

Type	Weight [kg]	Rated output [kW]					
		S6-60%		S 1			
		50 Hz 3,000 rpm	75 Hz 4,500 rpm	100 Hz 6,000 rpm	150 Hz 9,000 rpm	200 Hz 12,000 rpm	300 Hz 18,000 rpm
K 110.24-2 (D)	160.0	25.0	25.0	30.0	35.0	42.0	55.0
K 111.31-2 (D)	177.0	37.0	37.0	45.0	-	-	-
K 112.38-2 (D)	195.0	45.0	45.0	55.0	-	-	-
K 113.50-2 (D)	240.0	55.0	55.0	65.0	-	-	-
K 140.38-2 (D)	360.0	65.0	65.0	80.0	-	-	-
K 141.50-2 (D)	450.0	75.0	80.0	100.0	-	-	-
K 160.50-2 D	625.0	90.0	100.0	-	-	-	-
K 162.60-2 D	750.0	120.0	125.0	-	-	-	-
K 200.50-2 D	840.0	140.0	150.0	-	-	-	-
K 202.60-2 D	900.0	170.0	175.0	-	-	-	-

Main features of specialty motors

- Greater radial and axial run-out precision
- Reinforced bearings compared to standard motors
- Self-cooling by means of integrated fan
- Labyrinth seal
- Balancing at rated speed
- Voltage freely selectable
- Converter operating mode
- Variable speed

Options at a glance

Special shaft, tool mounting

- Cylindrical with / without key with tight rotational tolerance
- Front or exterior threads
- Interior taper (e.g., for holding collets) or exterior taper
- High-precision for radial and axial runout in micron-level quality
- HSK-C for manual tool changes
- HSK-F63 for automatic tool changes
- Saw blade flange
- Hollow shaft for lubricants or purge air

Bearings

- Spindle or hybrid bearing based on speed and precision requirements
- Single or dual bearing on drive/tool side

Shock loads (e.g., by flying saw)

- Housing and bearing shield are welded steel

Balancing

- Balancing at rated speed also for various operating speeds
- Vibration level R or S

Electrical connection

- Choice of terminal box position (looking at shaft end): front, rear, right, left, axial
- Plug instead of terminal box up to rated current $I_N \leq 5$ A possible

Motor protection, thermal

- Winding: PTC, PT 100, bimetal switch, KTY sensor
- Bearing: PTC, PT 100

Winding

- Tropical insulation
- Thermal Class H with thermal utilization based on class F

Protection against environmental influences

- Labyrinth seal in special models
- Sealing air for bearings
- Overpressure in the interior in the event of increased humidity
- Dust protection in accordance with ATEX Zone 22
- Anti-condensation heating
- Increased spray water protection

Add-on parts

- Brake, electromechanical
- Rpm indicator
- Mounting flange according to customer specifications