

ES60 LINE

The **ES60 Line** electrospindles are dedicated to horizontal machining centers and designed for milling, boring and threading of aluminum, steel and cast iron.

The **ES60 Line** offers products characterized by ease of use and maintenance to serve specifically the automotive sector.

The electrospindles of this line aim to minimize the inertia of the rotating part, allowing reduced acceleration times (from 0 to 12000 rpm in 0.5 seconds) and supporting millions of tool change cycles with the ultimate goal of maximizing the productivity of our customers.

The **ES60 Line** features synchronous electrospindles using IPM (Internal Permanent Magnet) technology: a State-of-the-art solution that allows the reduction of costs during installation (they do not require inductance).

MATERIALS



LIGHT
ALLOY



CAST IRON
& STEEL

APPLICATIONS



MILLING



DRILLING



TAPPING

TARGET MACHINES



MULTI-SPINDLE
HORIZONTAL
CNC MACHINE



ES6000

Robust / Reliable / High Number of Tool Changes

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MULTI-SPINDLE
HORIZONTAL
CNC MACHINE

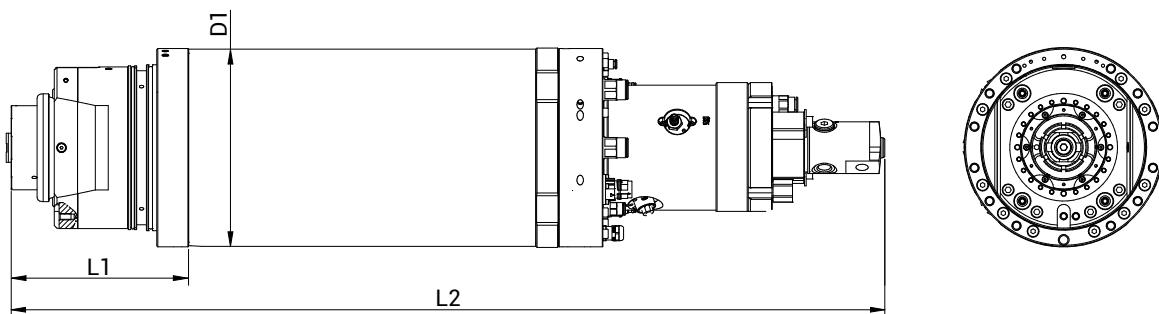
TECHNICAL DATA

ES6000	
37.5kW	
Body dimension [mm]	Ø185
Max speed [rpm]	12.000
Motor type	Synchronous IPM
Torque S1 [Nm]	119 / 143
Power S1 [kW]	37.5 / 45
Tool interface	HSK A80
Cooling	Liquid
Bearings lubrication	Oil
Weight [kg]	95

OPTIONAL

ES6000	
37.5kW	
Coolant through shaft	Yes
Vibration sensor	No
Air Tool	No
Shaft clamping	No
Thermal sensor on front bearings	Yes
Shaft kit	No
Chip Detection System	Yes
Cooling Housing	Yes
Encoder	Yes

DIMENSIONS



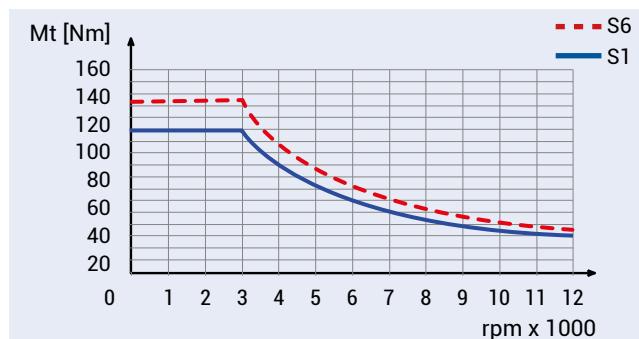
ES6000

37.5kW

D1 (mm)	Ø185
L1 (mm)	164,5
L2 (mm)	810

DIAGRAMS - POWER & TORQUE

ES6000 37.5kW 380V - 400V



ES6000 37.5kW 380V - 400V

