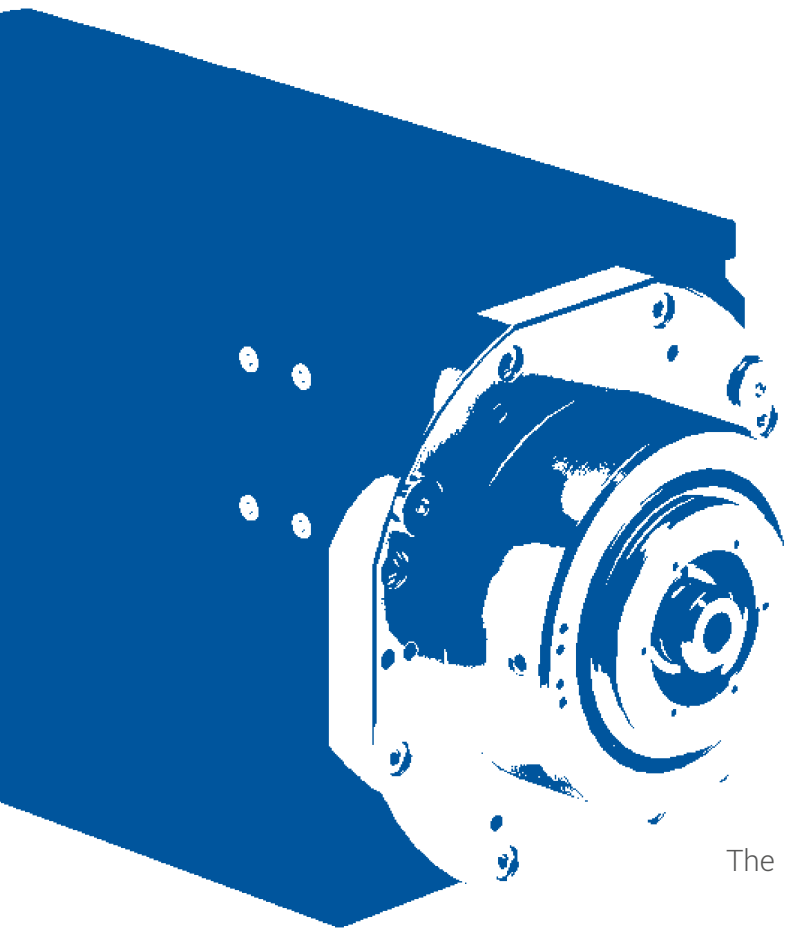




ES7 LINE

The **ES7 Line** includes high-performance electrospindles designed for high-speed machining.

The main feature of this family is by far the versatility that makes them suitable for machining a wide variety of materials, ranging from wood and light alloys to stone and glass. Water-resistant models are available.

They can be used in combination with Milling Heads.

MATERIALS



LIGHT
ALLOY



PLASTIC &
COMPOSITE



WOOD



STONE



GLASS

APPLICATIONS



MILLING



CUTTING



DRILLING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



3/4 AXIS
MACHINE
CENTER



5 AXIS
MACHINE
CENTER



VERTICAL
CNC



ROBOT



ROUTER
CNC



ES748

Robust / High Torque / Water Resistant

MATERIALS



STONE

APPLICATIONS



MILLING



CUTTING



DRILLING



TAPPING

TARGET MACHINES



3 AXIS
MACHINE
CENTER



5 AXIS
MACHINE
CENTER



ROBOT



VERTICAL
CNC

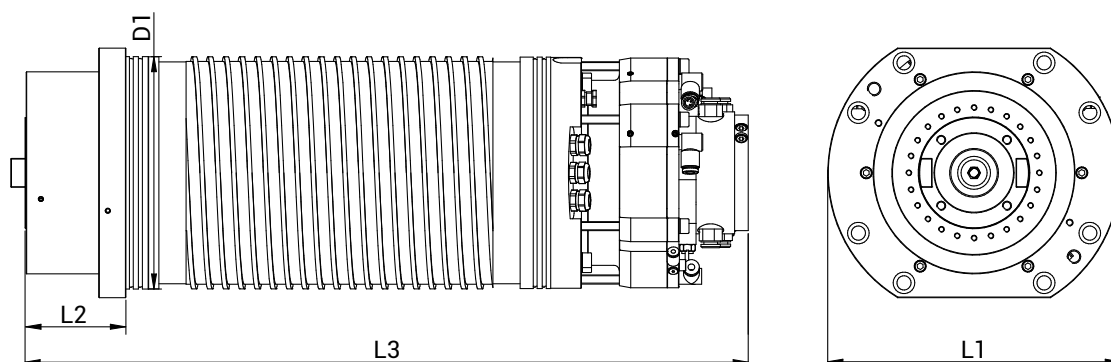
TECHNICAL DATA

	ES748
	20kW
Body dimension [mm]	Ø205
Max speed [rpm]	12.000
Motor type	Asynchronous
Torque S1/S6 (40%) [Nm]	95.5 / 114.5
Power S1/S6 (40%) [kW]	20 / 24
Tool interface	ISO 50
Cooling	Liquid
Bearings lubrication	Grease
Weight [kg]	105

OPTIONAL

	ES748
	20kW
Coolant through shaft	Yes
Air Tool	No
Vibration sensor	No
Elongation sensor	No
Shaft clamping	No
Bearing preload function	No
Shaft kit	No
Aggregate anti-rotation flange	No
Cooling housing	No
Encoder	Yes

