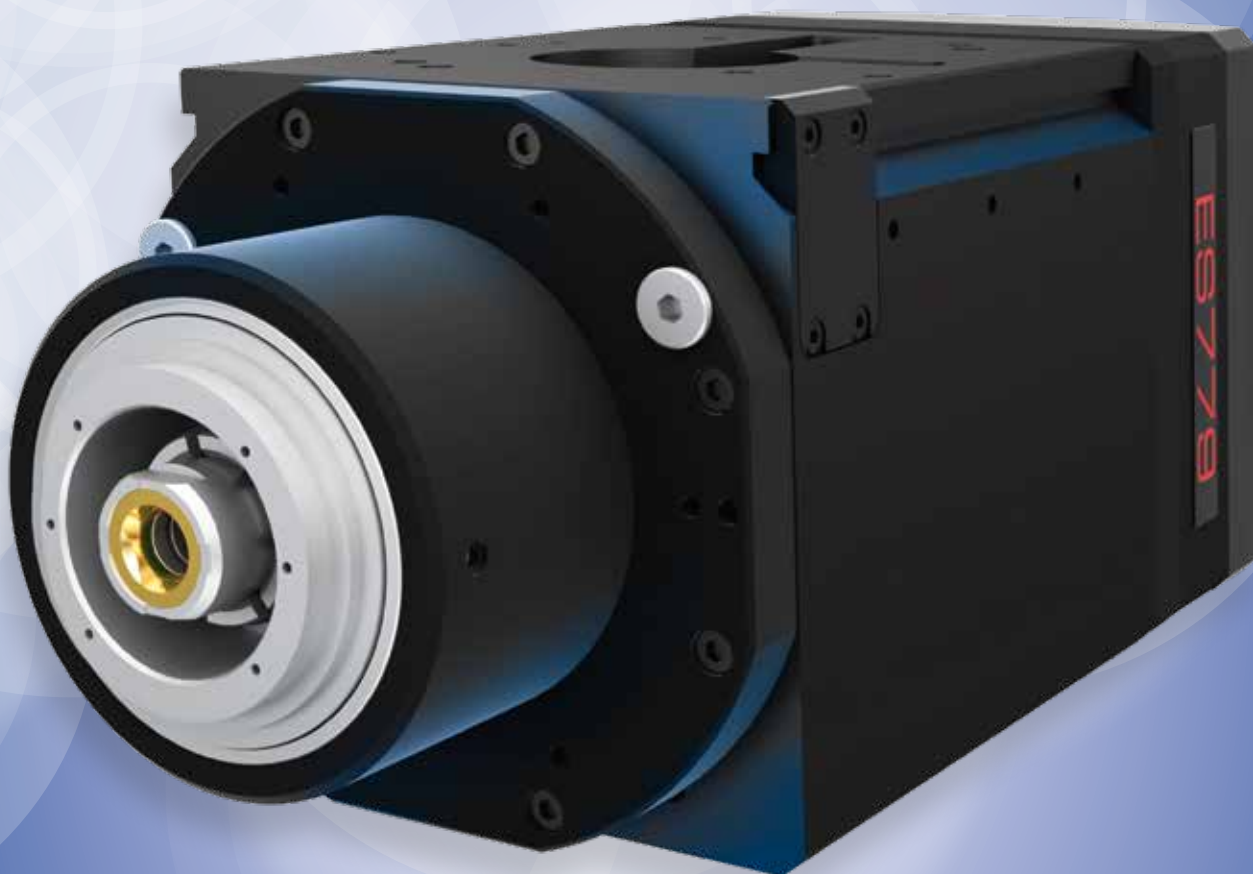




Elettromandrini per 3&5 Assi e Applicazioni su Robot
Electrospindles for 3&5 Axis and Robotic Integrations

MORE VALUE FOR YOUR MACHINE.

