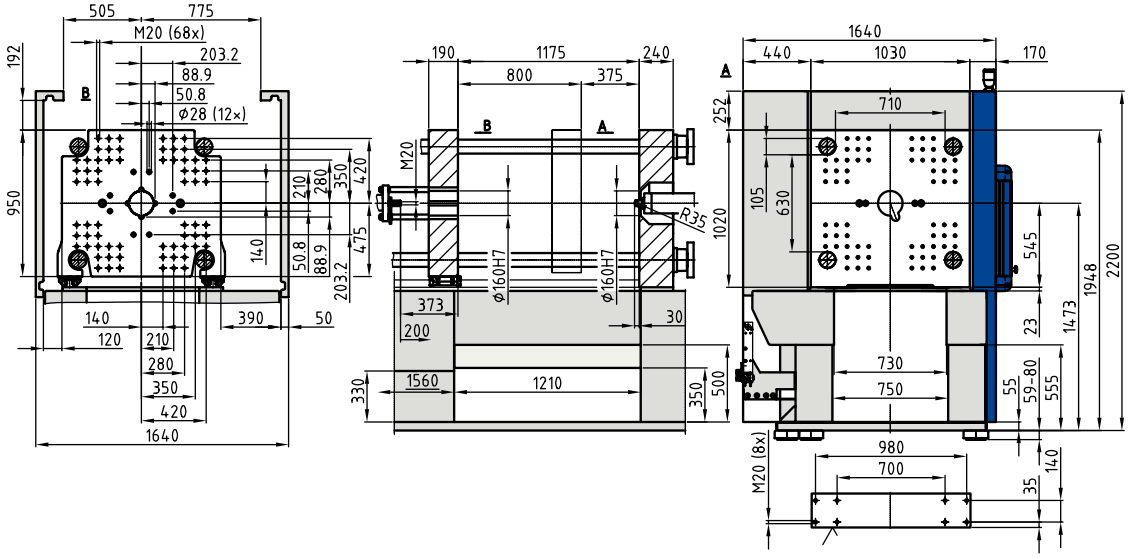
HM 300 t

Clamping unit		HM 300/ ...								
Clamping force	kN	3000								
Distance between tier-bars	mm x mm	710 x 630								
Mold height (min.)	mm	375								
Opening stroke/opening force	mm/kN	800/141								
Maximum daylight	mm	1175								
Ejector stroke/ejector force	mm/kN	200/59								
Dry cycle time [1]	s-mm	2,8 - 441								
Injection unit		**... /1000**			**... /1330**			**... /2250**		
Screw diameter	mm	45	50	55	50	55	65	55	65	75
Screw stroke	mm	250			275			325		
Screw L/D ratio		22			22			22		
Theoretical shot volume	cm^3	398	491	594	540	653	913	772	1078	1436
Specific injection pressure	bar	2490	2016	1666	2470	2041	1461	2500	2070	1555
Max. screw speed	min^{-1}	400			318			283		
Max. plasticizing rate (PS) [2]	g/s	49,9	60,3	74,6	48	59,3	70,9	53	79	120
Max. screw torque	Nm	1540			1940			2373		
Nozzle stroke/nozzle contact force	mm/kN	400/100			400/100			500/129		
Injection rate into air	cm^3/s	281	347	420	283	343	479	242	338	450
Injection rate into air with twin-pump (option)	cm^3/s	351	434	525	354	428	599	315	440	585
Injection rate into air with hydraulic accumulator (option)	cm^3/s	478	590	714	567	686	958	726	1014	1351
Drive										
Drive power	kW	45			45			45		
Oil tank volume	l	650			650			650		
Electrical power supply without/with Europackage	kVA	75/104			78/107			88/117		
Weights, Dimensions										
Netweight (exclusive oil)	kg	12000			12000			14000		
Lenght x width x weight [3]	m	5,6x1,9x2,4			5,7x1,9x2,4			6,9x1,9x2,4		
Max. mold weight/min. mold diameter [4]	kg/mm	3200/630			3200/630			3200/630		

1) according to Euromap 6 2) according to Battenfeld norm, higher plasticizing rates possible with twin-pump (option)
3) max. length with middle screw diameter in back position 4) max. 2/3 on clamping platen