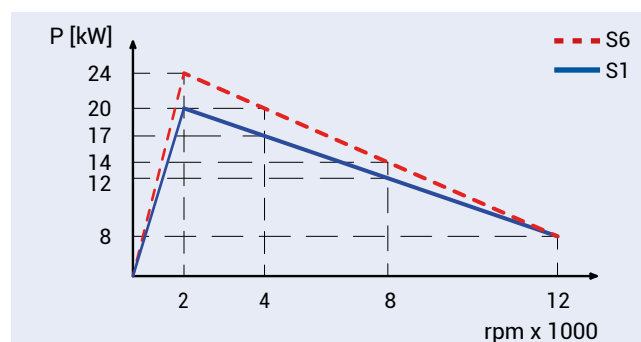
DIMENSIONS



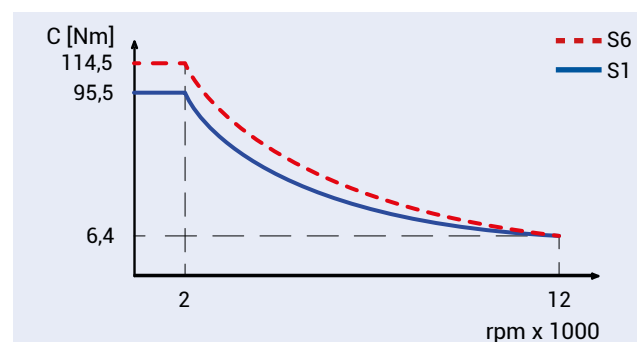
	ES748
	20kW
D1 (mm)	Ø205
L1 (mm)	258
L2 (mm)	109
L3 (mm)	637,5

DIAGRAMS - POWER & TORQUE

ES748 20kW 380V



ES748 20kW 380V





ES750

Robust / High Torque / Water Resistant

MATERIALS



STONE

APPLICATIONS



MILLING



CUTTING



DRILLING



TAPPING

TARGET MACHINES



3 AXIS
MACHINE
CENTER



5 AXIS
MACHINE
CENTER



ROBOT



VERTICAL
CNC

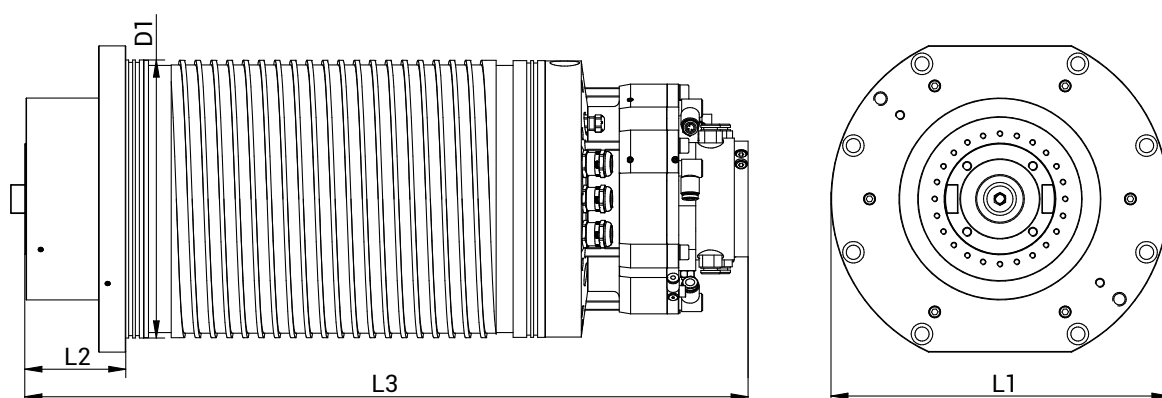
TECHNICAL DATA

	ES750
	30kW
Body dimension [mm]	Ø245
Max speed [rpm]	10.000
Motor type	Asynchronous
Torque S1/S6 (40%) [Nm]	224 / 270
Power S1/S6 (40%) [kW]	30 / 36
Tool interface	ISO 50 / HSK-B100
Cooling	Liquid
Bearings lubrication	Grease
Weight [kg]	150

OPTIONAL

	ES750
	30kW
Coolant through shaft	Yes
Air Tool	No
Vibration sensor	No
Elongation sensor	No
Shaft clamping	No
Bearing preload function	No
Shaft kit	No
Aggregate anti-rotation flange	No
Cooling housing	No
Encoder	Yes

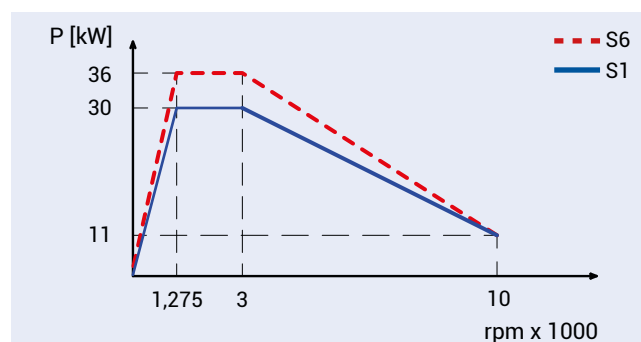
DIMENSIONS



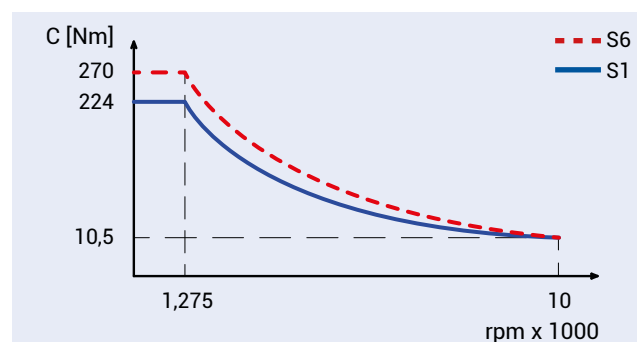
	ES750
	30kW
D1 (mm)	Ø245
L1 (mm)	298
L2 (mm)	105
L3 (mm)	637,5

