



S80-H450.01 S5

Pneumatic taper change

ltem no. 10804002

HF-Spindle for high-speed milling, -grinding, -drilling, -engraving

Bearings

 Hybrid ball bearing (pcs)
 4

 Lifetime lubricated
 maintenance free

Motor

Motor technology	3-phase asynchronous drive (no brushes or sensors)
Frequency	1.667 Hz
Motor poles (pairs)	2
Rated rotation speed	50.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

Power values

Liquid cooled

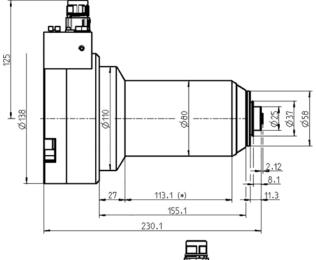
	Pmax./5s	S6-60%	S1-1	00%
Rated power	5,2	3,4	2,7	[kW]
Torque	1,08	0,75	0,73	[Nm]
Voltage	330	292	280	[V]
Current	16	11	10	[A]

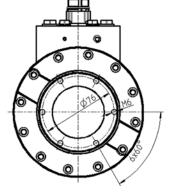




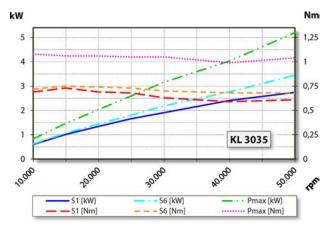
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Dimensions



Performance Diagram Liquid cooled

Measurement of power is funded by in-house testing.

Characteristics

Motor protectionPTC 160°CHousingStainless steel/aluminiumHousing diameter80 mmMounttaper adapterMounttaper adapterCoolingLiquid cooledAmbient temperature+ 10°C + 45°CSealing airProtection category (sealing air turned on)Tool changePneumatic taper changeTool changePneumatic taper changeTool HolderHSK-E 25Clamping range up to10 mmClockwise and anticlockwise9-pin (SpeedTEC)Weight (without taper)~ 8,8 kgInner taper run out< 1 µAxial run-out< 1 µ	Speed sensor	Differential magneto resistor (TTL) Number of signals = 6
Housing diameter80 mmMounttaper adapterCoolingLiquid cooledAmbient temperature+ 10°C + 45°CSealing airProtection category(sealing air turned on)IP54Taper cleaningTool changeTool changePneumatic taper changeTool change10 mmClamping range up to10 mmClockwise and anticlockwise9-pin (SpeedTEC)Weight (without taper)~ 8,8 kgInner taper run out< 1 µ	Motor protection	PTC 160°C
Mounttaper adapterCoolingLiquid cooledAmbient temperature+ 10°C + 45°CSealing airProtection categoryProtection categoryIP54(sealing air turned on)IP54Taper cleaningPneumatic taper changeTool changePneumatic taper changeTool HolderHSK-E 25Clamping range up to10 mmClockwise and anticlockwise9-pin (SpeedTEC)Weight (without taper)~ 8,8 kgInner taper run out< 1 µ	Housing	Stainless steel/aluminium
International and the complexitionCoolingLiquid cooledAmbient temperature+ 10°C + 45°CSealing airProtection category (sealing air turned on)Protection category (sealing air turned on)IP54Taper cleaningTool changeTool changePneumatic taper changeTool HolderHSK-E 25Clamping range up to10 mmClockwise and anticlockwise9-pin (SpeedTEC)Weight (without taper)~ 8,8 kgInner taper run out< 1 µ	Housing diameter	80 mm
Ambient temperature+ 10°C + 45°CSealing airProtection category (sealing air turned on)IP54Taper cleaningIP54Tool changePneumatic taper changeTool changePneumatic taper changeCoupler plug10 mmCoupler plug9-pin (SpeedTEC)Weight (without taper)~ 8,8 kgInner taper run out< 1 µ	Mount	taper adapter
Sealing air Protection category (sealing air turned on) Taper cleaning Tool change Pneumatic taper change Tool Holder HSK-E 25 Clamping range up to Clockwise and anticlockwise Coupler plug P-pin (SpeedTEC) Weight (without taper) - 8,8 kg Inner taper run out - 1 µ	Cooling	Liquid cooled
Protection category (sealing air turned on)IP54Taper cleaningTool changeTool changePneumatic taper changeTool HolderHSK-E 25Clamping range up to10 mmClockwise and anticlockwise9-pin (SpeedTEC)Weight (without taper)~ 8,8 kgInner taper run out< 1 µ	Ambient temperature	+ 10°C + 45°C
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Clockwise and anticlockwise Coupler plug 9-pin (SpeedTEC) Weight (without taper) ~ 8,8 kg Inner taper run out < 1 µ	Tool Holder	HSK-E 25
anticlockwise Coupler plug 9-pin (SpeedTEC) Weight (without taper) ~ 8,8 kg Inner taper run out < 1 µ	Clamping range up to	10 mm
Weight (without taper)~ 8,8 kgInner taper run out< 1 µ		
Inner taper run out < 1 µ	Coupler plug	9-pin (SpeedTEC)
	Weight (without taper)	~ 8,8 kg
Axial run-out < 1 µ	Inner taper run out	< 1 µ
	Axial run-out	< 1 µ

