

MX Krauss-Maffei KM 1600- 8100 -2000-2000-3000-MX HHL

Clamp Unit	U.S. Standard		Metric	
Clamping force	US tons	1798	16000	kN
Mold opening force	US tons	126	1120	kN
Platen dimensions (horizontal x vertical)	in	100.47 x 82.74	2550 x 2100	mm
Distance between bars (horizontal x vertical)	in	73.68 x 55.95	1870 x 1420	mm
Mold opening stroke	in	106.38	2700	mm
Minimum mold height (TT thickness considered)	in	20.88	530	mm
Maximum mold height (TT thickness considered)	in	74.07	1880	mm
Max. daylight (TT thickness considered)	in	127.26	3230	mm
Thickness turntable	in	6.70	170	mm
Hydraulic ejector stroke	in	13.79	350	mm



INJECTION UNIT (MAIN/CENTER INJECTION UNIT)		U.S. Standard		Metric	
Screw		A		A	
Screw diameter	in	3.740		95	mm
L/D Ratio		23.0		23.0	
Injection pressure (Melt)	psi	33,359		2,300	bar
Stroke / Diameter ratio					
Stroke volume	cu.in.	226.98		3,721	cu.cm
Shot weight, PE	oz.	93.19		2642.0	g
Shot weight, PS	oz.	119.45		3386.2	g
Injection rate	cu in/sec	40.20		659	cu.cm/sec
Injection Rate uprated w/ accumulator	cu in/sec	86.50		1,418	cu cm/sec
Plasticizing Rate Screw speed nominal, PE	oz./sec	3.07		87.0	g/sec
Screw speed stage max, PE	oz./sec	3.81		108.0	g/sec
Screw speed stage 1/ stage 2	rpm	121/153		121/153	rpm
Nozzle Pressure	US tons	18.70		166.0	kN

GENERAL MACHINE		U.S. Standard		Metric	
Dry cycle time	sec	8.5		8.5	sec
Dry cycle number	sec	425.00		425.00	sec
Nominal capacity of pump motor	kW	110.00		110.00	kW
Barrel Zones including nozzle		7		7	
Oil capacity	US gal	396.00		1500	ltr.
Net weight including control cabinet	lb	255,736		116.0	t
Maximum Mold Weight	lb	136,687		62000	kg
Installation dimension (l x w x h)	in	531x173x135			m

SP2000 (PARALLEL INJECTION UNITS)		U.S. Standard		Metric	
Screw		A	B	A	B
Screw diameter	in	2.364	2.758	60	70
L/D Ratio		23.3	20.0	23.3	20.0
Injection pressure (Melt)	psi	35,090	29,000	2,420	2,000
Stroke / Diameter ratio					
Stroke volume	cu.in.	48.31	65.76	792	1,078
Shot weight	oz.	25.40	34.57	720.0	980.0
Injection rate	cu in/sec	22.45	30.50	368	500
Injection Rate uprated w/ accumulator	cu in/sec	51.73	70.39	848	1,154
Plasticizing Rate Screw speed stage 1	oz./sec	2.55	3.47	72.2	98.3
Screw speed stage 2	oz./sec	3.13	4.26	88.7	120.7
Screw speed stage 1/ stage 2	rpm	285 / 350		285 / 350	
Nozzle Pressure	US tons	9.3		82.4	

SP3000 (SIDE INJECTION UNIT)		U.S. Standard		Metric	
Screw		A		A	
Screw diameter	in	h 2.758		70	
L/D Ratio		22.9		22.9	
Injection pressure (Melt)	psi	34,641		2,389	
Stroke / Diameter ratio					
Stroke volume	cu.in.	75.15		1,232	
Shot weight	oz.	39.54		1121.0	
Injection rate	cu in/sec	22.33		366	
Injection Rate uprated w/ accumulator	cu in/sec	70.46		1,155	
Plasticizing Rate Screw speed stage 1	oz./sec	2.96		83.8	
Screw speed stage 2	oz./sec	3.83		108.6	
Screw speed stage 1/ stage 2	rpm	220 / 285		220 / 285	
Nozzle Pressure	US tons	14.5		129.4	