DIAGRAMS - POWER & TORQUE

ES750 30kW 380V



ES750 30kW 380V





ES779

Compact / Precise / Customizable

MATERIALS



LIGHT
ALLOY



PLASTIC &
COMPOSITE



WOOD

APPLICATIONS



MILLING



CUTTING

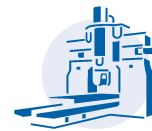


DRILLING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



3/4 AXIS
MACHINE
CENTER



5 AXIS
MACHINE
CENTER



VERTICAL
CNC



ROBOT



ROUTER
CNC

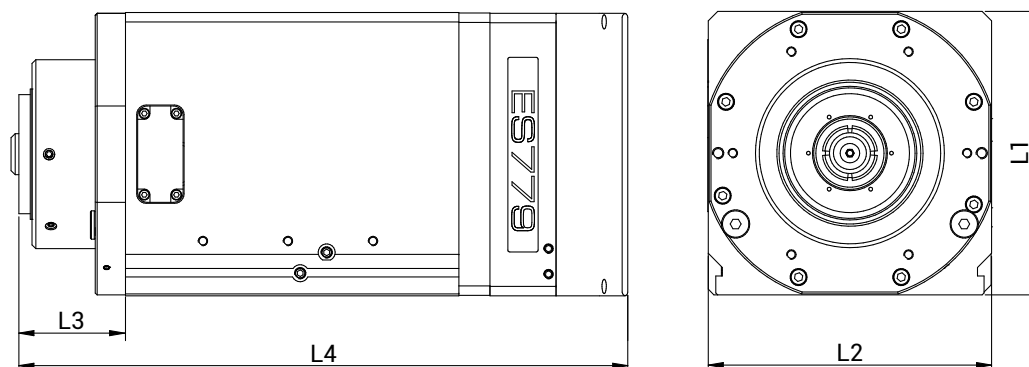
TECHNICAL DATA

	ES779 10kW	ES779 10kW	ES779 15kW	ES779 15kW	ES779 22kW
Body dimension [mm]	150x150	150x150	150x150	150x150	150x150
Max speed [rpm]	24.000	18.000	24.000	18.000	24.000
Motor type	Asynchronous	Asynchronous	Asynchronous	Asynchronous	Synchronous
Torque S1/S6 (40%) [Nm]	12.7 / 15.3	12.7 / 15.3	11.9 / 14.3	11.9 / 14.3	20 / 22.6
Power S1/S6 (40%) [kW]	10 / 12	10 / 12	15 / 18	15 / 18	22 / 25
Tool interface	HSK F63	HSK A63 / E63	HSK F63	HSK A63 / E63	HSK F63 / A63 / E63
Cooling	Liquid	Liquid	Liquid	Liquid	Liquid
Bearings lubrication	Grease	Grease	Grease	Grease	Grease
Weight [kg]	26	31	26	31	31

OPTIONAL

	ES779 10kW	ES779 10kW	ES779 15kW	ES779 15kW	ES779 22kW
Coolant through shaft	Yes	Yes	Yes	Yes	Yes
Air Tool	No	No	No	No	No
Vibration sensor	No	No	No	No	No
Elongation sensor	No	No	No	No	No
Shaft clamping	No	No	No	No	No
Bearing preload function	No	No	No	No	No
Shaft kit	Yes	Yes	Yes	Yes	No
Aggregate anti-rotation flange	Yes	Yes	Yes	Yes	Yes
Encoder	Yes	Yes	Yes	Yes	Yes

DIMENSIONS

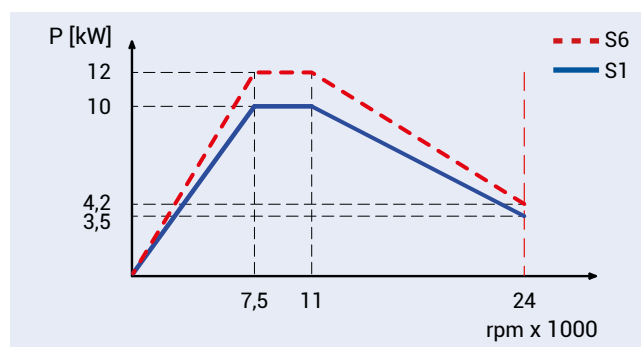
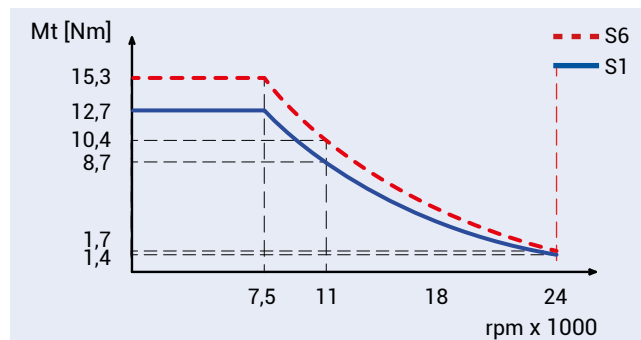


	ES779 10kW - 24.000 rpm	ES779 10kW - 18.000 rpm	ES779 15kW - 24.000 rpm	ES779 15kW - 18.000 rpm	ES779 22kW - 24.000 rpm
L1 (mm)	150 / 225 ⁽¹⁾	150 / 225 ⁽¹⁾	150 / 225 ⁽¹⁾	150 / 225 ⁽¹⁾	150
L2 (mm)	150	150	150	150	150
L3 (mm)	56.4 / 106.4 ⁽²⁾	122	56.4 / 106.4 ⁽²⁾	122	86.4 ⁽³⁾
L4 (mm)	322 / 372.3 ⁽²⁾	388	322 / 388 ⁽²⁾	388	352 ⁽³⁾ / 401 ⁽⁴⁾