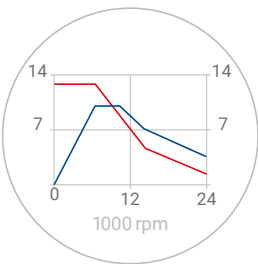
HSD[®]
MECHATRONICS


Serie 700
Range 700

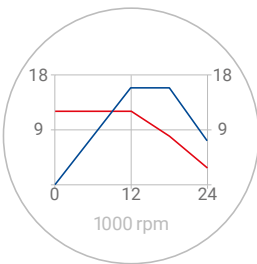


ELETTROMANDRINI ELECTROSPINDLES		ES779 HSK F63/E63	ES779 HSK F63/A63/E63	ES779 HSK F63/A63/E63
Potenza S1/S6 Power S1/S6	kW	10/12kW	15/18kW	22/25kW
Coppia S1/S6 Torque S1/S6	Nm	12,7/15,3Nm	11,9/14,3Nm	20/22,6Nm
Tecnologia Motore Motor Technology		Asynchronous	Asynchronous	Synchronous
Sbloccaggio Utensile Tool Release		Pneumatic	Pneumatic	Pneumatic
Tensione Nominale Rated Voltage	V	220/380V or 380V	380V	491V
Opzione Encoder Option Encoder		LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL
Poli Poles		4Poles	4Poles	6Poles
Cuscinetti Anter./ Posteriori Front/ Rear Bearings		Ceramics	Ceramics	Ceramics
Lubrificazione Cuscinetti Bearings Lubrication		Grease	Grease	Grease
Frequenza Massima Max Frequency	Hz	500/800Hz	600/800Hz	1200Hz
Velocità Massima Max Speed	rpm	15000rpm (E63) 24000rpm (F63)	18000rpm (A63/E63) 24000rpm (F63)	24000rpm
Velocità Nominale Rated Speed	rpm	7500rpm	12000rpm	10600rpm
Peso Weight	Kg	~26/~31Kg	~26/~31Kg	~31Kg
Opzione distributore Option Coolant Through Shaft		-	High Pressure	High Pressure
Raffreddamento Cooling		Liquid	Liquid	Liquid

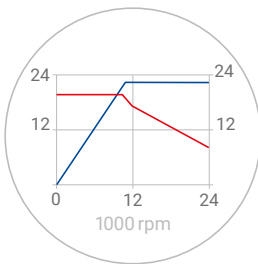
ES789 HSK F63/A63/E63	ES793 HSK A63	ES793 ISO40	ES789 HSK F63/A63/E63
15/18kW	15/18kW	15/18kW	25/30kW
19,1/20,9Nm	28,7/34,4Nm	31,8/38,2Nm	23,9/28,6Nm
Asynchronous	Asynchronous	Asynchronous	Asynchronous
Pneumatic	Pneumatic	Pneumatic	Pneumatic
220/380V or 380V	380V	380V	380V
LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB1 Vpp or TTL	LB 1 Vpp
4Poles	6Poles	6Poles	4Poles
Ceramics or Ceramic/Steel	Ceramics or Ceramic/Steel	Ceramic/Steel	Ceramics
Grease	Grease	Grease	Grease
600/800Hz	900Hz	600Hz	800Hz
15000rpm (A63/E63) 18000rpm (A63) 24000rpm (F63)	18000rpm	12000rpm	24000rpm
9000rpm	5000rpm	4500rpm	10000rpm
~36Kg	~42Kg	~57Kg	~36Kg
High pressure	High Pressure	High Pressure	High pressure
Liquid	Liquid	Liquid	Liquid



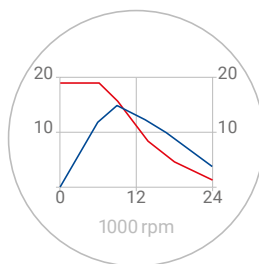
— [kW] S1
— [Nm] S1



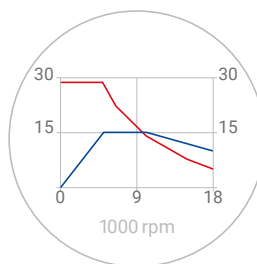
— [kW] S1
— [Nm] S1



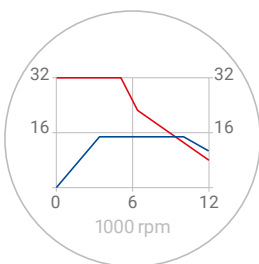
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— [Nm] S1



