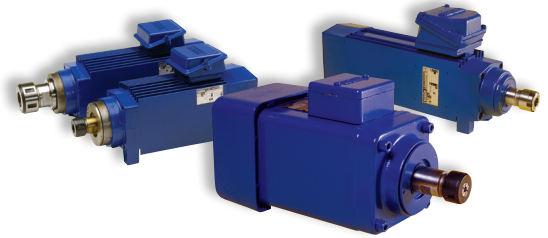




www.crpperske.com

Perske motors make a difference, no matter what you make.



Perske offers a wide selection of standard and non-standard motor configurations with numerous tool holding options (including direct mounting) as well as a range of HP/RPM variants. Perske motors provide extreme precision in design and manufacture allowing for continuous duty rating, high overload capacities, and extended service life. Custom solutions are available in every line of motors — if you don't see what you need, we can make it.

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
- Labrynth seal
- Balancing at rated speed
- Converter operating mode
- Variable speed
- Water cooled available

Applications:

Motors for:	Direct Drives for:
Wood	Atomizers
Plastics	Pumps
Metal	Compressors
Composite Materials	Grinders
Stone	Test Benches

Family	Max kW	Max RPM	Synchronous	ETP	HSK-C	HSK-F	Hydro Chuck	Flange Mount	Saw Flange	Collet	Machined Shaft	Double Bearing	Brake
K20	0.7	30,000	X	X				X	X	X	X		
V30	1	30,000						X	X	X	X		
K35	2	24,000	X					X	X	X	X	X	
V50	3	30,000						X	X	X	X		
K50	5	18,000	X	X	X		X	X	X	X	X	X	X
V60	5	30,000						X	X	X	X		
K60	7	24,000		X	X	X	X	X	X	X	X	X	X
K70	13	18,000		X	X	X	X	X	X	X	X	X	X
K80	25	9,000			X	X	X	X	X		X	X	X
K90	35	9,000						X	X		X	X	X
K110	55	18,000			X			X	X		X	X	X
K140	100	6,000						X	X		X	X	X
K160	125	4,500							X		X	X	
K200	175	4,500							X		X	X	

*** Available power levels are dependent on run speed and specific model
 *** Design options may only be available on a limited speed/power range
 *** Power ranges for synchronous motors are roughly double rated



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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



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