

TECHNICAL DATA

| Model | F 80 |
|--------------------------------------|--------------------------|
| Article no. | 3501081 |
| Machine data | |
| Electrical connection | 400 V / 3 Ph ~50 Hz |
| Total connected load | 12 kVA |
| Milling spindle | |
| Drive motor S1 operation | 3.7 kW |
| Drive motor torque S1 operation | 24 Nm |
| Drive motor S6 30 % operation | 5.5 kW |
| Drive motor torque S6 30 % operation | 36 Nm |
| Spindle seat | BT 40 |
| Cooling lubricant system | |
| Coolant pump output | 450 W |
| Tank capacity | 80 litres |
| Milling precision | |
| Repeat accuracy | ± 0.008 mm |
| Positioning accuracy | ± 0.008 mm |
| Tool changer | |
| Type | Carousel |
| Number of tool slots | 12 |
| Max. tool diameter | 70 mm |
| Tool length | 200 mm |
| Max. tool weight | 8 kg |
| Time tool change tool to tool | 7 seconds |
| Travel | |
| X axis | 450 mm |
| Y axis | 300 mm |
| Z axis | 450 mm |
| Feed drive | |
| Rapid traverse X/Y/Z axis | 20 m/min. |
| Motor torque | |
| X axis | 6 Nm |
| Y axis | 6 Nm |
| Z axis | 11 Nm |
| Speed range | |
| Speeds* | 50 - 10 000 rpm |
| Pneumatics | |
| Compressed air | 7 bar |
| Milling table | |
| Clearance spindle to table | 100 - 550 mm |
| Spindle - column distance | 370 mm |
| Table length x width | 800 x 260 mm |
| T-slot size / amount / distance | 16 mm / 5 / 50 mm |
| Maximum payload | 200 kg |
| Dimensions | |
| Length x width x height | 1,995 x 1,930 x 1,640 mm |
| Overall weight | 2,300 kg |

* Please note that the maximum spindle speed must be reduced by approx. 20 % in continuous operation