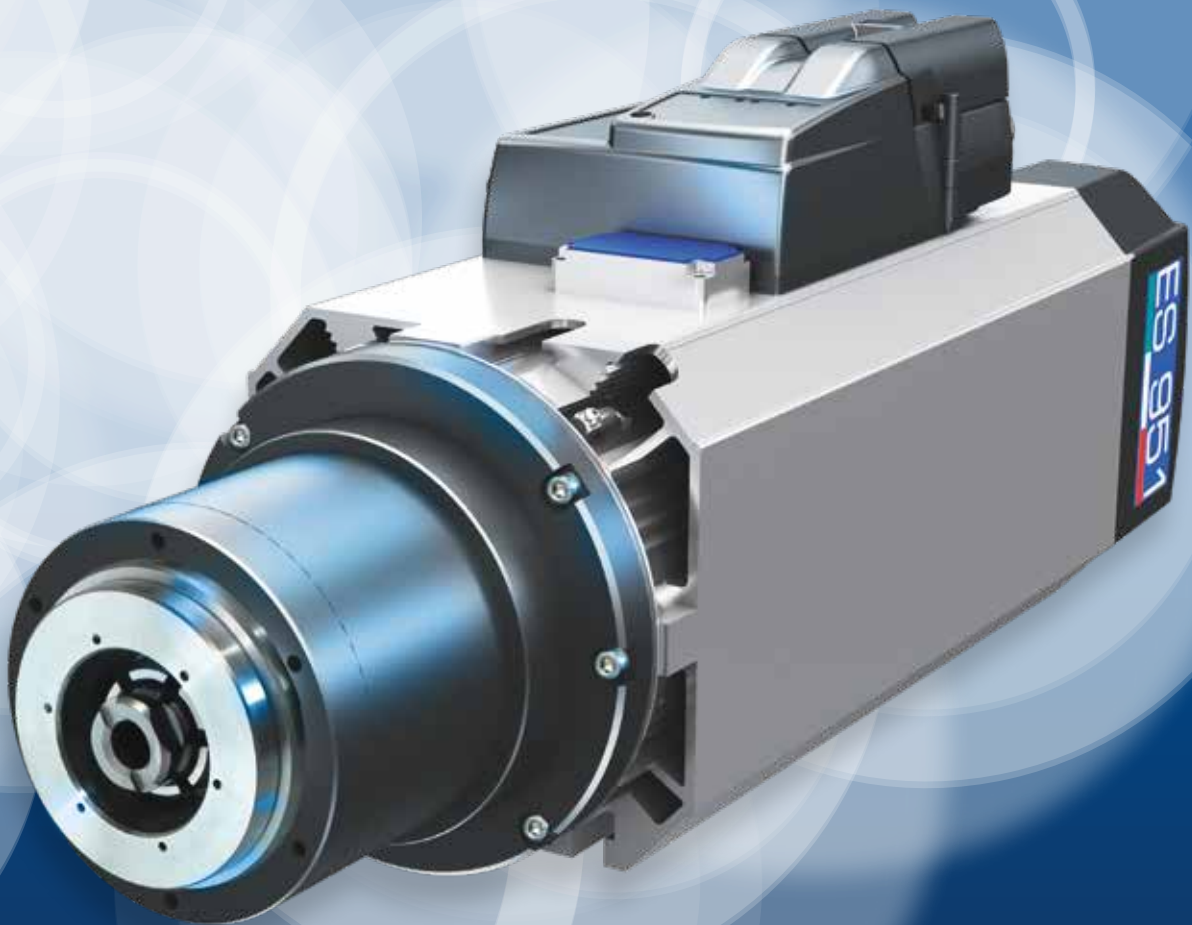




ES950 e-CORE
ES951 e-CORE

4.0 VALUE FOR YOUR MACHINE.

HSD[®]
MECHATRONICS

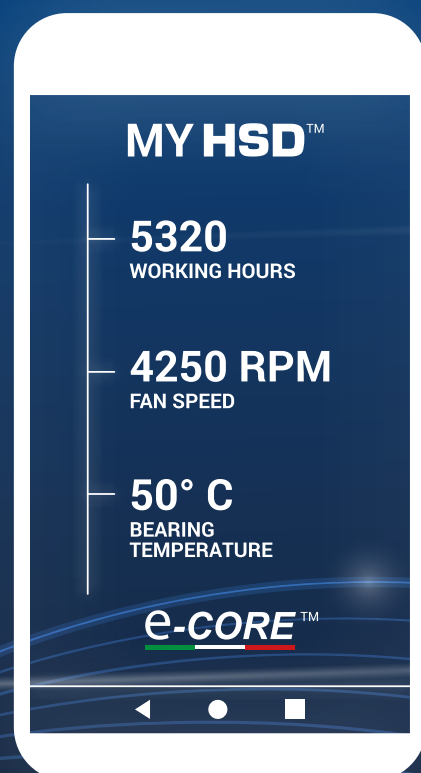


LET SPINDLE BE SMARTER

HSD[®]
MECHATRONICS

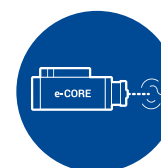
WORLD FIRST **WI-FI**
CONNECTED ELECTROSPINDLE

**INDUSTRY 4.0
READY**



Capabilities
Industry 4.0 Ready

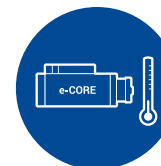
Air Tool



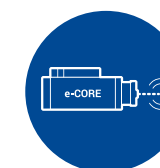
Connessione Fieldbus
Fieldbus Connection



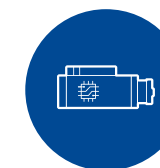
Monitoraggio Temperatura Motore
Motor Temperature Monitoring



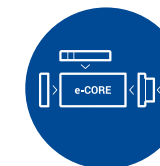
Monitoraggio Vibrazioni
Vibration Monitoring



Set-Up Remoto Sensori
SRS Sensor Remote Set-Up



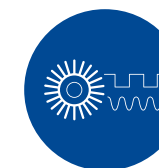
Assemblaggio Modulare
Modular Assembly



Controllo Ridondante della Velocità
Double SignalSpeed Control



Encoder



Monitoraggio Temperatura Cuscinetti
Bearings Temperature Monitoring



Fieldbus disponibili:
Fieldbus available:

EtherCAT

CANopen

IO-Link

MADE IN ITALY

Serie ES950
Range ES950



ELETTROMANDRINI
ELECTROSPINDLES

