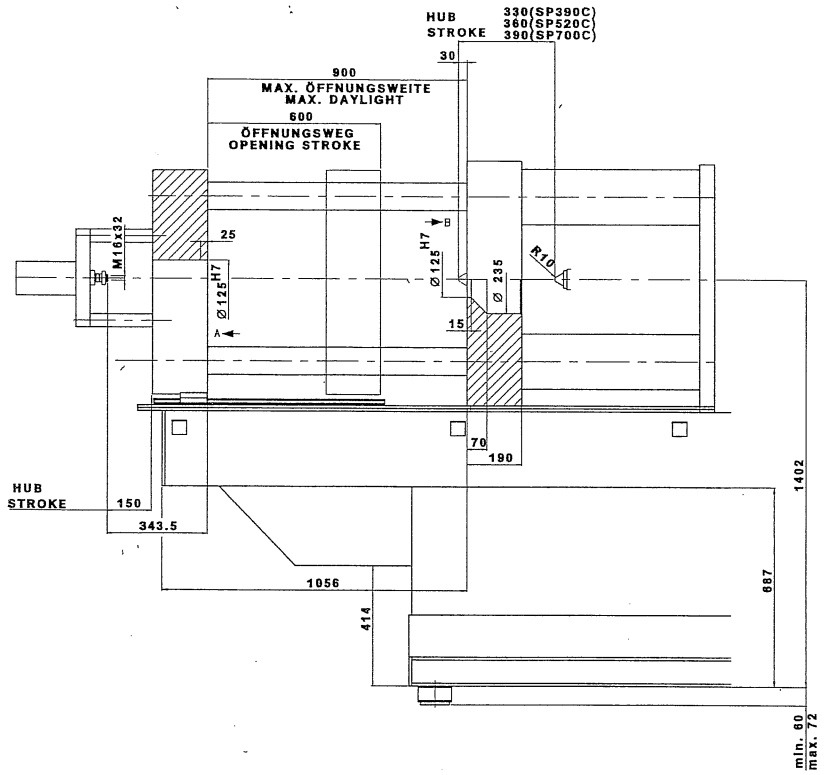
Injection molding machine		KM110/125 C								
Clamping unit										
Clamping force	kN	1100/1250								
Mold opening force	kN	70								
Force of the movable mold platen opening/closing	kN	35/28								
Size of the mold platen (hxv)	mm	745x770								
Clearance between tie bars (hxv)	mm	470x470								
Mold opening stroke	mm	600								
Mold height min.	mm	300								
Maximum daylight	mm	900								
Hydraulic ejector stroke	mm	150								
Hydraulic ejector force forward/back	kN	22/10								
Injection unit		**SP390** MHUK			**SP520**			**SP700**		
Working capacity [1]		390			520			700		
Screw diameter	mm	35	40	45	40	45	50	45	50	55
L_s/D ratio		23	20	18	23	20	18	22	20	18
Injection pressure	bar	2429	1860	1469	2377	1878	1521	2336	1892	1564
Stroke volume	cm^3	156	204	258	217	275	340	305	377	466
Shot weight in PS	g	142	185	234	198	250	309	278	343	415
Injection rate	cm^3/s	123	161	204	126	159	196	146	181	219
Screw speed Standard / ZE	1/min	391/489			307/391			255/356		
as of SP4350 Stage 1 / Stage 2	1/min									
Plasticising rate [2] at screw speed										
Standard / Stage 1 PS	g/s	22	29	36	25	31	39	27	34	41
ZE / Stage 2 PS	g/s	28	36	46	31	40	49	39	49	59
Nozzle contact force	kN	84			84			84		
Electric hydraulic equipment										
Nominal capacity of the pump motor	kW	18,5			18,5			18,5		
Installed heating capacity	kW	12			13			16		
Heating zones on the barrel		5			5			5		
Dry cycles (according Euromap 6)	1/h	1800			1900			2000		
Oil filling	l	345			345			345		
Dimensions and weights										
Net weight including control cabinet	t	5,8			6,0			6,2		
Installation dimensions (l x w x h)	m	4,24x1,51x2,18			4,48x1,51x2,19			4,66x1,51x2,19		
Max. mold weight	kg	1485			1485			1485		
Injection unit C2										
Injection rate	cm^3/s	123	161	204	143	181	224	146	181	219
Screw speed Standard / ZE	1/min	391/489			356/446			255/356		
Plasticising rate [2] at screw speed										
Standard PS	g/s	22	29	36	28	36	45	27	34	41
ZE PS	g/s	28	36	46	36	45	56	39	49	59
Nominal capacity of the pump motor	kW	18,5			22			22		
Injection unit C2 with accumulator										
Injection rate with accumulator	cm^3/s	289	377	477	377	477	589	477	589	713
Screw speed	1/min	391/489			356/446			255/356		
Plasticising rate [2] at screw speed										
Standard PS	g/s	22	29	36	28	36	45	27	34	41
ZE PS	g/s	28	36	46	36	45	56	39	49	59
Nominal capacity of the pump motor	kW	18,5			22			22		
Electrical screw drive (ZE)										
Screw drive capacity	kW	20			20			28		
Screw speed nom./max.	1/min	332/477			256/410			266/410		
Plasticising rate [2] at										
Screw speed, nom., PS	g/s	19	25	31	21	26	32	28	35	42
Screw speed, nom., PE	g/s	27	35	45	33	42	52	45	56	68