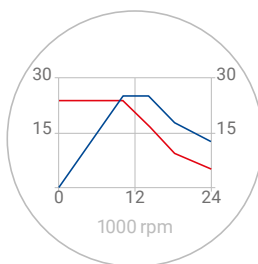
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— [Nm] S1



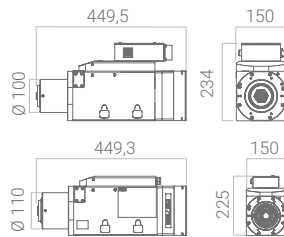
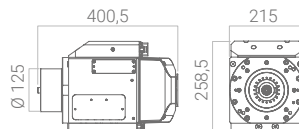
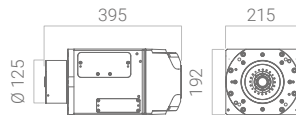
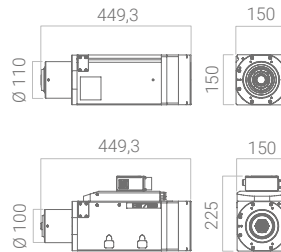
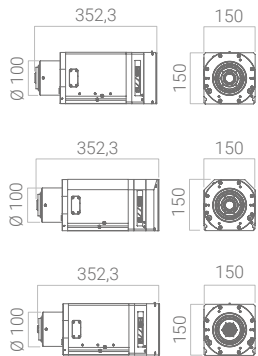
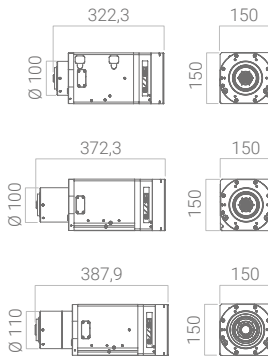
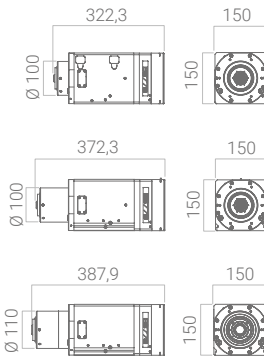
— [kW] S1
— [Nm] S1



— [kW] S1
— [Nm] S1



— [kW] S1
— [Nm] S1



Serie ES300 & ES800
Range ES300 & ES800



ELETTROMANDRINI
ELECTROSPINDLES

Potenza S1/S6
Power S1/S6

kW

2/2,4kW

4/4,8kW

6,5/7,5kW

6,5/8kW

6,5/7,8kW

7/8,7kW

8/9kW

Coppia S1/S6
Torque S1/S6

Nm

0,8/1Nm

2,1/2,6Nm

5,2/6Nm

5,2/6,4Nm

3,4/4,1Nm

5,6/6,9Nm

6,4/7,2Nm

Tecnologia Motore
Motor Technology

Asynchronous

Asynchronous

Asynchronous

Asynchronous

Asynchronous

Asynchronous

Asynchronous

Sbloccaggio Utensile
Tool Release

Pneumatic

Pneumatic

Pneumatic

Pneumatic

Pneumatic

Pneumatic

Pneumatic

Tensione Nominale
Rated Voltage

V

380V

380V

220/380V or 380V

380V

380V

380V

380V

Opzione Encoder
Option Encoder

-

-

LB 1 Vpp or TTL

-

-

LB 1 Vpp or TTL

LB 1 Vpp or TTL

Poli
Poles

2Poles

4Poles

4Poles

4Poles

4Poles

6Poles

4Poles

Cuscinetti Anter./ Posteriori
Front/ Rear Bearings

Ceramics or Kronidur

Ceramics or Kronidur

Ceramics or Kronidur

Ceramics

Ceramics

Ceramic/Steel

Ceramics

Lubrificazione Cuscinetti
Bearings Lubrication

Grease

Grease

Grease

Grease

Grease

Grease

Grease

Frequenza Massima
Max Frequency

Hz

667/833Hz

1333/1667Hz

1200/1334Hz

1200Hz

1200Hz

1000Hz

1000/1200Hz

Velocità Massima
Max Speed

rpm

40000 or 50000rpm

40000 or 50000rpm

36000rpm (E40)
40000rpm (E32)

