

# Injection Moulding Machine D 150 NCIII-P D 150 NCIII-K

## Technical data

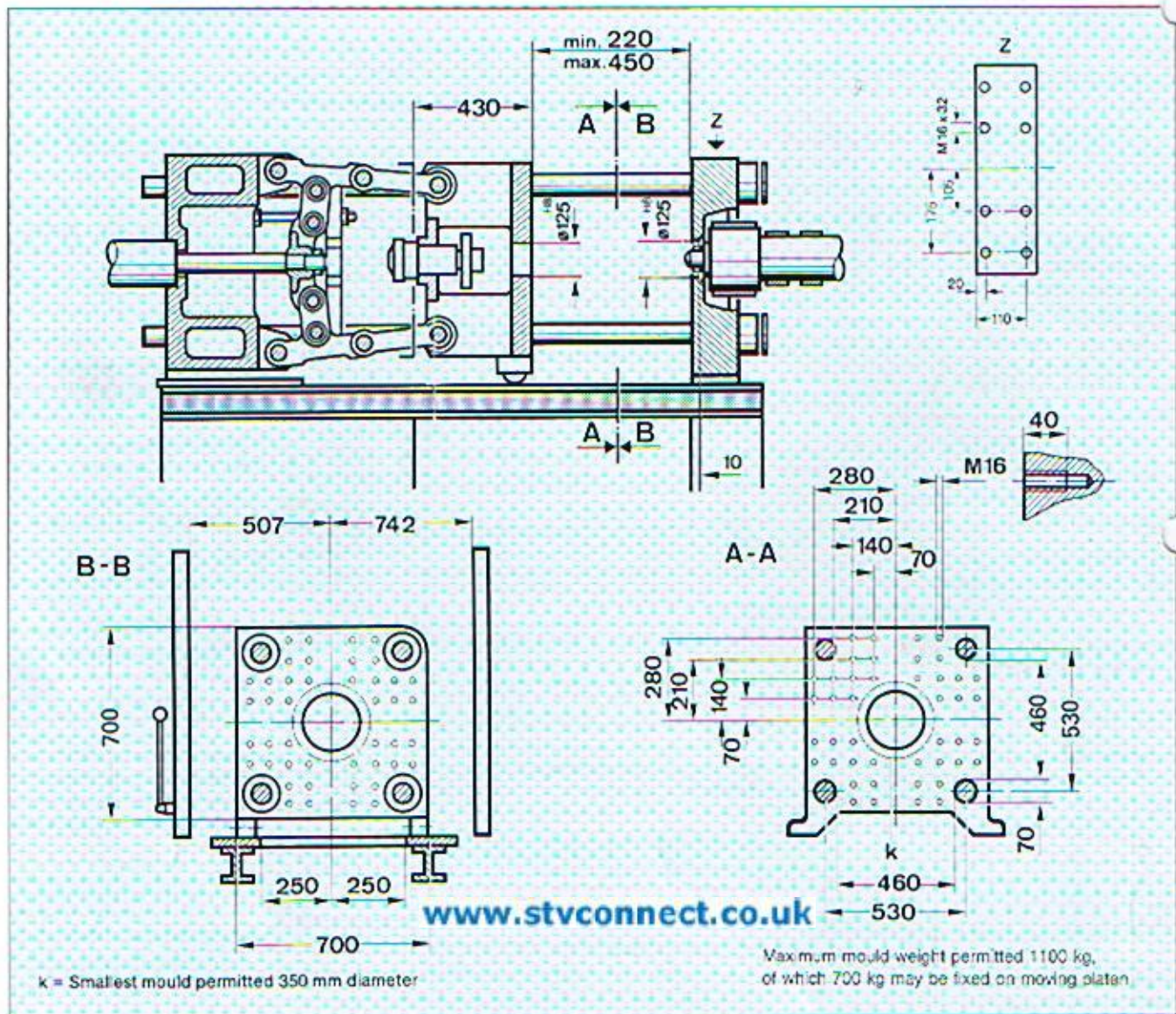
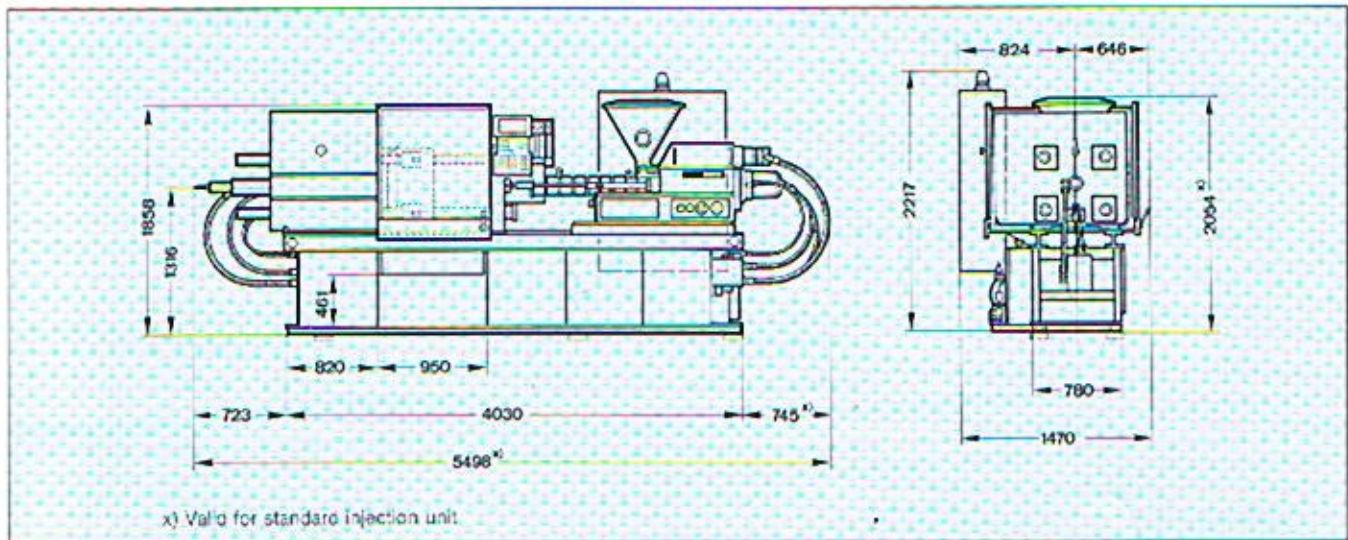
Model description		D 150-275			D 150-452			D 150-730		
International size classification		1500-275			1500-452			1500-730		
Pump unit	kW	22			22			22		
Control					control NCIII-P or control NCIII-K					
<b>Clamping unit</b>		<b>1500</b>								
Clamping force	kN	1 500								
Locking force	kN	1 850								
Mould opening stroke	mm	430								
Minimum mould height	mm	220								
Maximum mould height	mm	450								
Max. daylight between platens	mm	680								
Overall size of platens	mm	700 × 700								
Distance between tie bars	mm	460 × 460								
Hydraulic ejector										
- stroke	mm	160								
- ejection force	kN	45								
- retraction force	kN	25								
<b>Injection unit</b>		<b>275</b>			<b>452</b>			<b>730</b>		
Screw cylinder		A	B	C	A	B	C	A	B	C
Screw diameter	mm	32	38	45	38	45	52	45	52	60
L/D ratio		23,2	19,3	15,9	22,9	19,2	16,2	23,1	19,7	16,8
Injection pressure										
- without differential switching	bar	2 440	1 730	1 230	2 490	1 780	1 330	2 420	1 810	1 360
- with differential switching	bar	1 690	1 340	960	1 730	1 230	920	1 780	1 330	1 000
Cylinder head volume	cm <sup>3</sup>	110	160	220	180	255	340	300	400	540
Shot weight in polystyrene	g	98	145	195	160	230	305	265	355	480
Rate of injection in polystyrene										
