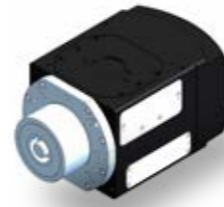


Elettromandrini per 3&5 Assi e Applicazioni su Robot  
Electrospindles for 3&5 Axis and Robotic Integrations

**MORE VALUE FOR YOUR MACHINE.**

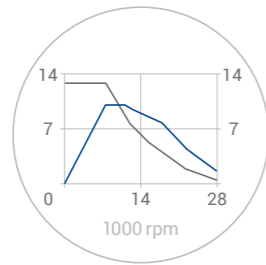
**HSD**  
**MECHATRONICS**  


Serie 700  
Range 700

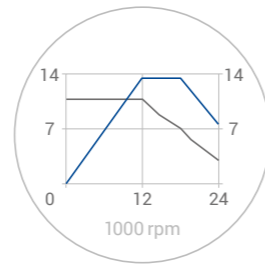


ELETTROMANDRINI ELECTROMOTORS		ES779 HSK F63/F50/E40	ES779 HSK F63/A63	ES789 HSK F63/A63
Potenza S1/S6 Power S1/S6	kW	10/12	13,5/16,2	15/18
Coppia S1/S6 Torque S1/S6	Nm	12,7/15,3	10,7/12,9	19,1/20,9
Tecnologia Motore Motor Technology		Asynchronous	Asynchronous	Asynchronous
Sbloccaggio Utensile Tool Release		Pneumatic	Pneumatic	Pneumatic
Tensione Nominale Rated Voltage	V	220/380 or 380	380	220/380 or 380
Opzione Encoder Option Encoder		LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL
Poli Poles		4	4	4
Cuscinetti Anter./ Posteriori Front/ Rear Bearings		Ceramics	Ceramics	Ceramics or Ceramic/Steel
Lubrificazione Cuscinetti Bearings Lubrication		Grease	Grease	Grease
Frequenza Massima Max Frequency	Hz	500/600/800/833/933	600/800	600/800
Velocità Massima Max Speed	rpm	15000 (E63) 18000 (A63) 24000 (F63/F50) 25000 (F63) 28000 (F50/E40)	18000 (A63) 24000 (F63)	18000 (A63) 24000 (F63)
Velocità Nominale Rated Speed	rpm	7500	12000	9000
Peso Weight	kg	~26/~30	~26/~30	~36
Opzione distributore Option Coolant Through Shaft		-	-	High pressure
Raffreddamento Cooling		Liquid	Liquid	Liquid

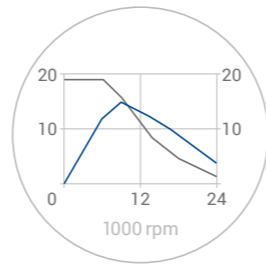
	ES793 HSK A63	ES798 HSK A63	ES789 HSK F63/A63
	15/18	22/25	25/30
	28,7/34,4	28/32	23,9/28,6
	Asynchronous	Asynchronous	Asynchronous
	Pneumatic	Pneumatic	Pneumatic
	380	350	380
	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp
	6	4	4
	Ceramics or Ceramic/Steel	Ceramics or Ceramic/Steel	Ceramics
	Grease	Grease	Grease
	900	633	800
	18000	20000	24000
	5000	7500	10000
	~42	~60+10	~36
	High Pressure	High Pressure	High pressure
	Liquid	Liquid	Liquid



