

# C3 KM 280 – 1000

## Injection Moulding Machine

### Clamping Unit

|                                    |    | KM 280 C3  |
|------------------------------------|----|------------|
| Clamping force <sup>1)</sup>       | kN | 2800       |
| Mould opening force                | kN | 160        |
| Travel force movable platen        |    |            |
| opening                            | kN | 86         |
| closing                            | kN | 68         |
| Size of mould platens (h x v)      | mm | 995 x 1050 |
| Clearance between tie bars (h x v) | mm | 630 x 630  |
| Mould opening stroke               | mm | 820        |
| Mould height min.                  | mm | 330        |
| Max. daylight                      | mm | 1150       |
| Hydraulic ejector – stroke         | mm | 200        |
| Force forward/backward             | kN | 58/28      |

### Injection Unit

|                                           |                    | SP 1000 |      |
|-------------------------------------------|--------------------|---------|------|
| Working capacity <sup>2)</sup>            |                    | 1000    |      |
| Screw diameter                            | mm                 | 50      | 55   |
| L <sub>s</sub> /D ratio                   |                    | 26.0    | 23.6 |
| Injection pressure                        | bar                | 2304    | 1904 |
| Stroke/D ratio                            |                    | 4.4     | 4.0  |
| Stroke volume                             | cm <sup>3</sup>    | 432     | 523  |
| Shot weight, PS                           | g                  | 393     | 476  |
| Injection rate                            | cm <sup>3</sup> /s | 1178    | 1425 |
| Screw drive nominal/maximum <sup>6)</sup> | 1/min              | 256/420 |      |
| Plasticising rate <sup>3)</sup> at        |                    |         |      |
| Screw speed nominal, PS                   | g/s                | 38      | 46   |
| Screw speed maximum, PS                   | g/s                | 55      | 67   |
| Nozzle pressure                           | kN                 | 82      |      |

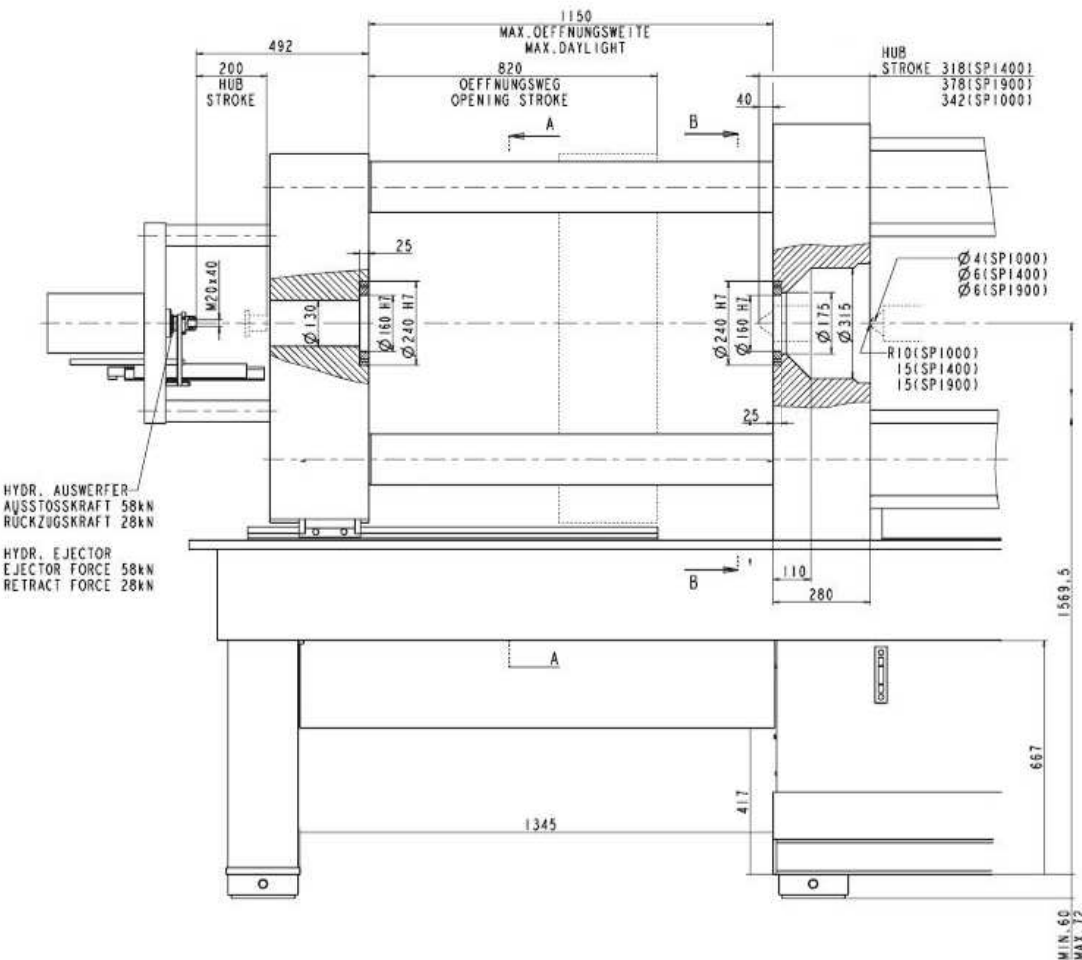
### Electric and Hydraulic Equipment

|                                 |      |      |
|---------------------------------|------|------|
| Nominal capacity of pump motor  | kW   | 75   |
| Screw drive capacity (electr.)  | kW   | 45   |
| Installed drive capacity        | kW   | 120  |
| Installed heating capacity      | kW   | 26   |
| Adjustable barrel heating zones |      | 6    |
| Dry cycle number <sup>4)</sup>  | 1/h  | 1800 |
| Oil filling                     | ltr. | 720  |

BEDIENUNGSSEITE  
OPERATORS SIDE



HYDR. AUSWERFER  
AUSSTOSSKRAFT 58kN  
RUCKZUGSKRAFT 28kN



- 1)  $1 \text{ kN} \hat{=} 0,1 \text{ Mp}$
- 2) Internationale Größenbezeichnung errechnet aus  
max. Hubvolumen ( $\text{cm}^3$ )  
x max. Spritzdruck (bar)  
dividiert durch 1000.
- 3) Ermittelt nach KM-Werksnorm.
- 4) Nach Euromap 6  
(Zyklen pro Stunde).

- 1)  $1 \text{ kN} \equiv 0.1 \text{ Mp}$
- 2) International classification calculated from max. stroke volume ( $\text{cm}^3$ ) x max. injection pressure (bar) divided by 1000.
- 3) Determined according to KM standards.
- 4) According to Euromap 6 (cycles per hour).