar Diameter	in	1.97			2.36			2.56			2.76			3.35			3.94		
Ejector Stroke	in	2.36			3.15			3.15			3.15			3.94			4.72		
Ejector Force	U.S. ton	3.63			4.5			4.5			4.5			6.16			9.35		
Ejector Retraction Force	U.S. ton	1.87			2.1			2.1			2.1			3.2			4		
GENERAL																			
Pump Motor Power	kW	15			18.5			10.5			22			22			37		
Pump Output Volume	gal/min	20.87			26.7			26.7			31.7			31.7			53.1		
Cooling Water Regulator	gal/min	7.9			7.9			7.9			7.9			7.9			13.2		
Oil Tank Capacity	gal	53			58			58			87			87			119		
Hydraulic Sys. Pressure	psi	2465			2465			2465			2465			2465			2465		
Machine Weight	lbs	5940			8580			10560			11880			13640			21120		
Machine Dimensions	in	146x40x75			153x42x75			165x43x76			185x46x80			213x48x81			270x59x87		

*Specifications, technical information and dimensions are subject to change without prior notice.