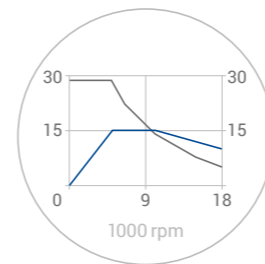
— [kW] S1  
— [Nm] S1



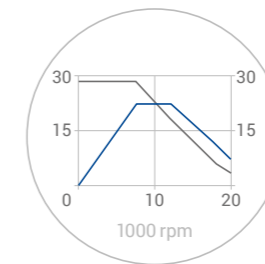
— [kW] S1  
— [Nm] S1



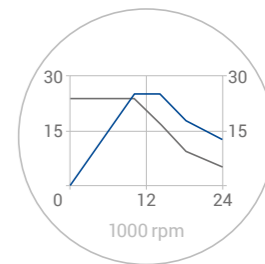
— [kW] S1  
— [Nm] S1



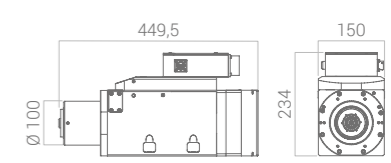
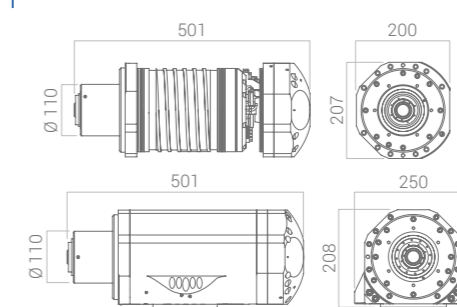
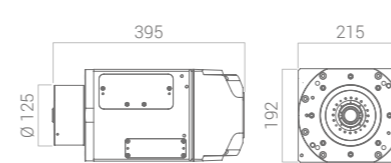
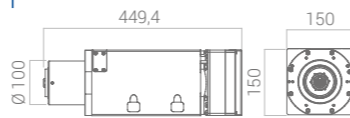
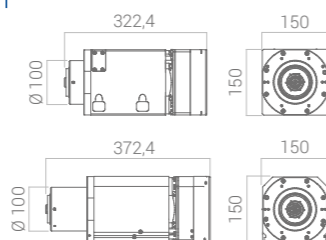
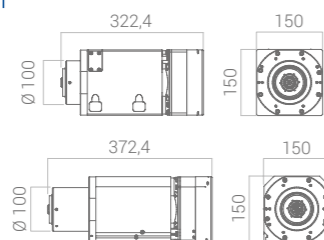
— [kW] S1  
— [Nm] S1



— [kW] S1  
— [Nm] S1



— [kW] S1  
— [Nm] S1

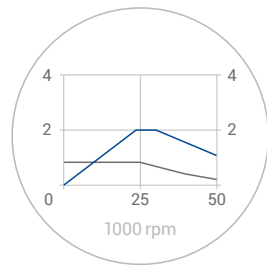


Serie ES300 & ES800  
Range ES300 & ES800

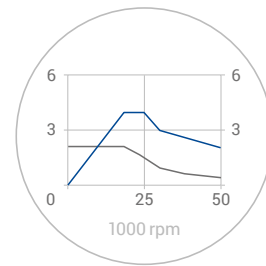


**ELETTROMANDRINI  
ELECTROSPINDLES**

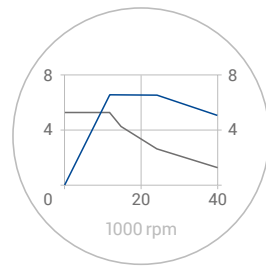
		<b>ES325 HSK E25</b>	<b>ES326 HSK E25</b>	<b>ES351 HSK E32</b>	<b>ES350 HSK E40/F50</b>	<b>ES368 HSK E40/F50</b>	<b>ES368 HSK F63</b>	<b>ES350 HSK E40/F50</b>
Potenza S1/S6 <b>Power S1/S6</b>	<b>kW</b>	2/2,4	4/4,8	6,5/7,5	6,5/8	6,5/7,8	7/8,7	8/9
Coppia S1/S6 <b>Torque S1/S6</b>	<b>Nm</b>	0,8/1	2,1/2,6	5,2/6	5,2/6,4	3,4/4,1	5,6/6,9	6,4/7,2
Tecnologia Motore <b>Motor Technology</b>		Asynchronous	Asynchronous	Asynchronous	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Sbloccaggio Utensile <b>Tool Release</b>		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Tensione Nominale <b>Rated Voltage</b>	<b>V</b>	380	380	220/380 or 380	380	380	380	380
Opzione Encoder <b>Option Encoder</b>		-	-	LB 1 Vpp or TTL	-	-	LB 1 Vpp or TTL	LB 1 Vpp or TTL
Poli <b>Poles</b>		2	4	4	4	4	6	4
Cuscinetti Anter./ Posteriori <b>Front/ Rear Bearings</b>		Ceramics	Ceramics	Ceramics or Kronidur	Ceramics	Ceramics	Ceramic/Steel	Ceramics
Lubrificazione Cuscinetti <b>Bearings Lubrication</b>		Grease	Grease	Grease	Grease	Grease	Grease	Grease
Frequenza Massima <b>Max Frequency</b>	<b>Hz</b>	667/833	1333/1667	1334	1200	1200	1000	1000/1200
Velocità Massima <b>Max Speed</b>	<b>rpm</b>	40000 or 50000	40000 or 50000	40000	36000	36000	20000	30000 (HSK-E40) 36000 (HSK-E40/F50)
Velocità Nominale <b>Rated Speed</b>	<b>rpm</b>	24000	18000	12000	12000	18000	12000	12000
Peso <b>Weight</b>	<b>kg</b>	~ 7	~ 9,5	~ 20	~ 14	~ 20	~ 20	~ 14
Raffreddamento <b>Cooling</b>		Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid



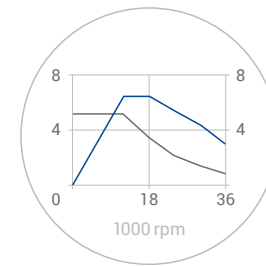
— [kW] S1  
— [Nm] S1



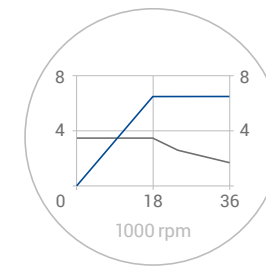
— [kW] S1  
— [Nm] S1



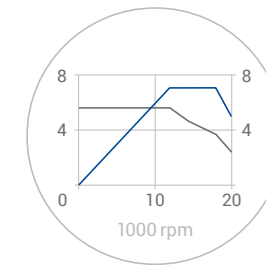
— [kW] S1  
— [Nm] S1



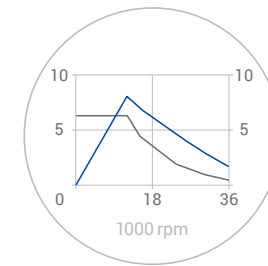
— [kW] S1  
— [Nm] S1



— [kW] S1  
— [Nm] S1

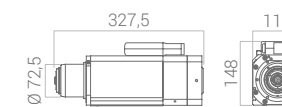
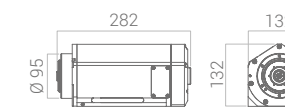
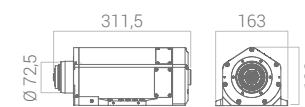
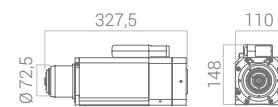
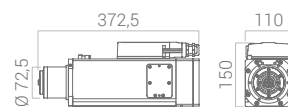
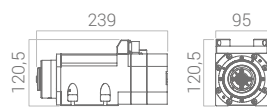


