



1.1.2 Data Sheet ERGOtech 35 NC 4

Model Description		ERGOtech 35 – 35 / 35 – 80 / 35–120 / 35–200
Internat. Size classification		350–35 / 350–80 / 350 – 120 / 350–200
Clamping unit		350
Clamping force	kN	350
Locking force	kN	350
Max opening stroke	mm	350
Min. Mould mounting height	mm	180
Max. Mould mounting height	mm	–
max. Daylight between platens	mm	530
Overall size of platens	mm	410 x 410
Daylight distance between tie bars	mm	280 x 280
Max. Mould Height	kg	230
Hydraulic ejector		
Ejection Stroke	mm	100
Ejection Force	kN	26,4
Ejector retraction force	kN	6,2



Data Sheet ERGOtech 35 NC 4 – continued

Injection Unit		120		
Plasticising cylinder		A	B	C
Screw diameter ¹⁾	mm	22	25	30
L / D – Ratio		20	20	20
Injection pressure (at 400 °C)	bar	2400 ²⁾	2000	1390
Cylinder head volume	ccm	41,8	61,3	88,3
Component weight (PS)	g	37	54	78
Max. Metering stroke	mm	110	125	125
Max. Nozzle stroke	mm			180
Nozzle dipping depth (SVO)	mm	30	30	30
Nozzle sealing force	kN		60	
Heating capacity of screw cylin.	kW	4,5	5,1	7,5
Hopper capacity	Ltr.		35	
General data				
Oil tank capacity	Ltr.		165	
Pump Unit	kW		11,0 / 15,0	
Total installed power	kW	15,5 / 19,5	16,1 / 20,1	18,5 / 22,5
Installed total power with "electrical screw drive"	kW	23,0 / 27,0	23,6 / 27,6	26,0 / 30,0
Net weight (without oil)	kg		approx. 2150 ³⁾	
Machine dimensions L x B x H	m		3,2 x 1,3 x 1,8	
Noise level (pressureless circulation of both pumps)	dB (AS)		65,0	
Noise level (high pressure)	dB (AS)		68,0	

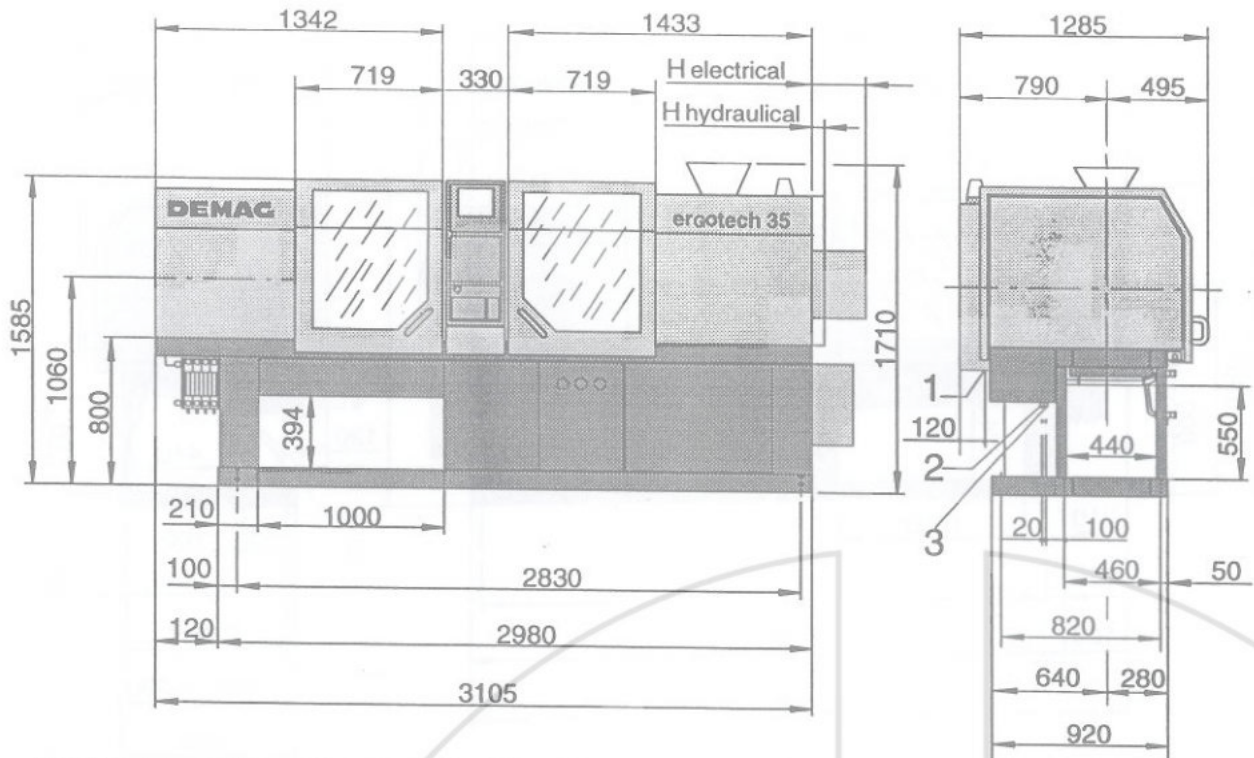
1) Plasticising units with the same screw diameter are exchangeable between the single injection units.

2) On temperature settings above 400°C injection pressure is automatically reduced by machine controller.

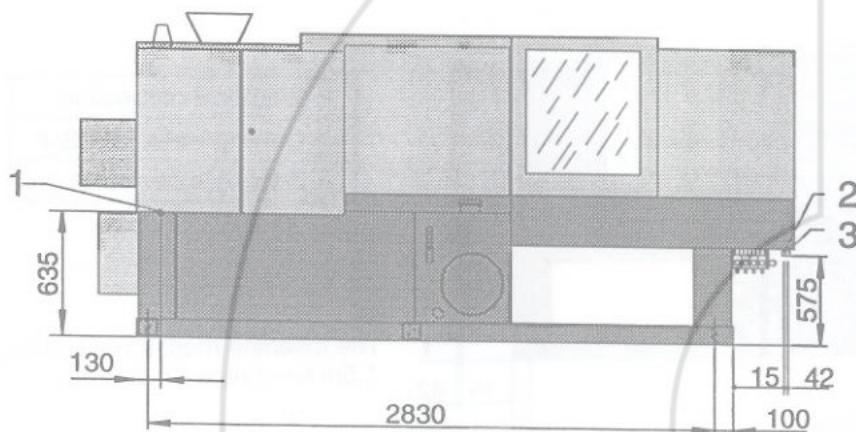
3) Only for B-cylinder and small pump unit.



2.2.2 Installation plan ERGOtech 35



Position E –cooling water connection(s) on the non-operator side



1	Electrical connection
2	Cooling water inlet 3/4"
3	Cooling water outlet 3/4"

The machine must have approx. 1,5m clearance on all sides.

Injection unit	H hydraulic	H electrical
EE 80	0	490
EE 120	0	490
EE 200	190	760