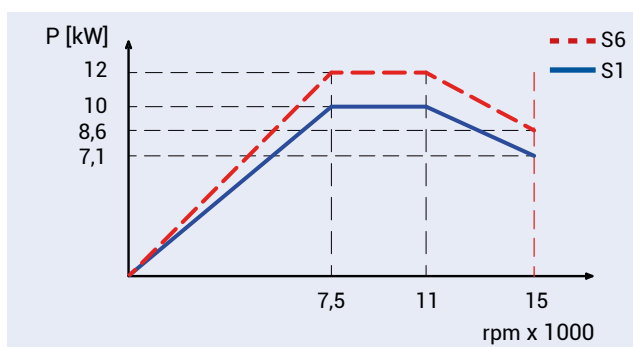
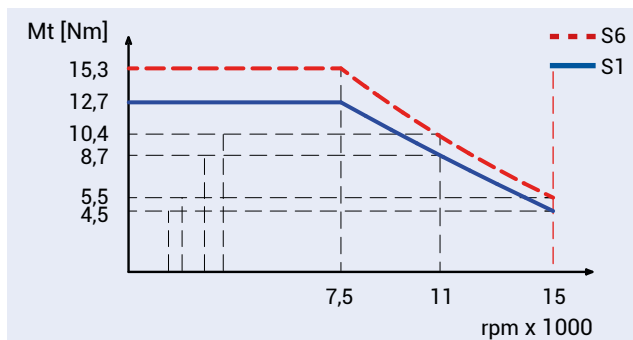
(1) With Fixed Electrical Connectors Box - (2) Long Flange - (3) Intermediate Flange - (4) With Rotary Joint - (5) With cable and connectors
 (6) Mechanical Fixing Mono Side (Holes)

DIAGRAMS - POWER & TORQUE

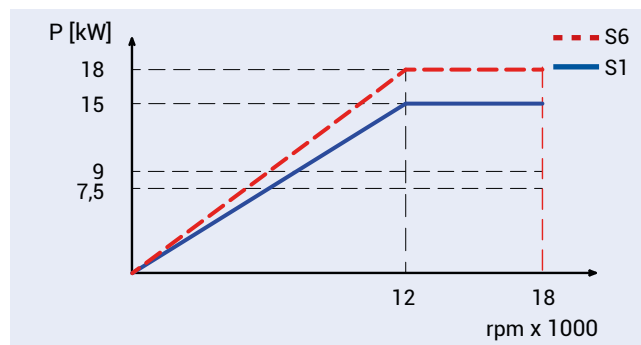
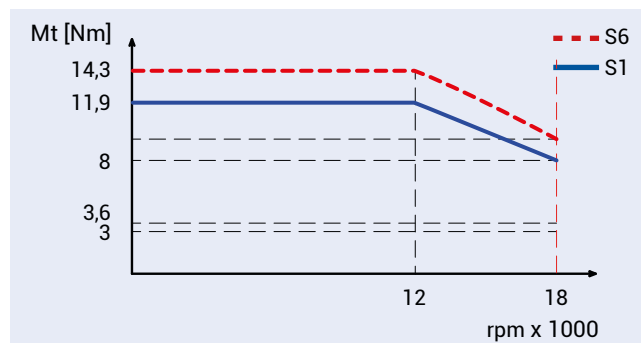
ES779 10kW HT - 24.000 rpm 380V - 220/380V



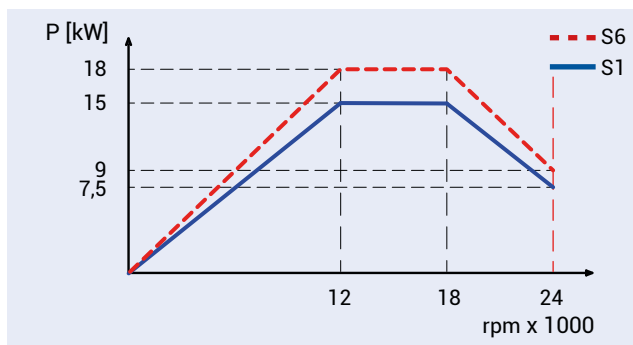
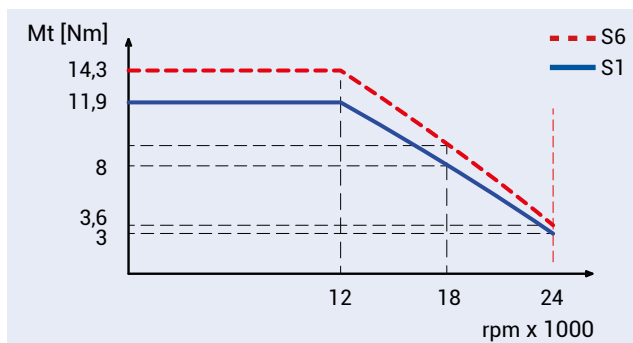
ES779 10kW - 15.000 rpm 380V - 220/380V



ES779 15kW - 18.000 rpm 380V

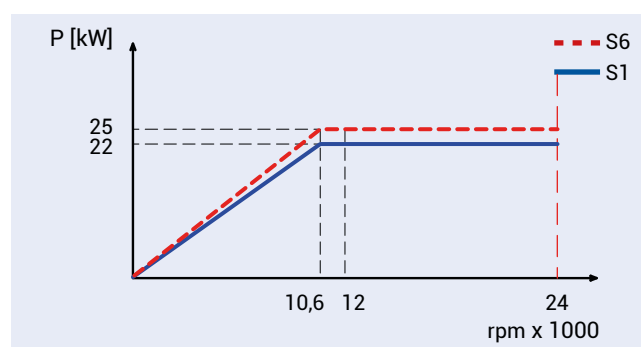
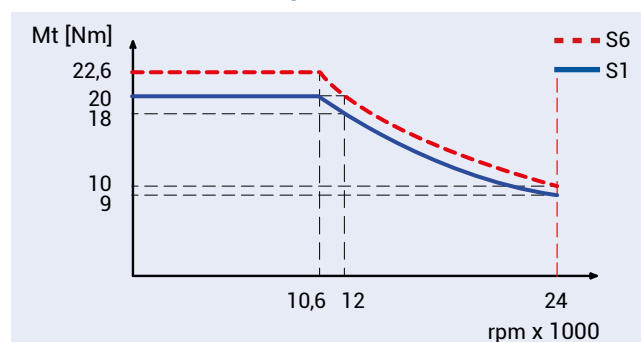


