



## Product technical data HF 2016

### Travels

|                   |         |
|-------------------|---------|
| X-axis [mm]       | 2.000   |
| Y-axis [mm]       | 1.600   |
| Z-axis [mm]       | 1.000   |
| Rotary table [°]  | n x 360 |
| Table travel [mm] | 1.500   |

### Optional spindle / head

|                                   |            |
|-----------------------------------|------------|
| Type                              | F2F        |
| Power (S1/100%) [kW]              | 25         |
| Power (S6/40%) [kW]               | 32         |
| Torque (S1/100%) [Nm]             | 194        |
| Torque (S6/40%) [Nm]              | 239        |
| Speed [1/min]                     | 10.000     |
| Tool holder                       | HSK - A100 |
| Spindle tilting [°]               | -2/+92     |
| Head rotation [°]                 | -182/+182  |
| Reinforcement (tilting axes) [Nm] | 17.200     |
| Reinforcement (pivot axes) [Nm]   | 15.000     |
| Positioning step [°]              | 0,001      |

## Optional spindle / head

|                                   |            |
|-----------------------------------|------------|
| Type                              | T30C       |
| Power (S1/100%) [kW]              | 40         |
| Power (S6/40%) [kW]               | 50         |
| Torque (S1/100%) [Nm]             | 248        |
| Torque (S6/40%) [Nm]              | 314        |
| Speed [1/min]                     | 14.000     |
| Tool holder                       | HSK - A100 |
| Spindle tilting [°]               | -110/+110  |
| Head rotation [°]                 | -240/+240  |
| Reinforcement (tilting axes) [Nm] | 8.000      |
| Reinforcement (pivot axes) [Nm]   | 8.000      |
| Positioning step [°]              | continuous |

## Optional spindle / head

|                                   |            |
|-----------------------------------|------------|
| Type                              | T30C CSC   |
| Power (S1/100%) [kW]              | 50         |
| Power (S6/40%) [kW]               | 62         |
| Torque (S1/100%) [Nm]             | 251        |
| Torque (S6/40%) [Nm]              | 313        |
| Speed [1/min]                     | 20.000     |
| Tool holder                       | HSK - A100 |
| Spindle tilting [°]               | -110/+110  |
| Head rotation [°]                 | -240/+240  |
| Reinforcement (tilting axes) [Nm] | 8.000      |

### Optional spindle / head

|                                 |       |
|---------------------------------|-------|
| Reinforcement (pivot axes) [Nm] | 8.000 |
|---------------------------------|-------|

Positioning step [°] continuous

### Optional spindle / head

|      |      |
|------|------|
| Type | T21C |
|------|------|

Power (S1/100%) [kW] 42

Power (S6/40%) [kW] 50

Torque (S1/100%) [Nm] 67

Torque (S6/40%) [Nm] 84

Speed [1/min] 24.000

Tool holder HSK - A63

Spindle tilting [°] -100/+100

Head rotation [°] -240/+240

Reinforcement (tilting axes) [Nm] 4.000

Reinforcement (pivot axes) [Nm] 4.000

Positioning step [°] continuous

### Optional spindle / head

|      |          |
|------|----------|
| Type | T21C CSC |
|------|----------|

Power (S1/100%) [kW] 29

Power (S6/40%) [kW] 38

Torque (S1/100%) [Nm] 69

Torque (S6/40%) [Nm] 91

Speed [1/min] 24.000

### Optional spindle / head

|                                   |            |
|-----------------------------------|------------|
| Tool holder                       | HSK - A63  |
| Spindle tilting [°]               | -100/+100  |
| Head rotation [°]                 | -240/+240  |
| Reinforcement (tilting axes) [Nm] | 4.000      |
| Reinforcement (pivot axes) [Nm]   | 4.000      |
| Positioning step [°]              | continuous |

### Other

|                                  |               |
|----------------------------------|---------------|
| Clamping surface [mm]            | 2.300 x 2.300 |
| Workpiece weight [kg]            | 25.000        |
| Feed rate [mm/min]               | 30.000        |
| Acceleration [m/s <sup>2</sup> ] | 2,5           |
| Machine weight [kg]              | 104.500       |