

HSC-80-40000-4-HSK

HIGH SPEED CUTTING SPINDLE

Achieve superb functional and visible surfaces with your high speed cutting spindle. Accept no limits to creativity in shape and surface structure of the workpiece. Optimized thermal behavior, vibrationless performance and a highly efficient motor design, guarantee smooth running and better results in milling, engraving and even grinding operations.

DIAMETER	Ø80mm
THE HIGHEST SPEED	40,000rpm
TOOL INTERFACE	HSK E25
BEARING TYPE	Ceramic ball bearing
MAX. FREQUENCY	1333Hz
MOTOR SYSTEM	Asynchronous
THE RATED VOLTAGE	380V
POWER OUTPUT S1 100%	4.0kW
POWER OUTPUT S6 40%	6.0kW
OUTPUT TORQUE S1 100%	1.29N.m
OUTPUT TORQUE S6 40%	1.93N.m
RATED CURRENT S1 100%	8.2A
RATED CURRENT S6 40%	12.3A
AIR SEAL GAS FLOW RATE	50±15L/min(Air pressure 0.15MPa)
COOLING SYSTEM	Water cooling (Recommended)
THE COOLING FLOW RATE	2-3L/min(Water pressure 0.25MPa)
MOTOR TEMPERATURE SENSOR TYPE	KTY or PTC(Optional)
TOOL CHANGE	Air cylinder
TOOL CHANGE AIR PRESSURE	0.55-0.60MPa
VIBRATION VELOCITY	≤0.8mm/s
WEIGHT	8±1kg

High-speed winding power and torque diagram