ES779 15kW - 24.000 rpm 380V



DIAGRAMS - POWER & TORQUE

ES779 22kW - 24.000 rpm 380V





ES789

Compact / Precise / Customizable

MATERIALS



LIGHT
ALLOY



PLASTIC &
COMPOSITE



WOOD

APPLICATIONS



MILLING



CUTTING



DRILLING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



3/4 AXIS
MACHINE
CENTER



5 AXIS
MACHINE
CENTER



VERTICAL
CNC



ROBOT



ROUTER
CNC

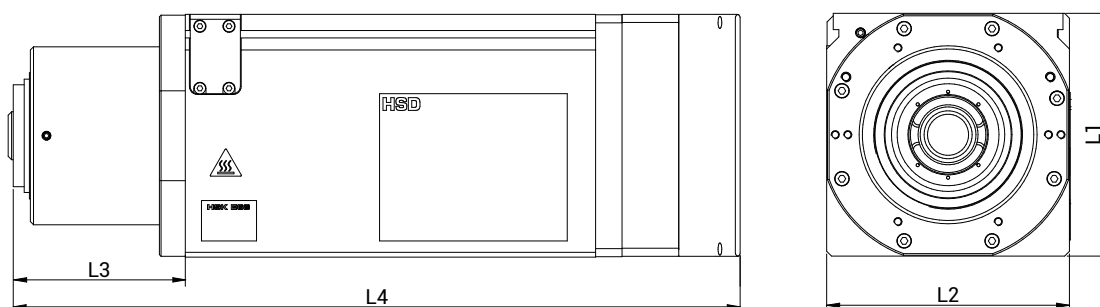
TECHNICAL DATA

	ES789 15kW	ES789 15kW HT	ES789 25kW
Body dimension [mm]	150x150	150x150	150x150
Max speed [rpm]	24.000	24.000	24.000
Motor type	Asynchronous	Asynchronous	Asynchronous
Torque S1/S6 (40%) [Nm]	12 / 14.3	19.1 / 22.9	23.9 / 28.6
Power S1/S6 (40%) [kW]	15 / 18	15 / 18	25 / 30
Tool interface	HSK F63 / A63 / E63	HSK F63 / A63 / E63	HSK F63 / A63 / E63
Cooling	Liquid	Liquid	Liquid
Bearings lubrication	Grease	Grease	Grease
Weight [kg]	40	40	40

OPTIONAL

	ES789 15kW	ES789 15kW HT	ES789 25kW
Coolant through shaft	Yes	Yes	Yes
Air Tool	No	No	No
Vibration sensor	No	No	No
Elongation sensor	No	No	No
Shaft clamping	No	No	No
Bearing preload function	No	No	No
Shaft kit	Yes	Yes	Yes
Aggregate anti-rotation flange	Yes	Yes	Yes
Encoder	Yes	Yes	Yes

DIMENSIONS

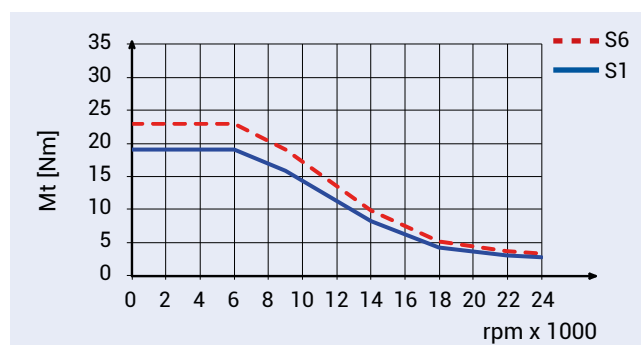
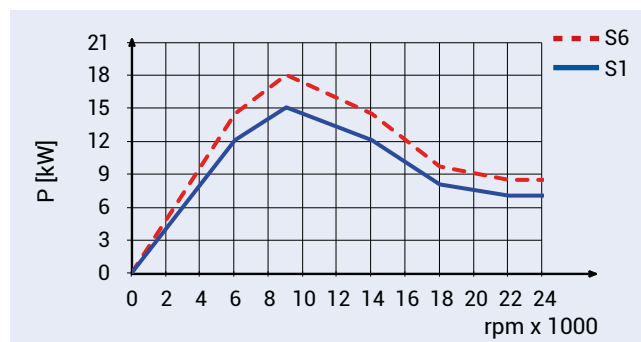


	ES789 15kW	ES789 15kW HT	ES789 25kW
L1 (mm)	150 / 225 ⁽¹⁾	150 / 225 ⁽¹⁾	150 / 225 ⁽¹⁾ / 234 ⁽⁵⁾
L2 (mm)	150	150	150
L3 (mm)	106,4	106,4	106,4
L4 (mm)	450 / 570 ⁽⁴⁾	450 / 570 ⁽⁴⁾	450 / 570 ⁽⁴⁾

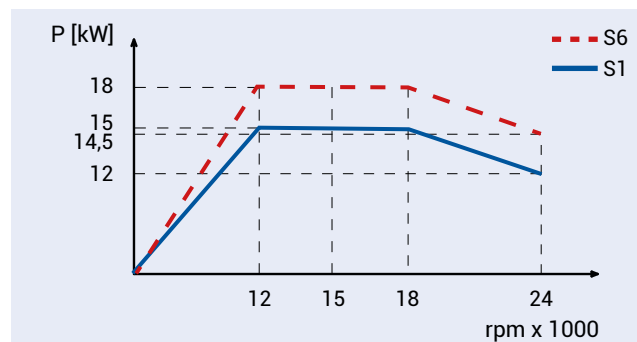
(1) With Fixed Electrical Connectors Box - (2) Long Flange - (3) Intermediate Flange - (4) With Rotary Joint - (5) With cable and connectors
 (6) Mechanical Fixing Mono Side (Holes)