Potenza S1/S6
Power S1/S6

kW	ES950 ISO30	ES950 HSK F63/ISO30	ES950 HSK F63/ISO30
	3,8/4,5	5/6	7,5/9

Coppia S1/S6
Torque S1/S6

Nm	ES950 ISO30	ES950 HSK F63/ISO30	ES950 HSK F63/ISO30
	3/3,6	4/4,8	6/7,2

Sbloccaggio Utensile
Tool Release

	ES950 ISO30	ES950 HSK F63/ISO30	ES950 HSK F63/ISO30
	Pneumatic	Pneumatic	Pneumatic

Tensione Nominale
Rated Voltage

V	ES950 ISO30	ES950 HSK F63/ISO30	ES950 HSK F63/ISO30
	220/380	380	380

Poli
Poles

	ES950 ISO30	ES950 HSK F63/ISO30	ES950 HSK F63/ISO30
	2	4	4

Frequenza Massima
Max Frequency

Hz	ES950 ISO30	ES950 HSK F63/ISO30	ES950 HSK F63/ISO30
	400	800	800

Velocità Massima
Max Speed

rpm	ES950 ISO30	ES950 HSK F63/ISO30	ES950 HSK F63/ISO30
	24000	24000	24000

Velocità Nominale
Rated Speed

rpm	ES950 ISO30	ES950 HSK F63/ISO30	ES950 HSK F63/ISO30
	12000	12000	12000

Peso
Weight

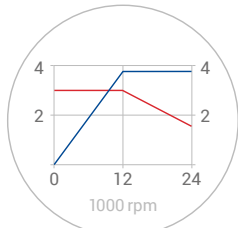
kg	ES950 ISO30	ES950 HSK F63/ISO30	ES950 HSK F63/ISO30
	~ 22,5	~ 21,5 / ~ 24,5	~ 20,5 / 23,5

Raffreddamento
Cooling

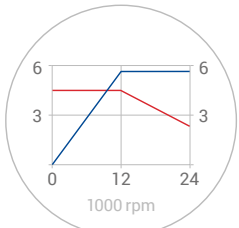
	ES950 ISO30	ES950 HSK F63/ISO30	ES950 HSK F63/ISO30
	Electric Fan Forced Air	Electric Fan	Liquid

