

Machine model
 International size

30 M, 30 A, 30 D
 300-75

Clamping unit

Clamping force	kN	306
Mould closing force	kN	24
Mould opening force	kN	33
Mould opening stroke, max.	mm	300
Maximum plate distance	mm	500
Minimum plate distance	mm	200
Clear width between tie bars	mm	280 x 254 (h x v)
Diameter	mm	40
Ejector stroke	mm	80
Ejector force pushing / pulling	kN	20,3 / 13,5

Injection unit

Screw diameter	mm	24	28	32	
Screw-L/D ratio	—	22,3	19	16,6	
Flight depth ratio	—	2,05	2,25	2,20	
Spec. injection pressure	bar	1810	1340	1030	
Theor. stroke volume	cm ³	41	55	72	
Injection weight with polystyrene	g	36	49	64	
Plasticising rate	g/s	6,28	12	14	n = 380 1/min
Injection rate	g/s	51,3	68,4	92	

Screw torque

motor	100 cm ³ /U	Nm	240
	160 cm ³ /U		400

Screw speed

motor	100 cm ³ /U	U/min	10-400
	160 cm ³ /U		10-250

Injection force	kN	83
Screw stroke	mm	90
Screw retraction force	kN	22,8
Nozzle pressure force	kN	54
Nozzle stroke	mm	180
Heating capacity (1)	W	2400 + 2x 1295 + 730 + 250 = 5970 (30M)
	W	2400 + 2x 1295 + 730 + 230 = 5950 (30D)
Hopper capacity	L	20

General

Number of drycycles (Euromap)	1/min	38
Installed driving power	kW	7,5
Installed total power (1)	kW	13,5
Hydraulic system pressure	bar	180
Oil tank capacity	L	115

Dimensions and weights

Length of machine	mm	2520
Width of machine	mm	860
Height of machine	mm	1900
Floor area	m ²	2,2
Total weight net (without oil)	kg	1150
Total weight gross (without oil)	kg	1300
Mould cooling connection	—	R 1/2"
Oil cooling connection	—	R 1/2"
Resounding power level	dB (A)	78,8 (2)

(1) Standard barrel

(2) DIN 45635