36000rpm

36000rpm

20000rpm

30000rpm (HSK-E40)
36000rpm (HSK-E40/F50)

Velocità Nominale
Rated Speed

rpm

24000rpm

18000rpm

12000rpm

12000rpm

18000rpm

12000rpm

12000rpm

Peso
Weight

Kg

~7Kg

~9,5Kg

~20Kg

~14Kg

~20Kg

~20Kg

~14Kg

Raffreddamento
Cooling

Liquid

Liquid

Liquid

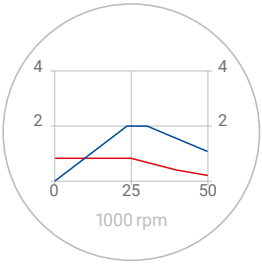
Liquid

Liquid

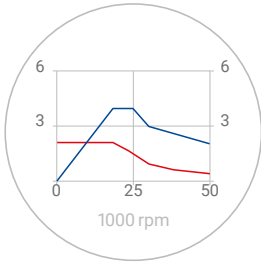
Liquid

Liquid

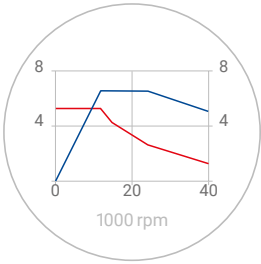
DISCOVER MORE



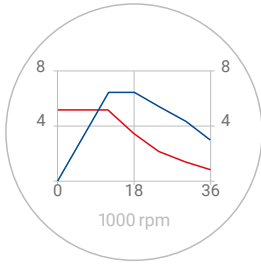
— [kW] S1
— [Nm] S1



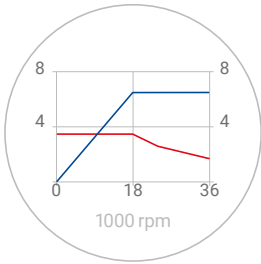
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— [Nm] S1



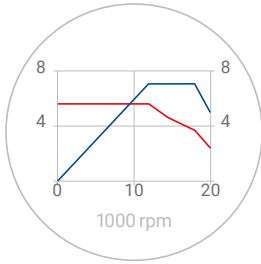
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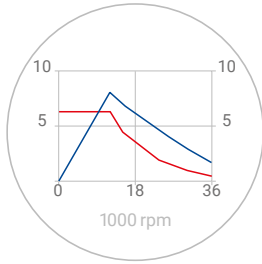
— [kW] S1
— [Nm] S1



— [kW] S1
— [Nm] S1

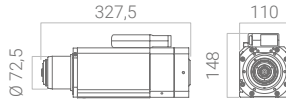
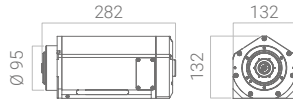
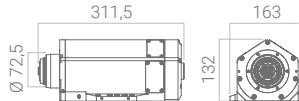
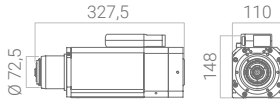
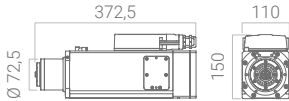
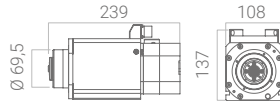
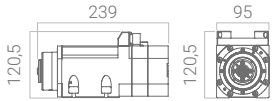


