

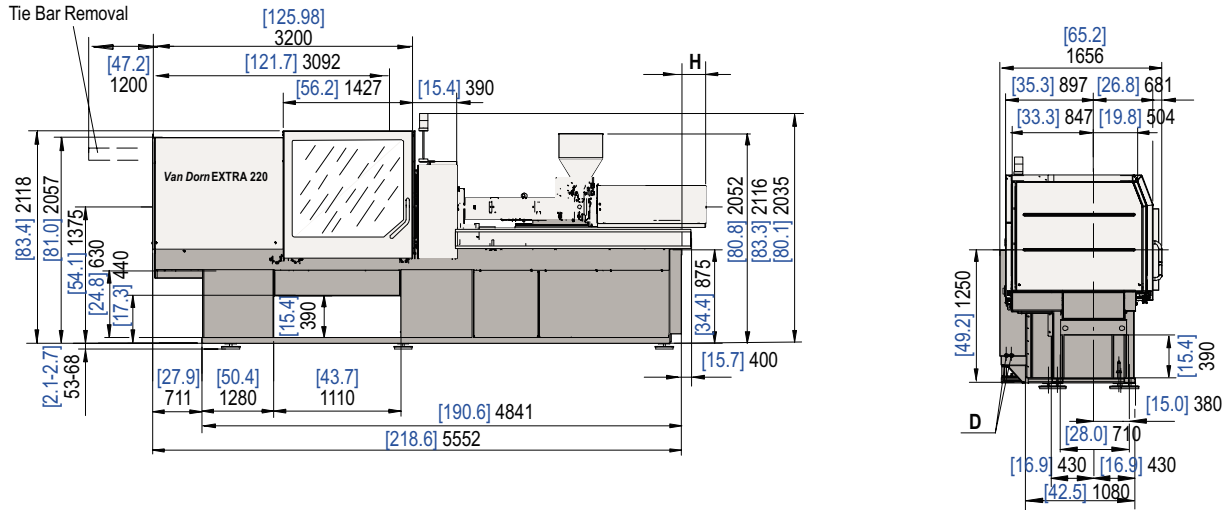
Technical Data Van Dorn EXTRA 220

| Van Dorn Demag | | Van Dorn EXTRA 220 | | | | | |
|--|---|-------------------------------|---------------|----------------|-------------------------------|----------------------|----------------------|
| Model description | | Van Dorn EXTRA 220-600 | | | Van Dorn EXTRA 220-840 | | |
| International size description | | 2000-600 | | | 2000-840 | | |
| Clamping unit | | 220 | | | | | |
| Clamping force | [US Tons] [kN] | [224.7] 2000 | | | | | |
| Locking force | [USTons] [kN] | [247.2] 2200 | | | | | |
| Max. mold opening stroke | [in] [mm] | [22.6] 575 | | | | | |
| Min. mold height | [in] [mm] | [13.4] 340 | | | | | |
| Max. mold height | [in] [mm] | [27.2/31.1] 690/790 | | | | | |
| Max. daylight | [in] [mm] | [49.8/53.7] 1265/1365 | | | | | |
| Mold platen (h x v) | [in] [mm] | [33.9x33.9] 860 x 860 | | | | | |
| Distance between tie bars (h x v) | [in] [mm] | [22.8x22.8] 580 x 580 | | | | | |
| Ejection stroke | [in] [mm] | [7.1] 180 | | | | | |
| Ejection force | [US Tons] [kN] | [7.8] 69 | | | | | |
| Retraction force | [US Tons] [kN] | [3.4] 31 | | | | | |
| Injection unit | | 600 | | | 840 | | |
| Screw diameter | [in] [mm] | [1.6] 40 | [1.8] 45 | [2.0] 50 | [1.8] 45 | [2.0] 50 | [2.4] 60 |
| L/D ratio | | 20 | 20 | 20 | 20 | 20 | 20 |
| Injection pressure (up to 752°F) | [psi] [bar] | [166.8] 2420 | [131.6] 1910 | [106.8] 1550 | [165.5] 2402 | [134.1] 1946 | [93.1] 1351 |
| Cylinder head volume | [in ³] [cm ³] | [14.1] 231 | [19.7] 323 | [24.3] 399 | [21.8] 358 | [27.0] 442 | [38.1] 636 |
| Max. shot weight (PS, PE*) | [oz] [g] | [7.3] 208 | [10.3] 291 | [12.7] 359 | [11.3] 320 | [14.1] 400 | [20.1] 570 |
| Rate of injection | | | | | | | |
| > without accumulator | [in ³] [cm ³ /s] | [11.8] 193 | [14.9] 244 | [18.4] 301 | [10.6] 173 | [12.8] 209 | [18.3] 300 |
| > with accumulator | [in ³] [cm ³ /s] | - | - | - | - | - | - |
| Plasticizing rate (PS, PE*) | | | | | | | |
| > motor 1 (1740 psi) | [oz/s] [g/s] | [0.95] 27 | [1.3] 36 | [1.8] 50 | [1.0] 29 | [1.4] 41 | [2.3] 64 |
| > motor 2 (1740 psi) | [oz/s] [g/s] | [0.81] 23 | [1.1] 31 | [1.5] 43 | [0.71] 20 | [1.0] 29 | [1.6] 45 |
| Max. screw stroke | [in] [mm] | [7.2] 184 | [8.0] 203 | [8.0] 203 | [8.9] 225 | [8.9] 225 | [8.9] 225 |
| Max. distance of nozzle retraction | [in] [mm] | | [15.7] 400 | | | [15.7] 400 | |
| Max. nozzle dipping depth (SVO) | [in] [mm] | | [.79] 20 | | | [.79] 20 | |
| Nozzle sealing force | [US Tons] [kN] | | [6.7] 60 | | | [9.0] 80 | |
| Number of heating zones | | 4 | 4 | 5 | 5 | 5 | 5 |
| Hopper capacity | [gal] [L] | | [13.2] 50 | | | [18.5] 70 | |
| General data | | 220-600 | | | 220-840 | | |
| Oil tank capacity | [gal] [L] | [58.0] 220 | | | [58.0] 220 | | |
| Installed electrical rating | | | | | | | |
| > pump unit | [hp] [kW] | [58.0] 30 | | | [40] 30 | | |
| > heating capacity of screw cylinder | [kw] | 11.1 | 11.3 | 15.7 | 13 | 14.8 | 23.1 |
| > total | [kw] | 41 | 41 | 46 | 43 | 45 | 53 |
| Dry cycles (EUROMAP 6) | [s-in] [s-mm] | | | | | | |
| Net weight (without oil) | [lb] [kg] | [17333.3] 7800 | | | [18222.2] 8200 | | |
| Machine dimensions (l x w x h) | [in] [m] | [212.6x66.9x82.7] 5.4x1.7x2.1 | | | [212.6x66.9x82.7] 5.4x1.7x2.1 | | |
| Screw motor overhang (H) ¹⁾ | [in] [mm] | [0/2.6] 0/65 | [0/9.2] 0/233 | [0/14.6] 0/372 | [17.3/33.1] 440/840 | [23.6/39.4] 600/1000 | [35.0/50.8] 890/1290 |