DIAGRAMS - POWER & TORQUE

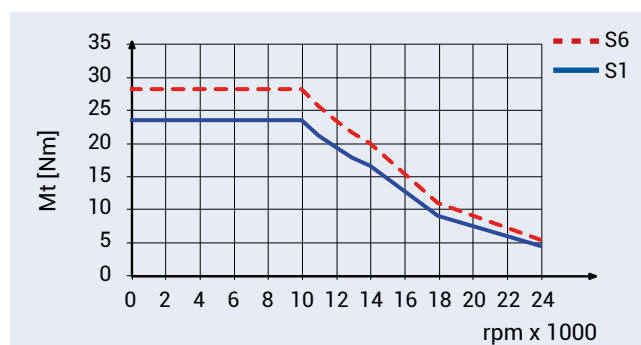
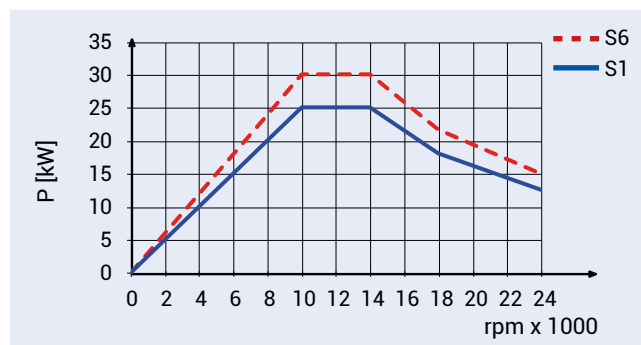
ES789 15kW HT 380V



ES789 15kW 380V - 220/380V



ES789 25kW 380V





ES793

Flexible / Robust

MATERIALS



LIGHT
ALLOY



STONE



GLASS

APPLICATIONS



MILLING



CUTTING



DRILLING



TAPPING

TARGET MACHINES



3 AXIS
MACHINE
CENTER



5 AXIS
MACHINE
CENTER



ROBOT



VERTICAL
CNC

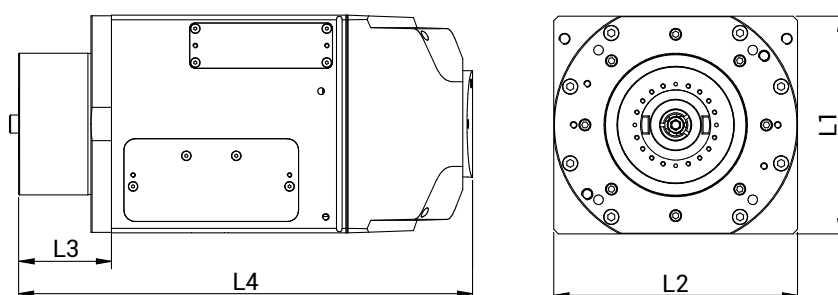
TECHNICAL DATA

	ES793 15kW - 12.000 rpm	ES793 15kW - 18.000 rpm
Body dimension [mm]	192x215	192x215
Max speed [rpm]	12.000	18.000
Motor type	Asynchronous	Asynchronous
Torque S1/S6 (40%) [Nm]	31,8 / 38,2	28,7 / 34,4
Power S1/S6 (40%) [kW]	15 / 18	15 / 18
Tool interface	ISO 40	HSK A63 / E63
Cooling	Liquid	Liquid
Bearings lubrication	Grease	Grease
Weight [kg]	42	42

OPTIONAL

	ES793 15kW	ES793 15kW
Coolant through shaft	Yes	Yes
Air Tool	No	No
Vibration sensor	No	No
Elongation sensor	No	No
Shaft clamping	No	No
Bearing preload function	No	No
Shaft kit	No	No
Aggregate anti-rotation flange	No	No
Encoder	Yes	Yes

DIMENSIONS

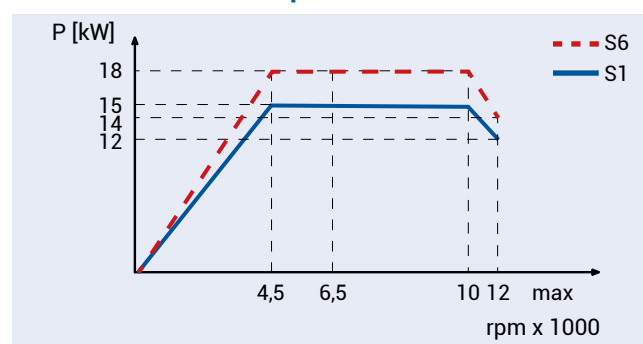


	ES793 15kW - 12.000 rpm	ES793 15kW - 18.000 rpm
L1 (mm)	192 / 258 ⁽¹⁾	192 / 258 ⁽¹⁾
L2 (mm)	215	215
L3 (mm)	83	83
L4 (mm)	400	395

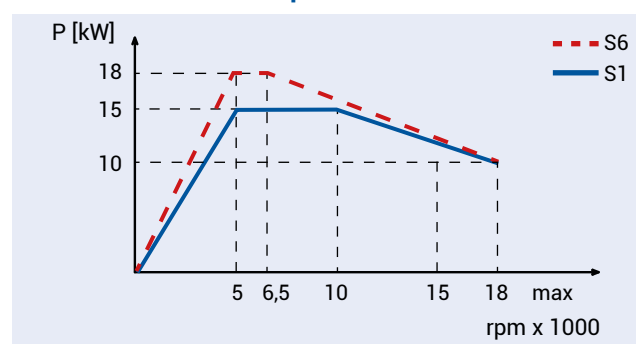
(1) With Fixed Electrical Connectors Box - (2) Long Flange - (3) Intermediate Flange - (4) With Rotary Joint - (5) With cable and connectors
 (6) Mechanical Fixing Mono Side (Holes)