[1] Intern. classification = max. stroke volume (cm^3) x max. injection pressure (bar) divided by 1000.

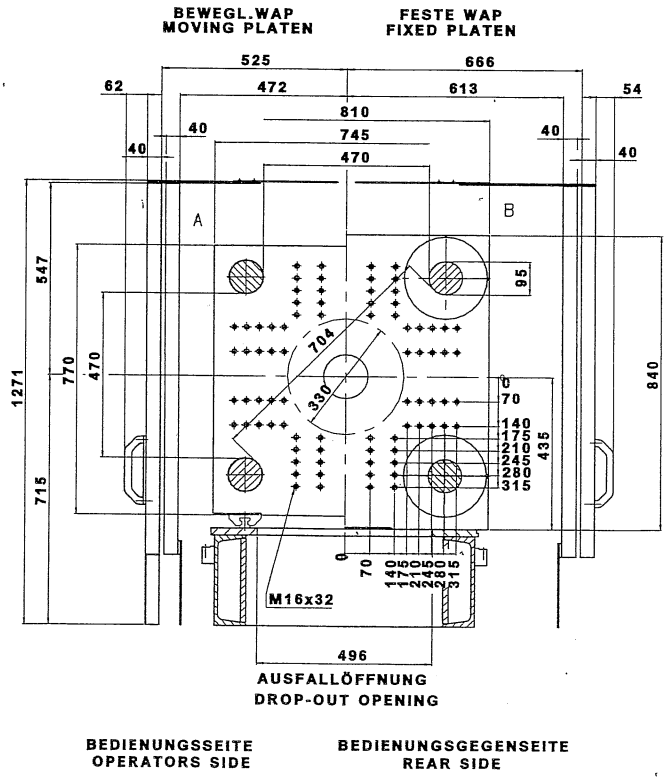
[2] Determined according to Euromap 5 from weight of injection molded part devided by plasticising time. The plasticising rate relates to the maximum screw speed of a KM standard screw.

C KM 110/125 -390 -520 -700

Maßskizze / *Dimensions*



Maßskizze / *Dimensions*



[1] 1 kN ≙ 0,1 Mp

[2] Internationale Größenbezeichnung errechnet aus max. Hubvolumen (cm^3) x max. Spritzdruck (bar) dividiert durch 1000.

[3] Ermittelt nach Euromap 5 aus dem Spritzteilgewicht dividiert durch die Plastifizierzeit. Der Plastifizierstrom bezieht sich auf die max. Drehzahl mit KM-Standardschnecke.

[4] Nach Euromap 6 (Zyklen pro Stunde).

[5] Erhöhte Antriebsleistung auf Anfrage.

[6] Zusätzl. Maschineneinrichtungen

[1] 1 kN ≙ 0.1 Mp

[2] International classification calculated from max. stroke volume cm^3 x max. injection pressure (bar) divided by 1000.

[3] Determined according to Euromap 5 from weight of injection moulded part divided by plasticising time. The plasticising rate relates to the maximum rpm of a standard screw.

[4] According to Euromap 6 (cycles per hour).

[5] Uprated capacity on request

[6] Additional equipment