

CX

Krauss-Maffei KM 300- 1400 CX

Clamp Unit	U.S. Standard			Metric				
Clamping force	US tons	337		3000		kN		
Mold opening force	US tons	19		169.3		kN		
Travel force movable platen								
Opening	US tons	9.7		86.3		kN		
Closing	US tons	7.6		67.8		kN		
Platen dimensions (horizontal x vertical)	in	39.20	x	41.37	995	x	1050	mm
Platen dimensions (Extended Horizontal)	in	42.36	x	41.37	1075	x	1050	mm
Platen dimensions (Wide Platen Option)	in	46.30	x	44.92	1175	x	1140	mm
Distance between bars (horizontal x vertical)	in	24.82	x	24.82	630	x	630	mm
Distance between bars (Extended Horizontal)	in	27.97	x	24.82	710	x	630	mm
Distance between bars (Wide Platen Option)	in	31.91	x	28.37	810	x	720	mm
Mold opening stroke	in	32.31		820		mm		
Minimum mold height	in	13.00		330		mm		
Minimum mold height (Extended)	in	18.91		480		mm		
Max. daylight	in	45.31		1150		mm		
Max daylight (Extended)	in	51.22		1300		mm		
Hydraulic ejector stroke	in	7.88		200		mm		
Hydraulic ejector force forward/backward	US tons	6.5	/	3.2	57.7	/	28.3	kN



	Injection Unit	U.S. Standard			Metric						
		A	B	C	A	B	C				
Screw											
Screw diameter	in	2.167	2.364	2.758	55	60	70	mm			
L/D Ratio		21.8	20.0	17.1	21.8	20.0	17.1				
Injection pressure (Melt)	psi	34,626	29,102	21,373	2,388	2,007	1,474	bar			
Stroke / Diameter ratio											
Stroke volume	cu.in.	34.77	41.42	56.30	570	679	923	cu.cm			
Shot weight	oz.	18.31	21.76	29.63	519.0	617.0	840.0	g			
Injection rate	cu in/sec	15.92	18.97	25.80	261	311	423	cu.cm/sec			
Injection Rate uprated w/ accumulator	cu in/sec	43.49	51.73	70.46	713	848	1,155	cu cm/sec			
Plasticizing Rate Screw speed stage 1	oz./sec	1.74	2.07	2.82	49.3	58.7	79.9	g/sec			
Screw speed stage 2	oz./sec	2.48	2.95	4.01	70.2	83.5	113.6	g/sec			
Screw speed stage 1/ stage 2	rpm	260 370			260 / 370			rpm			
Nozzle Pressure	US tons	9.3			82.4			kN			
		U.S. Standard			Metric						
Dry cycle time	sec	2.7			2.7			sec			
Nominal capacity of pump motor	hp	60.30			45.00			kW			
Installed heating capacity	kW	22.70			22.70			kW			
Barrel Zones including nozzle		6			6						
Oil capacity	US gal	190.08			720			ltr.			
Net weight including control cabinet	lb	31,967			14.5			t			
Maximum Mold Weight	lb	7,562			3430			kg			
Installation dimension (l x w x h)	in	240	x	87	91	6.1	x	2.2	x	2.3	m