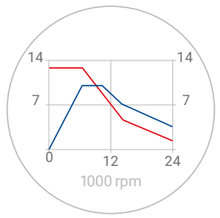
Elettromandrini per 3&5 Assi e Applicazioni su Robot
Electrospindles for 3&5 Axis and Robotic Integrations

HSD®
MECHATRONICS

MORE VALUE FOR YOUR MACHINE.

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



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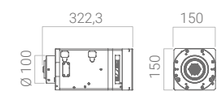

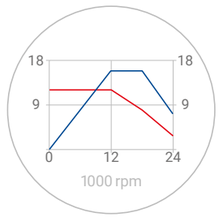

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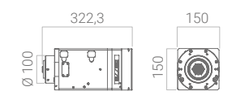

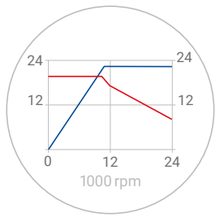

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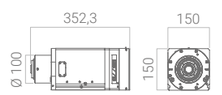
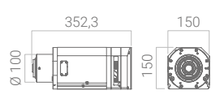
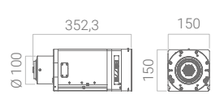
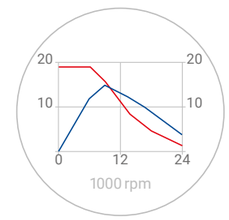






ES789 HSK F63/A63/E63	ES793 HSK A63	ES793 ISO40	ES789 HSK F63/A63/E63
15/18kW	15/18kW	15/18kW	25/30kW
19,1/20,9Nm	28,7/34,4Nm	31,8/38,2Nm	23,9/28,6Nm
Asynchronous	Asynchronous	Asynchronous	Asynchronous
Pneumatic	Pneumatic	Pneumatic	Pneumatic
220/380V or 380V	380V	380V	380V
LB 1 Vpp or TTL	LB 1 Vpp or 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



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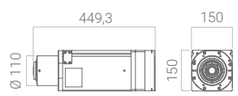

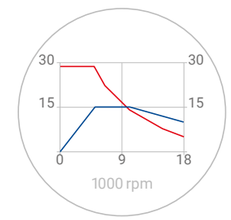

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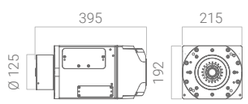

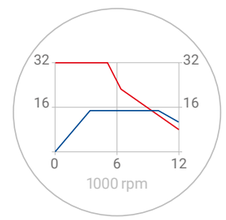

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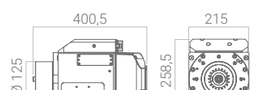
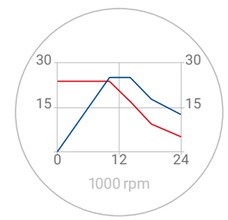
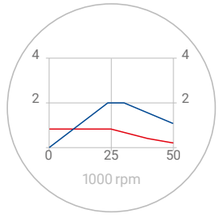




[kW] S1
[Nm] S1

Serie ES300 & ES800
Range ES300 & ES800

ELETTROMANDRINI ELECTROSPINDLES		ES325 HSK E25	ES326 HSK E25	ES351 HSK E32/E40	ES350 HSK E40/F50	ES368 HSK E40/F50	ES368 HSK F63	ES350 HSK E40/F50
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



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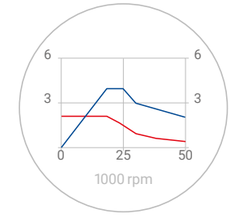

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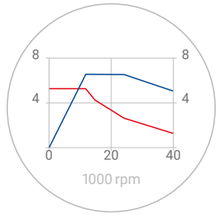

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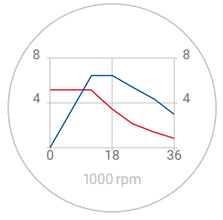

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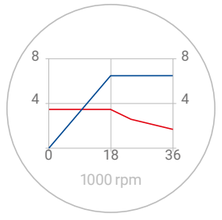

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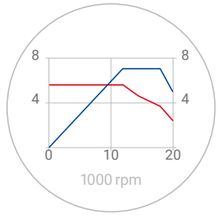

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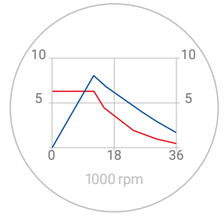

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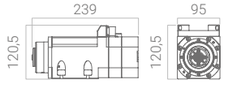

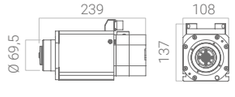

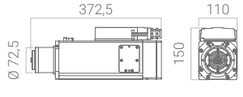

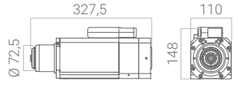

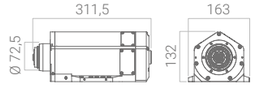

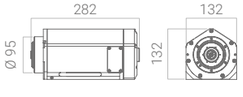

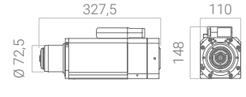

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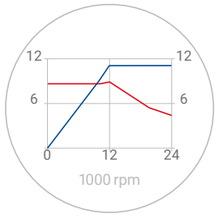
Technical data and illustrations are not binding and, for the sake of continual improvement of its products, HSD Mechatronics reserves the right to make modifications without prior notice

HSD®
MECHATRONICS

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**



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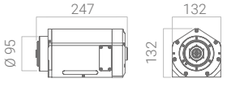

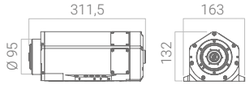

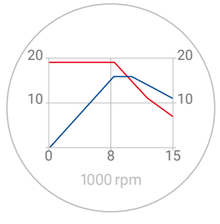

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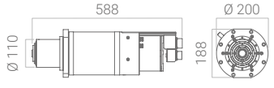

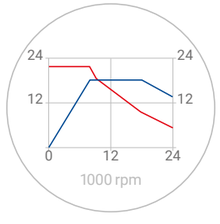

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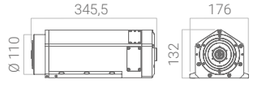

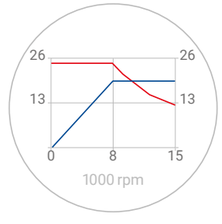

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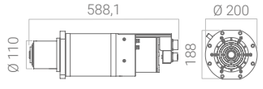

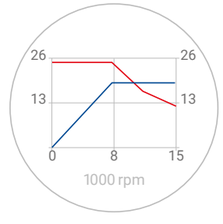

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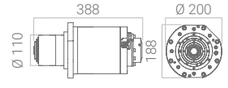

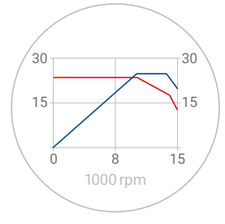

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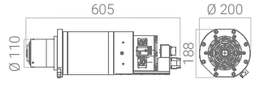

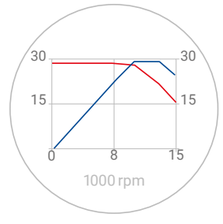

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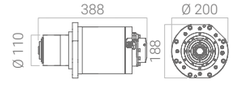

Elettromandrini per 3&5 Assi e Applicazioni su Robot
Electrospindles for 3&5 Axis and Robotic Integrations

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