

TECHNICAL DATA

■ Working range

X-axis
Y-axis (toolchange position)
Z-axis
Spindle distance

■ Workpiece carrier

Swivel carrier / counter bearing with crown gear: swivel time 0/180°
A- and B-axis, prepared for mounting a fixture plate, up to max.
Drive system
Load capacity
Speed range A-, B-axis
U- and V-axis*

■ Work spindle

Spindle taper
Spindle bearings \emptyset
Speed range
Power / Torque (40% duty cycle)

Option:

Speed range
Power / Torque (40% duty cycle)

Option:

Speed range
Power / Torque (25% duty cycle)

■ Feed drive

Drive system
Rapid traverse X / Y / Z
Axis acceleration X / Y / Z
Max. feed thrust X / Y / Z

■ Accuracy (according to VDI/DGQ 3441)

Position measuring system
Position tolerance X / Y / Z

■ Tool magazine

Toolchange system
Capacity
Max. tool \emptyset
Max. tool length
Max. tool weight

■ Toolchange

Chip-to-chip time

■ Weight / Dimensions

Total weight
Transport dimensions W x H x L (Machine transported in 2 parts)
Machine installed W x H x L

■ Connected load

Operating voltage
Total connected load
Mean air consumption

■ CNC control system

Bosch-Rexroth
GE Fanuc
Siemens

BA 600-2

600 mm
600 mm (975 mm)
500 mm
600 mm

approx. 6.0 s

\emptyset 675 mm x 1,420 mm

NC rotary table
2 x 700 kg
1 - 25 rpm
2 / 4 satellites

Hollow shank DIN 69893 – HSK–A100
100 mm
1 - 10,000 rpm
2 x 38 kW / 2 x 363 Nm

1 - 6,000 rpm
2 x 53 kW / 2 x 613 Nm

Ballscrew
45 m/min
3.2 / 3.0 / 5.5 m/s ²
15,000 / 15,000 / 15,000 N

Direct, absolute
Tp=0.010 mm

Pick-Up
2 x 40 (2 x 50)* (HSK - A100)
100 mm / 250 mm (free adjacent pocket)
420 mm
20 kg

approx. 4.5 s

approx. 20,000 kg
3.40 m x 3.30 m x 3.80 m
4.20 m x 3.00 m x 2.40 m
5.20 m x 3.70 m x 8.50 m

3 x 400 Volt, 50 Hz, TN-S/TN-C network
approx. 128 kVA
1.2 Nm ³ /min (6 bar)

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BA 600-2G

600 mm
550 mm (975 mm)
360 mm
600 mm

approx. 6.0 s

\emptyset 675 mm x 1,420 mm

NC rotary table
2 x 700 kg
1 - 25 rpm
2 / 4 satellites

Hollow shank DIN 69893 – HSK–A100
100 mm
1 - 5,000 rpm
2 x 31 kW / 2 x 780 Nm

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Ballscrew
45 m/min
3.2 / 3.0 / 5.5 m/s ²
15,000 / 15,000 / 15,000 N

Direct, absolute
Tp=0.010 mm

Pick-Up
2 x 40 (HSK - A100)
100 mm / 340 mm (free adjacent pocket)
300 mm
25 kg

approx. 4.9 s

approx. 20,000 kg
3.40 m x 3.30 m x 3.80 m
4.20 m x 3.00 m x 2.40 m
5.20 m x 3.70 m x 8.50 m

3 x 400 Volt, 50 Hz, TN-S/TN-C network
approx. 100 kVA
1.2 Nm ³ /min (6 bar)

IndraMotion MTX
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BA 600-4

300 mm
600 mm (975 mm)
500 mm
300 mm

approx. 6.0 s

\emptyset 675 mm x 1,420 mm

NC rotary table
2 x 700 kg
1 - 25 rpm
4 satellites

Hollow shank DIN 69893 – HSK–A63
80 mm
1 - 12,500 rpm (1 - 17,500 rpm)*
4 x 25 kW / 4 x 85 Nm

1 - 12,500 rpm (1 - 17,500 rpm)*
4 x 35 kW / 4 x 120 Nm

1 - 10,000 rpm
4 x 27 kW / 4 x 200 Nm

Ballscrew
45 m/min
3.1 / 2.8 / 5.0 m/s ²
15,000 / 15,000 / 20,000 N

Direct, absolute
Tp=0.010 mm

Pick-Up
4 x 30 (HSK - A63)
80 mm / 160 mm (free adjacent pocket)
300 mm
7.5 kg

approx. 5.1 s

approx. 20,000 kg
4.00 m x 3.30 m x 3.80 m
4.20 m x 3.50 m x 2.40 m
5.20 m x 3.70 m x 8.50 m

3 x 400 Volt, 50 Hz, TN-S/TN-C network
approx. 210 kVA
1.2 Nm ³ /min (6 bar)

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