

Travel Axes

Longitudinal X-Axis 3000 mm

Transversal Y-Axis 865 mm

Vertical Z-Axis 900 mm

Milling Head Angles

Vertical Plane 360° ($\pm 180 \times 1^\circ$)

45° Plane 360° ($\pm 180 \times 1^\circ$)

Distances

Spindle Nose To Table Surface 33–998 mm

Spindle Center To Table Surface 98–998 mm

Spindle Milling Head

Milling Head KFM 1.0

Tool Holder SK50 DIN 69871 Form A DIN 69872 Form A

Tightening Torque Drawbar Max 180 Nm Min 175 Nm

Rated Drive Power 25 kW

Speed Range Stepless Two Ranges 30–4000 Rpm

Speed Range 1 Up To 930 Rpm

Speed Range 2 Up To 4000 Rpm

Max Torque 800 Nm

Max Power At Spindle 25 kW

Rated Power S1 28 kW S6 43 kW

Gear Ratio 1:5.6

Table Workpiece Side

Clamping Surface 3100 x 800 mm

T-Slots 7 x 18 H12

Reference Slot 18 H8

Slot Distance 100 mm

Max Table Load 10000 kg

Hydraulics

Integrated Unit For Tool Clamping Gear Switching Axis Clamping

Operating Pressure 100 Bar

Tank Volume 7.8 l

Oil Type HLPD VG46

Coolant System

Low Pressure External Cooling

High Pressure Internal Cooling

Chip Conveyor With Coolant Tank

Filter System With Band Filter

Hand Spray Gun

External Cooling Tank Approx 350 l

Filter Tank Approx 950 l

Pump External Pressure 4 Bar Flow 40 l/min

Pump Internal Pressure 30 Bar Flow 16 l/min

Hand Pump Pressure 2 Bar Flow 40 l/min

Coolant Type Biostable Cooling Lubricant

Lubrication

Central Lubrication For Guideways And Axes
Automatic And Load Dependent
Pressure 16 Bar
Tank Volume 6 l
Guideway Oil RENEP CGLP 220
Gear Lubrication Oil Circulation
Tank Volume 5 l
Gear Oil HLPD VG46
Milling Head Lubrication Progressive Distributor 0.28 ccm Per Outlet
Electric Circulation Monitoring
Tank Volume 0.8 l
Effective Volume 0.4 l
Lubricant ISOFLEX TOPAS NB52

Dimensions Weight

Machine Weight Approx 18700 kg
Length 9400 mm
Width 4150 mm
Height 3200/3700 mm
Space Requirement Approx 47.5 m²

Noise

Sound Level ≤ 80 dB

OPTIONAL Equipment

Chip Conveyor With Coolant Tank
20-position tool changer; 7 chucks (2 new)
Dust extraction
Fully refurbished milling head (Sempuco 2022)
Tool cabinet with tools and 3D touch probe
Milling with air or emulsion possible