DIAGRAMS - POWER & TORQUE

ES793 15kW - 12.000 rpm 380V



ES793 15kW - 18.000 rpm 380V





ES794

Flexible / Water resistant / Reliable

MATERIALS



STONE



GLASS

APPLICATIONS



MILLING



CUTTING

TARGET MACHINES



3 AXIS
MACHINE
CENTER



5 AXIS
MACHINE
CENTER



ROBOT



VERTICAL
CNC

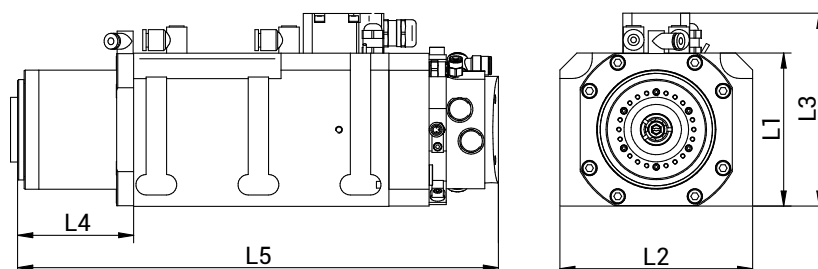
TECHNICAL DATA

	ES794 6kW	ES794 14kW
Body dimension [mm]	135x170	135x170
Max speed [rpm]	12.000	12.000
Motor type	Asynchronous	Synchronous
Torque S1/S6 (40%) [Nm]	9.5 / 11.4	11.1 / 13.1
Power S1/S6 (40%) [kW]	6 / 7.2	14 / 16.5
Tool interface	ISO 40	ISO 40
Cooling	Liquid	Liquid
Bearings lubrication	Grease	Grease
Weight [kg]	35	35

OPTIONAL

	ES794 6kW	ES794 14kW
Coolant through shaft	Yes	Yes
Air Tool	No	No
Vibration sensor	No	No
Elongation sensor	No	No
Shaft clamping	No	No
Bearing preload function	No	No
Shaft kit	No	No
Aggregate anti-rotation flange	No	No
Encoder	Yes	Yes

DIMENSIONS

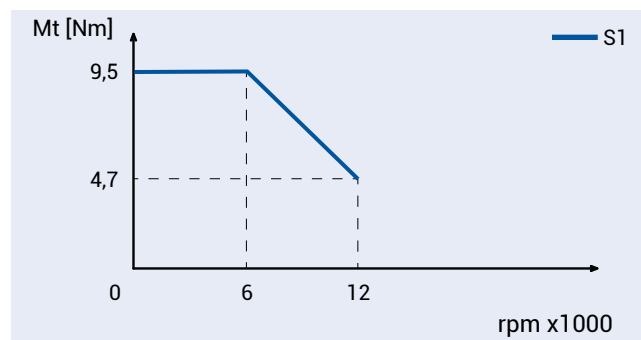
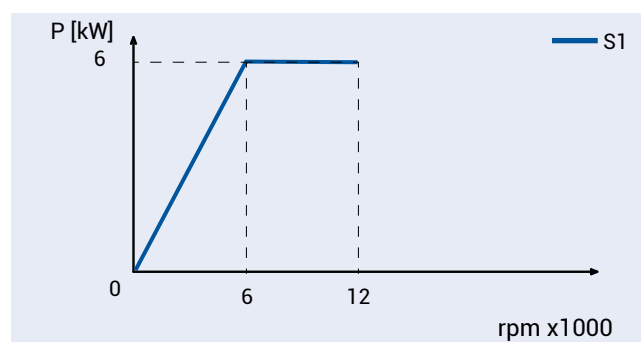


	ES794 6kW	ES794 14kW
L1 (mm)	135	135
L2 (mm)	170	170
L3 (mm)	170	170
L4 (mm)	108.5 / 195.5 ⁽²⁾	195.5
L5 (mm)	430 / 517 ⁽²⁾	517

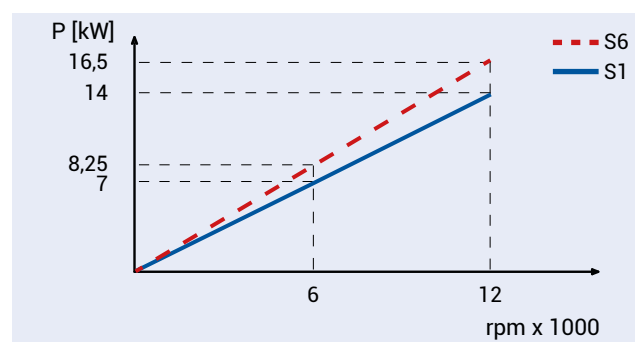
(1) With Fixed Electrical Connectors Box - (2) Long Flange - (3) Intermediate Flange - (4) With Rotary Joint - (5) With cable and connectors
(6) Mechanical Fixing Mono Side (Holes)

DIAGRAMS - POWER & TORQUE

ES794 6kW 380V



ES794 14kW 380V





ES796

Flexible / Robust / Water Resistant

MATERIALS



STONE



GLASS

APPLICATIONS



MILLING



CUTTING

TARGET MACHINES



3 AXIS
MACHINE
CENTER



5 AXIS
MACHINE
CENTER



ROBOT



VERTICAL
CNC

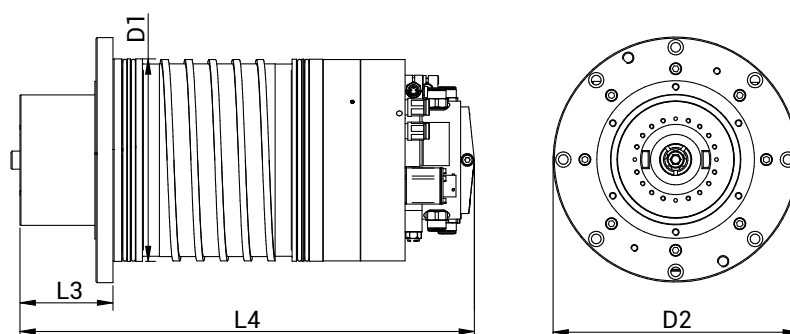
TECHNICAL DATA

	ES796
	15kW
Body dimension [mm]	Ø178,5
Max speed [rpm]	12.000
Motor type	Asynchronous
Torque S1/S6 (40%) [Nm]	31.8 / 38.2
Power S1/S6 (40%) [kW]	15 / 18
Tool interface	ISO 40
Cooling	Liquid
Bearings lubrication	Grease
Weight [kg]	35

