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## Data sheet

# FPS 630M-NC
## Dualmaster

User-friendly, high-quality
universal milling and drilling machine

**Dual guide system for
highest presicion, high dynamics
and maximum rigidity**

Item number : **6205**

| | |
|---|---|
| **Display** | |
| | **Siemens Sinumerik One mit NCU 1740**<br>contouring control with swiveling control panel |
| **Application** | |
| | Comfortable to operate Siemens Sinumerik One contouring control.<br>ShopMill, TFT color flat screen 19" multi-touch screen.<br>DIN/ISO and CNC high level language under Sinumerik Operate. |

## Technical Data

| | | |
|---|---|---|
| **Axis travel** | | |
| | X / Y / Z | 630 / 450 / 400 mm |
| **Tool holder** | | |
| | SK40 DIN 69871 | |
| **Clamping system** | | |
| | Hydromechanic clamping system<br>DIN 69872 (Standard), DIN 2080 (Option) | |
| **Cutting spindle** | | |
| | Vertical cutting spindle manually telescopic 80 mm<br>Horizontal cutting spindle (optional)<br>Milling head manually tiltable +/- 90 ° (180°) | |
| **Milling arm** | | |
| | Additionally displaceable, adjustment via trapezoidal spindle and handwheel on the Y axis by 150 mm.<br>This increases the X - Y working area to 630 x 600 mm. | |
| **Speed range** | | |
| | 20 – 5000 rpm stepless adjustable | |
| **Spindle performance** | | |
| | 7,2/14,1 kW 100%/25% ED | |
| **Feed** | | |
| | Stepless adjustable digital<br>feed motor 0 -5000 mm/min | |
| **Rapid traverse** | | |
| | 10 m/min – stepless adjustable | |
| **Fixed table** | | |
| | 800 x 470 mm max. load 350 kg | |

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## Options

| | | |
|---|---|---|
| | Electric handwheel | Tool calibration system |
| | Horizontal cutting spindle | Rinsing gun |
| | Overarm with counterbearing | Minimum oil machining |
| | Changeover machine type | Special paint coating |

## Connection values

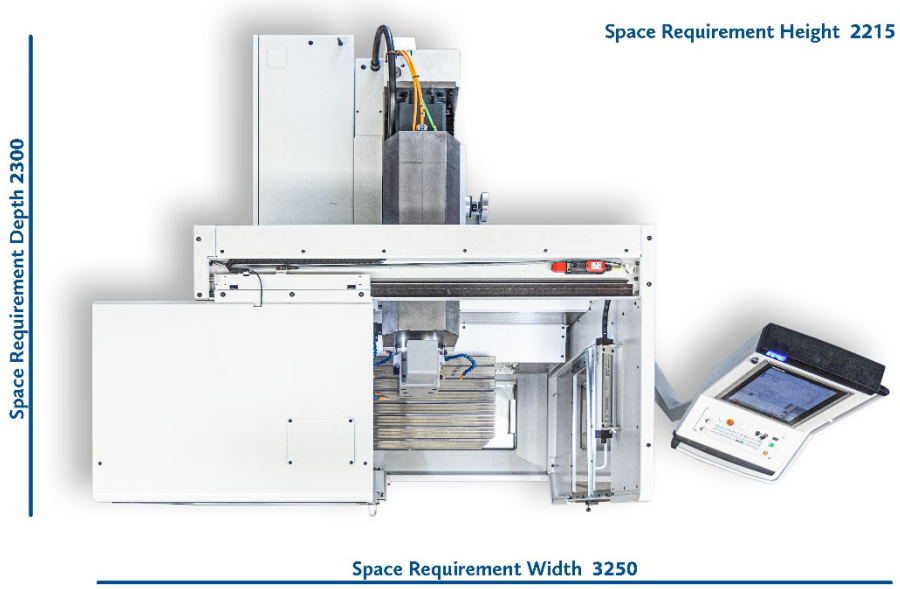
| | | | |
|---|---|---|---|
| **Mains connection** | | | |
| | 3 x 400 V AC 50 Hz | | |
| **Electrical supply** | | | |
| | TN-S/ | | |
| **Vonnection method** | | | |
| | Fixed connection | | |
| **Power consumption** | | | |
| | 18,7 KVA | | |
| **Nominal current** | | **Max. Fuse** | |
| | 25 A | | 50 A NH |

**After new machine EN / ISO Standards / Machine class 1**

EN ISO 12100, EN ISO 13857, DIN EN 13128:2009-09,
EN ISO 13850, EN ISO 13849, EN 60204-1

## Space requirements

| | |
|---|---|
| **Machine weight** | |
| | 2610 kg incl. fixed table and milling head |




*Data without required safety distances