Le misure sono in mm
Measurements are in mm

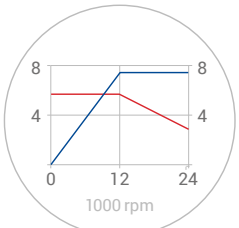
Tutti i modelli hanno cuscinetti
ceramici con lubrificazione a grasso
All models are with grease
lubricated ceramics bearings



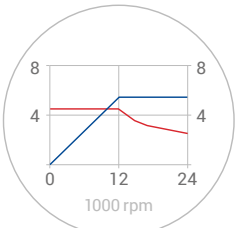
— [kW] S1
— [Nm] S1



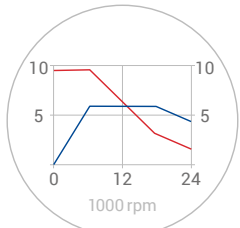
— [kW] S1
— [Nm] S1



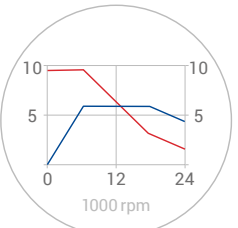
— [kW] S1
— [Nm] S1



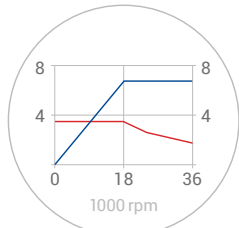
— [kW] S1
— [Nm] S1



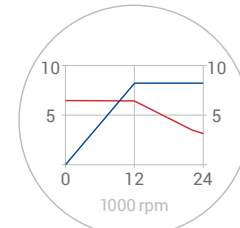
— [kW] S1
— [Nm] S1



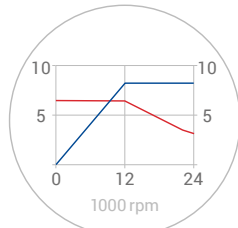
— [kW] S1
— [Nm] S1



— [kW] S1
— [Nm] S1



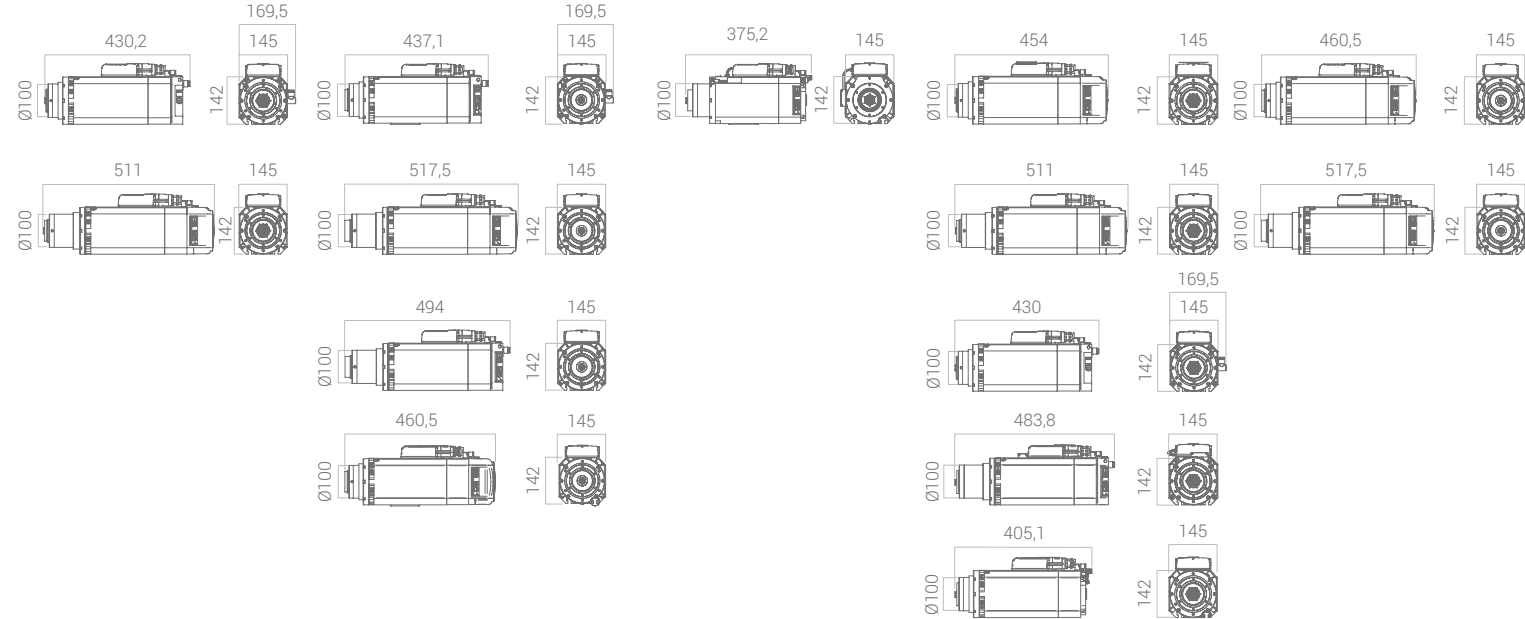
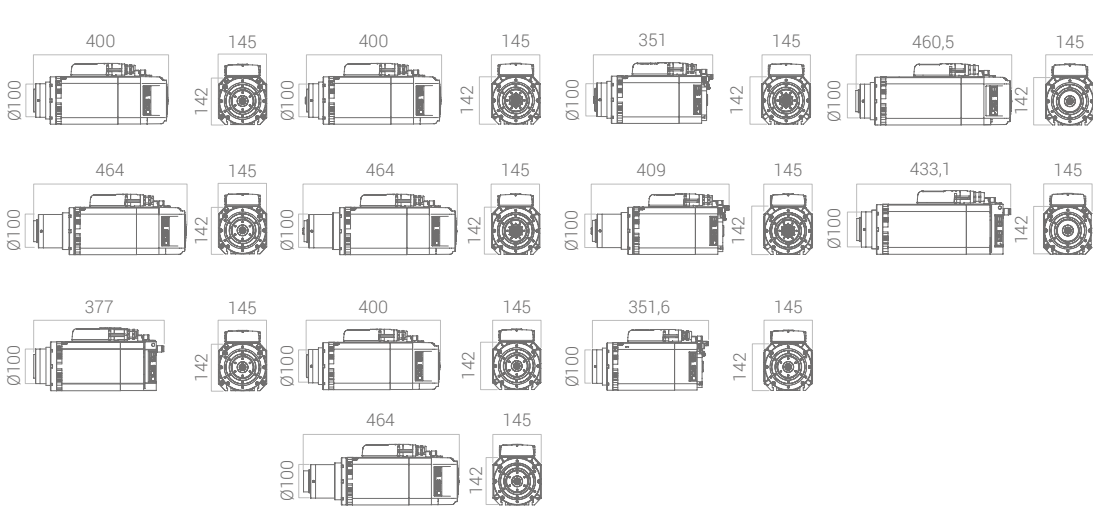
— [kW] S1
— [Nm] S1