OPTIONAL

	ES796
	15kW
Coolant through shaft	Yes
Air Tool	No
Vibration sensor	No
Elongation sensor	No
Shaft clamping	No
Bearing preload function	No
Shaft kit	No
Aggregate anti-rotation flange	No
Cooling housing	Yes
Encoder	Yes

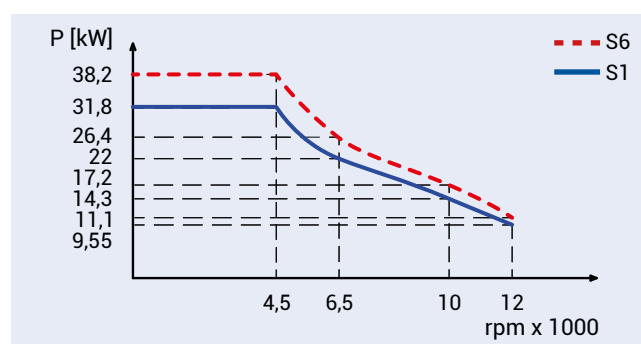
DIMENSIONS



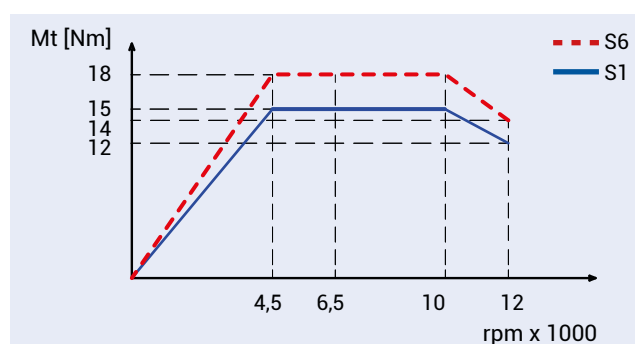
	ES796
	15kW
D1 (mm)	Ø178,5
D2 (mm)	Ø216
L3 (mm)	81,9
L4 (mm)	400

DIAGRAMS - POWER & TORQUE

ES796 15kW 380V



ES796 15kW 380V





ES798

Flexible / Robust / Reliable

MATERIALS



LIGHT
ALLOY



PLASTIC &
COMPOSITE



WOOD

APPLICATIONS



MILLING



CUTTING

TARGET MACHINES



3 AXIS
MACHINE
CENTER



5 AXIS
MACHINE
CENTER



ROBOT



VERTICAL
CNC

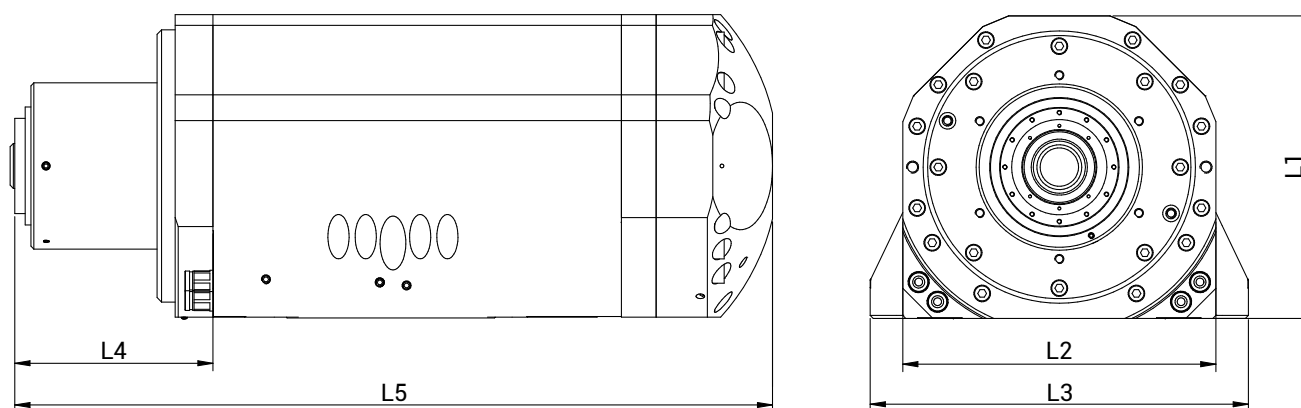
TECHNICAL DATA

	ES798
	22kW
Body dimension [mm]	207x200
Max speed [rpm]	20.000
Motor type	Asynchronous
Torque S1/S6 (40%) [Nm]	28 / 32
Power S1/S6 (40%) [kW]	22 / 25
Tool interface	HSK E63 / HSK A63
Cooling	Liquid
Bearings lubrication	Grease
Weight [kg]	73,5

OPTIONAL

	ES798
	22kW
Coolant through shaft	Yes
Air Tool	No
Vibration sensor	No
Elongation sensor	No
Shaft clamping	No
Bearing preload function	No
Shaft kit	No
Aggregate anti-rotation flange	No
Cooling housing	Yes
Encoder	Yes

DIMENSIONS



	ES798
	22kW
L1 (mm)	200
L2 (mm)	207
L3 (mm)	178 / 250 ⁽⁶⁾
L4 (mm)	106
L5 (mm)	500

(1) With Fixed Electrical Connectors Box - (2) Long Flange - (3) Intermediate Flange - (4) With Rotary Joint - (5) With cable and connectors
(6) Mechanical Fixing Mono Side (Holes)

DIAGRAMS - POWER & TORQUE

ES793 15kW - 12.000 rpm 380V