— [kW] S1
— [Nm] S1



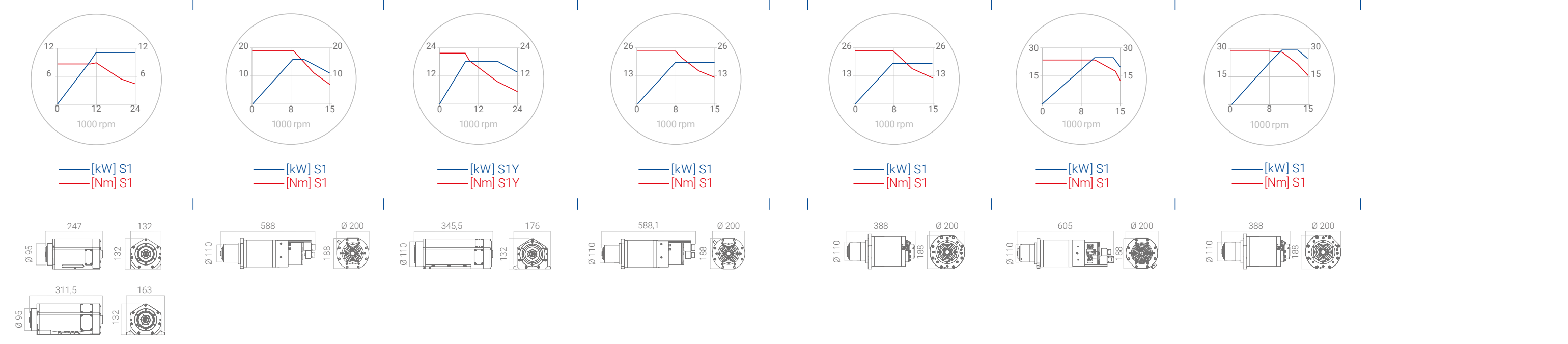
— [kW] S1
— [Nm] S1

Technical data and illustrations are not binding and, for the sake of continual improvement of its products, HSD Mechatronics reserves the right to make modifications without prior notice





ES368 HSK F63	ES884 HSK E63/F80	ES367 HSK F63	ES884 HSK E63/F80	ES883 HSK E63	ES884 HSK E63	ES883 HSK E63	ELETTROMANDRINI ELECTROSPINDLES
11/13kW	16/18kW	18/21,6kW	19/22,8kW	19/22,8kW	25/30kW	29,3/35,2kW	kW Potenza S1/S6 Power S1/S6
8,7/10,3Nm	19/21,5Nm	21,5/25,8Nm	24,2/29Nm	24,8/29,8Nm	23,9/28,6Nm	28,6/34,4Nm	Nm Coppia S1/S6 Torque S1/S6
Synchronous	Asynchronous	Synchronous	Asynchronous	Asynchronous	Asynchronous	Asynchronous	Tecnologia Motore Motor Technology
Pneumatic	Pneumatic	Pneumatic	Pneumatic	Hydraulic	Pneumatic	Hydraulic	Sbloccaggio Utensile Tool Release
380V	380V	380V	380V	380V	380V	380V	V Tensione Nominale Rated Voltage
LB 1 Vpp or TTL	-	-	-	-	-	-	Opzione Encoder Option Encoder
6Poles	4Poles	6Poles	4Poles	6Poles	4Poles	6Poles	Poli Poles
Ceramic/Steel	Ceramic/Steel	Ceramics	Ceramic/Steel	Ceramics	Ceramic/Steel	Ceramics	Cuscinetti Anter./ Posteriori Front/ Rear Bearings
Grease	Grease	Grease	Grease	Grease	Grease	Grease	Lubrificazione Cuscinetti Bearings Lubrication
1000Hz	400/500Hz	1200Hz	500Hz	750Hz	500Hz	750Hz	Hz Frequenza Massima Max Frequency
20000rpm (Ceramic/Steel) 24000rpm (Ceramics)	12000rpm (HSK-F80) or 15000rpm (HSK-E63)	24000rpm	12000rpm (HSK-F80) or 15000rpm (HSK-E63)	15000rpm	15000rpm	15000rpm	rpm Velocità Massima Max Speed
12000rpm	8000rpm	8000rpm	7500rpm	7300rpm	10000rpm	10000rpm	rpm Velocità Nominale Rated Speed
~20Kg	~57Kg	~25Kg	~57Kg	~33Kg	~57Kg	~33Kg	Kg Peso Weight
Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Raffreddamento Cooling



Elettromandrini per 3&5 Assi e Applicazioni su Robot
Electrospindles for 3&5 Axis and Robotic Integrations



**AEROSPACE
AUTOMOTIVE
CONSUMER ELECTRONICS
ROBOTICS
FURNITURE
BUILDINGS.**