

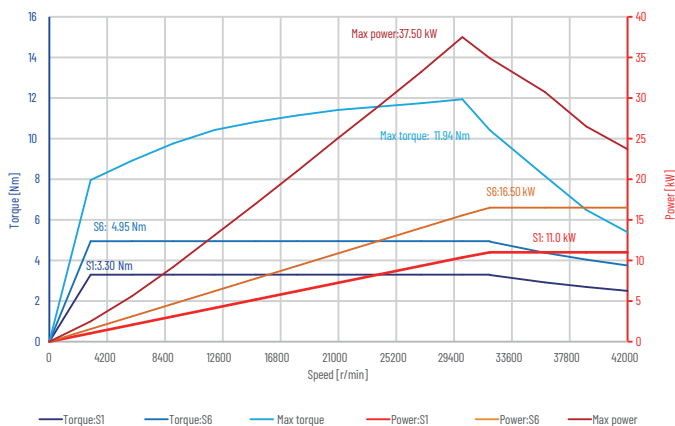
HSC-120-42000-11-HSK

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	Ø120mm
TOOL INTERFACE	HSK E40
BEARING TYPE	Ceramic ball bearing
MOTOR SYSTEM	Asynchronous
(HIGH/LOW SPEED WINDING) THE HIGHEST SPEED	42,000rpm/15,000rpm
(HIGH/LOW SPEED WINDING) MAX. FREQUENCY	1400Hz/500Hz
(HIGH/LOW SPEED WINDING) THE RATED VOLTAGE	380V/220V
(HIGH/LOW SPEED WINDING) POWER OUTPUT S1 100%	11.0kW/6.0kW
(HIGH/LOW SPEED WINDING) POWER OUTPUT S6 40%	16.5kW/9.0kW
(HIGH/LOW SPEED WINDING) OUTPUT TORQUE S1 100%	3.3N.m/7.3N.m
(HIGH/LOW SPEED WINDING) OUTPUT TORQUE S6 40%	5.0N.m/10.9N.m
(HIGH/LOW SPEED WINDING) RATED CURRENT S1 100%	23.5A
(HIGH/LOW SPEED WINDING) RATED CURRENT S6 40%	35.3A
AIR SEAL GAS FLOW RATE	60±20L/min(Air pressure 0.15MPa)
COOLING SYSTEM	Water cooling(Recommended)
THE COOLING FLOW RATE	4-6L/min(Water pressure 0.25MPa)
MOTOR TEMPERATURE SENSOR TYPE	KTY84-130
BEARING LUBRICATION TYPE	Oil and gas
TOOL CHANGE	Air cylinder
TOOL CHANGE AIR PRESSURE	0.55-0.60MPa
VIBRATION VELOCITY	≤0.8mm/s
WEIGHT	27±1kg

High-speed winding power and torque diagram



Low-speed winding power and torque diagram