- without differential switching	g/s	110	166	216	106	152	202	110	147	188
- with differential switching	g/s	143	198	281	156	216	290	152	202	267
- with accumulator	g/s	450	640	890	640	890	1 180	640	850	1 130
Pastilising flow in polystyrene										
- capacity range I	g/s	17	27	36	22	35	43	29	39	-
- capacity range II	g/s	12	19	25	18	28	35	18	24	31
- capacity range III	g/s	7,5	12	16	11	16	22	15	20	25
- capacity range IV	g/s	-	-	-	7,5	12	15	10	14	17
Screw stroke	mm	140			160			190		
Max. distance of nozzle retraction	mm	350			380			430		
Max. nozzle dipping depth (SVO)	mm	45	45	45	45	45	45	50	50	50
Nozzle sealing force	kN	68			110			110		
Heating capacity of screw cylinder	kW	10,8			14,0			17,1		
Hopper capacity	l	75			75			75		
<b>General data</b>		<b>1500-275</b>			<b>1500-452</b>			<b>1500-730</b>		
Oil tank capacity	l	380			380			390		
Pump unit	kW	22			22			22		
Total installed electrical power	kW	33			36			39		
No. of dry cycles										
- to EUROMAP 6a	h <sup>-1</sup>	1 700			1 700			1 700		
- without nozzle retraction	h <sup>-1</sup>	2 430			2 430			2 430		
Net weight (without oil)	kg	6 200			6 200			6 500		
Dimensions of machine	m	5,4 × 1,5			5,5 × 1,5			5,8 × 1,5		

Figures in the table are printed in the continental way, i.e. 0.5 = 0,5

Subject to change without notice

Dimensions  
 D 150 NCIII-P  
 D 150 NCIII-K

**stv**connect  
[www.stvconnect.co.uk](http://www.stvconnect.co.uk)



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