

THREE SHOT (3K) PRESS SPECIFICATIONS - AVAILABLE SEPT. 2018

MX

Krauss-Maffei KM 1600- 8100 -3000-380-MX ZL

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 (thickness TT is considered)	in	32.31	820	mm
Maximum mold height (thickness TT is considered)	in	67.77	1720	mm
Max. daylight (thickness TT is considered)	in	138.69	3520	mm
Thickness turntable	in	7.09	180	mm
Hydraulic ejector stroke	in	13.79	350	mm



SP12000 (MAIN / CENTER INJECTION UNIT)				
	U.S. Standard		Metric	
Screw		A	A	
Screw diameter	in	4.134	105	mm
L/D Ratio		23.0	23.0	
Injection pressure (Melt)	psi	33,301	2,296	bar
Stroke / Diameter ratio				
Stroke volume	cu.in.	316.90	5,195	cu.cm
Shot weight, PE	oz.	130.13	3689.0	g
Shot weight, PS	oz.	166.78	4728.2	g
Injection rate	cu in/sec	52.22	856	cu.cm/sec
Injection Rate uprated w/ accumulator	cu in/sec	79.24	1,299	cu cm/sec
Plasticizing Rate Screw speed nominal, PE	oz./sec	3.39	96.0	g/sec
Screw speed stage max, PE	oz./sec	4.73	134.0	g/sec
Screw speed stage 1/ stage 2	rpm	103/145	103/145	rpm
Nozzle Pressure	US tons	18.7	166.0	kN

OR

SP6100 (MAIN / CENTER INJECTION UNIT)				
	U.S. Standard		Metric	
		A	A	
	in	3.346	85	mm
		23.0	23.0	
	psi	32,518	2,242	bar
	cu.in.	164.40	2,695	cu.cm
	oz.	67.51	1914.0	g
	oz.	86.53	2453.2	g
	cu in/sec	33.73	553	cu.cm/sec
	cu in/sec	69.24	1,135	cu cm/sec
	g/sec	2.12	60.0	g/sec
	oz./sec	2.79	79.0	g/sec
	rpm	112/148	112/148	rpm
	US tons	18.7	166.0	kN

SP3000 (PIGGYBACK INJECTION UNIT)				
	U.S. Standard		Metric	
Screw		A	A	
Screw diameter	in	h 2.758	70	mm
L/D Ratio		22.9	22.9	
Injection pressure (Melt)	psi	34,641	2,389	bar
Stroke / Diameter ratio				
Stroke volume	cu.in.	75.15	1,232	cu.cm
Shot weight	oz.	39.54	1121.0	g
Injection rate	cu in/sec	22.33	366	cu.cm/sec
Injection Rate uprated w/ accumulator	cu in/sec	70.46	1,155	cu cm/sec
Plasticizing Rate Screw speed stage 1	oz./sec	2.96	83.8	g/sec
Screw speed stage 2	oz./sec	3.83	108.6	g/sec
Screw speed stage 1/ stage 2	rpm	220/285	220/285	rpm
Nozzle Pressure	US tons	18.7	129.4	kN

SP380 (NON OPER. SIDE INJ. UNIT)				
	U.S. Standard		Metric	
		D	D	
	in	1.773	45	mm
		17.8	17.8	
	psi	21,301	1,469	bar
	cu.in.	15.49	254	cu.cm
	oz.	8.15	231.0	g
	cu in/sec	9.70	159	cu.cm/sec
	cu in/sec	29.10	477	cu cm/sec
	oz./sec	0.97	27.6	g/sec
	oz./sec	1.24	35.2	g/sec
	rpm	295/375	295/375	rpm
	US tons	5.6	50.0	kN