— [kW] S1  
— [Nm] S1



— [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





**ELETTROMANDRINI  
ELECTROSPINDLES**

**ES368  
HSK F63 20000**

**ES368  
HSK F63 24000**

**ES884  
HSK E63/F80**

**ES367  
HSK F63**

**ES884  
HSK E63/F80**

**ES883  
HSK E63**

**ES883  
HSK E63**

11/13

11/13

16/18

18/21,6

19/22,8

19/22,8

29,3/35,2

**kW**

Potenza S1/S6  
**Power S1/S6**

8,7/10,3

8,7/10,3

19/21,5

21,5/25,8

24,2/29

24,8/29,8

28,6/34,4

**Nm**

Coppia S1/S6  
**Torque S1/S6**

Synchronous

Synchronous

Asynchronous

Synchronous

Asynchronous

Asynchronous

Asynchronous

Tecnologia Motore  
**Motor Technology**

Pneumatic

Pneumatic

Pneumatic

Pneumatic

Pneumatic

Hydraulic

Hydraulic

Sbloccaggio Utensile  
**Tool Release**

380

380

380

380

380

380

380

**V**

Tensione Nominale  
**Rated Voltage**

LB 1 Vpp or TTL

LB 1 Vpp or TTL

-

-

-

-

-

Opzione Encoder  
**Option Encoder**

6

6

4

6

4

6

6

Poli  
**Poles**

Ceramic/Steel

Ceramics

Ceramic/Steel

Ceramics

Ceramic/Steel

Ceramics

Ceramics

Cuscinetti Anter./ Posteriori  
**Front/ Rear Bearings**

Grease

Grease

Grease

Grease

Grease

Grease

Grease

Lubrificazione Cuscinetti  
**Bearings Lubrication**

1000

1200

400/500

1200

500

750

750

**Hz**

Frequenza Massima  
**Max Frequency**

20000

24000

12000 (HSK-F80)  
or 15000 (HSK-E63)

24000

12000 (HSK-F80)  
or 15000 (HSK-E63)

15000

15000

**rpm**

Velocità Massima  
**Max Speed**

12000

12000

8000

8000

7500

7300

10000

**rpm**

Velocità Nominale  
**Rated Speed**

~ 20

~ 20

~ 57

~ 25

~ 57

~ 33

~ 33

**kg**

Peso  
**Weight**

Liquid

Liquid

Liquid

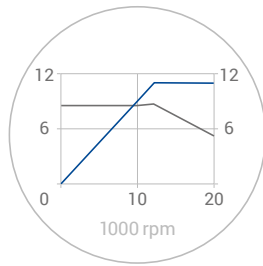
Liquid

Liquid

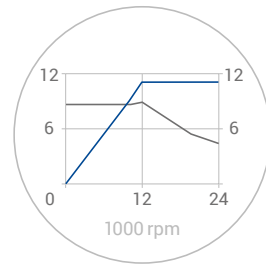
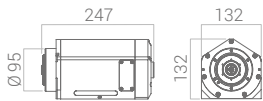
Liquid

Liquid

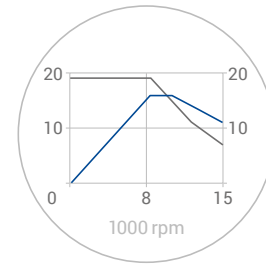
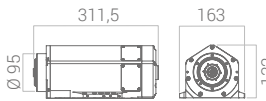
Raffreddamento  
**Cooling**



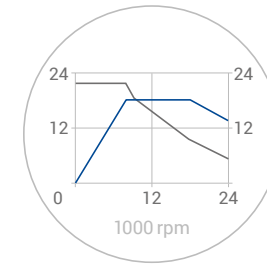
— [kW] S1  
— [Nm] S1



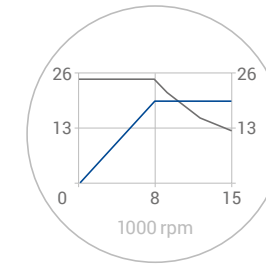
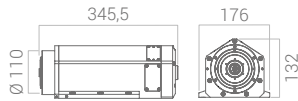
— [kW] S1  
— [Nm] S1



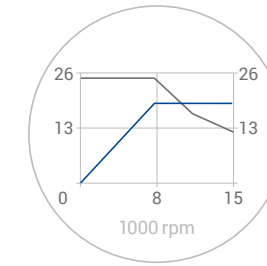
— [kW] S1  
— [Nm] S1



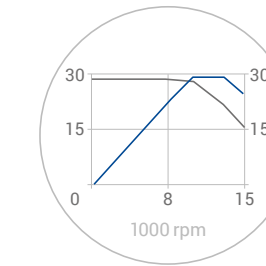
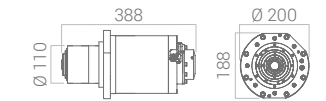
— [kW] S1Y  
— [Nm] S1Y



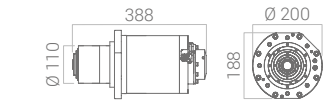
— [kW] S1  
— [Nm] S1



— [kW] S1  
— [Nm] S1



— [kW] S1  
— [Nm] S1



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



**AEROSPACE  
WINDOWS & FURNITURE  
CONSUMER ELECTRONICS  
AUTOMOTIVE  
HIGH TECH.**