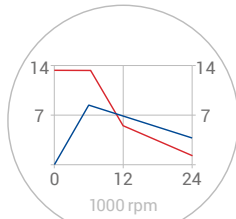
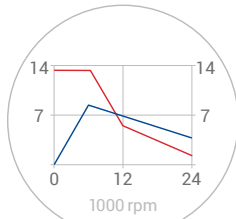
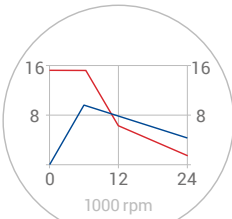
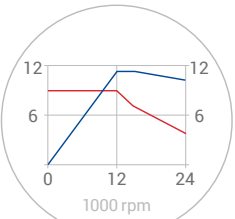
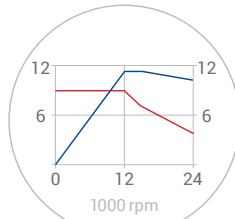
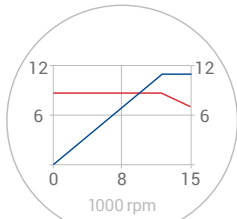
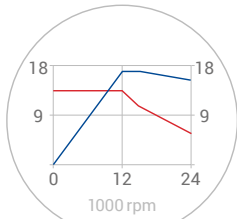
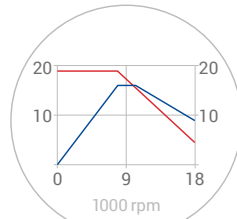
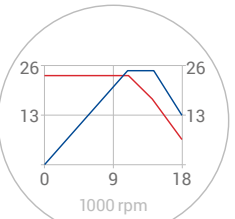
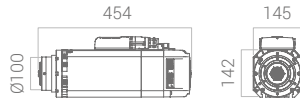
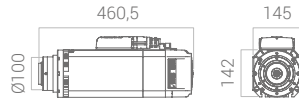
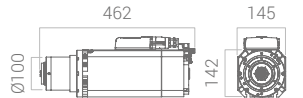
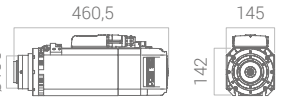
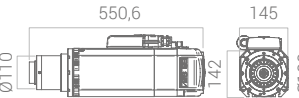
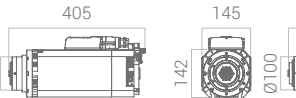
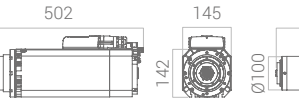
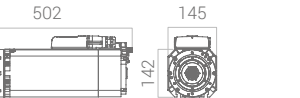
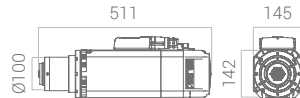
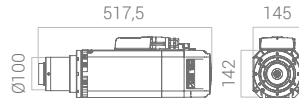
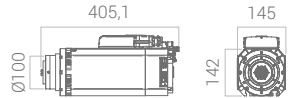
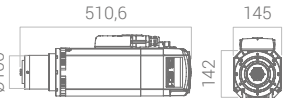
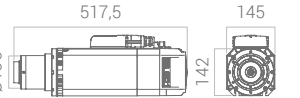
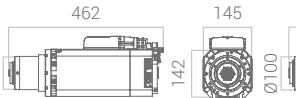
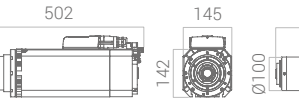
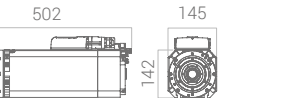
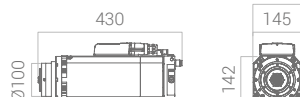
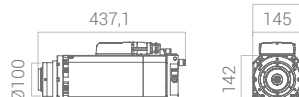
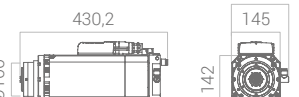
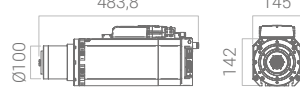
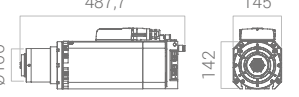


— [kW] S1
— [Nm] S1

L'opzione Encoder è disponibile
su tutti i modelli
Option Encoder is Available
on every models

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
ES951 HSK F63	ES951 ISO30	ES951 HSK F63	ES951 HSK F63	ES951 ISO30		ES951 ISO40	ES951 HSK F63	ES951HT HSK F63/E63	ES951 HSK F63/E63	kW	Potenza S1/S6 Power S1/S6
8,5/10,2	8,5/10,2	10/12	11/13,2	11/13,2		11/13,2	16/19,2	16/19,2	25/30		
13,5/16,2	13,5/16,2	15,9/19	8,7/10,5	8,7/10,5		8,7/10,5	12,7/15,3	19/22,8	23,9/28,6	Nm	Coppia S1/S6 Torque S1/S6
Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic		Pneumatic	Pneumatic	Pneumatic	Pneumatic		Sbloccaggio Utensile Tool Release
380	380	380	380	380		380	380	380	380	V	Tensione Nominale Rated Voltage
4	4	4	4	4		4	4	4	4		Poli Poles
800	800	800	800	800		500	800	600	600	Hz	Frequenza Massima Max Frequency
24000	24000	24000	24000	24000		15000	24000	18000	18000	rpm	Velocità Massima Max Speed
6000	6000	6000	12000	12000		12000	12000	8000	10000	rpm	Velocità Nominale Rated Speed
~ 27	~ 27	~ 29	~ 27	~ 27		~ 33,5	~ 30	~ 31	~ 29	kg	Peso Weight
Electric Fan Forced Air	Electric Fan Forced Air	Liquid	Electric Fan Forced Air	Electric Fan		Electric Fan	Liquid	Liquid	Liquid		Raffreddamento Cooling
											
 	 	 	 	 	 	 	 	 			
											
											
											
											



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