

Injection moulding machine		KM65 C2 / KM80 C2					
<b>Clamping Unit</b>							
Clamping force	kN <sup>1)</sup>	650/800					
Mould opening force	kN	55					
Force of the movable mould platen							
opening	kN	31					
closing	kN	20					
Size of the mould platen (hvx)	mm	610x610					
Space between tie bars (hvx)	mm	405x405					
Mould opening stroke	mm	500					
Mould height	mm	250					
Daylight	mm	750					
Hydraulic ejector							
stroke	mm	22/11					
force forward/back	kN						
<b>Injection Unit</b>							
Working capacity <sup>2)</sup>		SP160			SP220		
		160			220		
Screw diameter	mm	25	30	35	30	35	40
L/D ratio		26	23	20	23	20	18
Injection pressure	bar	2500	2025	1488	2500	1837	1406
Stroke/D ratio		4,2	3,5	3,0	4,0	3,4	3,0
Stroke volume	cm <sup>3</sup>	52	74	101	85	115	151
Shot weight in PS	g	47	68	92	77	105	137
Injection rate							
standard	cm <sup>3</sup> /s	83	120	164	97	132	172
increased <sup>4)</sup>	cm <sup>3</sup> /s	147	212	289	212	289	377
Screw drive capacity	kW	14			13		
Screw speed standard/ZE	1/min	479/605			378/479		
Plasticising rate <sup>3)</sup> for PS at max. screw speed							
standard	g/s	11	16	22	14	19	25
ZE	g/s	14	20	28	18	25	32
Nozzle contact force	kN	67			67		
<b>Electric Hydraulic Equipment</b>							
Nominal capacity of the pumpmotor	kW	15			15		
Installed heating capacity	kW	9			9		
Heating zones on the barrel		5			5		
Dry cycles (according Euromap 6)	1/h	1800			1800		
Oil filling	ca. l	170			170		
Accumulator HK50							
Accumulator volume <sup>4)</sup>	l						
Gas preload-pressure (Nitrogen)	bar	125			125		
Electrical screw drive (ZE)							
Screw drive capacity <sup>5)</sup>	kW						
Screw speed nom./max.	1/min						
Plasticising rate <sup>3)</sup> for PS at							
Screw speed, nom.	g/s						
Screw speed, max.	g/s						
<b>Dimensions and weights</b>							
Net weight including control cabinet	ca. t	3			3		
Installation dimension (lxwxh)	m	3,81x1,40x2,00			3,81x1,40x2,00		

### Electric Supplies

Operating voltage 400 V, 50 Hz, 3 Ph. and neutral

Control voltage 230 V, 50 Hz, 1 Ph.

Heating voltage 400 V, 50 Hz, 1 Ph. and neutral

<sup>1)</sup> 1kN = 0,1 Mp

<sup>2)</sup> International type-size designation -  
max. stroke volume cm<sup>3</sup> x max. injection pressure (bar) divided by 1000.

<sup>3)</sup> Determined according to Euromap 5 from weight of injection moulded part divided by plasticising time. Plasticising rate relates to the max. rpm of the KM standard screw.

<sup>4)</sup> C2 with accumulator, extra device (ZE)

<sup>5)</sup> Up-rated screw drive capacity on request