We reserve the right to make changes as a result of further technical advantages. Plasticizing rate depends on processing conditions and material employed.

1) carriage forward/carriage back

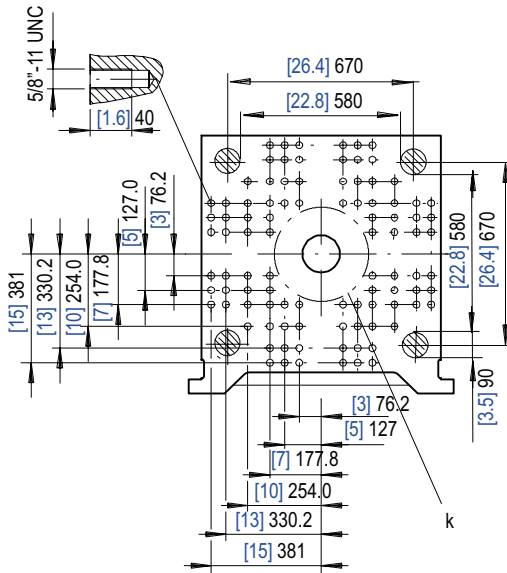
Machine dimensions Van Dorn EXTRA 220



Platen dimensions Van Dorn EXTRA 220

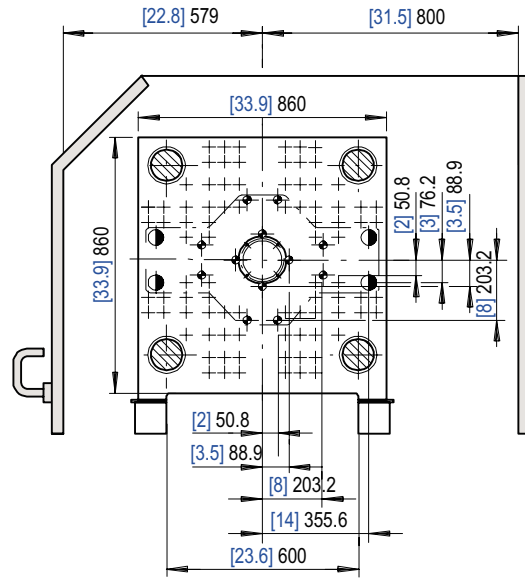
Fixed platen

A - A



Moving platen

B - B



Hole pattern according SPI

k = minimum permissible mold-Ø 13.8"/350 mm

Max. permissible mold weight 5510 lbs./2500 kg

max. 3748 lbs./1700 kg of it on the moving platen support bearings

⊕ bore diameter Ø 1.1"/27mm through holes

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