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DLA120 - 7,5kW HSK-F63		
Pos.	Description	Comments
1	Tool Fitting	to accommodate HSK-F63 Tool Holder
2	Spindle Mounting	6x M8 ; 8mm deep
3	Harting-Connector	Compact Harting Connector for Power Supply and Sensors
4	Connection Air Sealing	Connection Ø4mm for Air Sealing
5	Connection Cone Cleaning	Connection Ø4mm for Cone Cleaning
6	Connection Actuator	Connection Ø6mm for Actuator
7	Push Buton	for manual tool change
8	Sensor S1	Monitoring for "Spindle stop"
9	Sensor S2	Monitoring for "Tool Expulsion"
10	Sensor S3	Monitoring für "Clamped with tool"
11	Sensor S4	Monitoring für "Clamped with/without tool"
12	Connection Coolant	Connection G1/8" / Ø8mm for Coolant In
13	Connection Coolant	Connection G1/8" / Ø8mm for Coolant Out

The top graph shows Voltage [V] on the y-axis (0 to 400) and Frequency [Hz] on the x-axis (0 to 1200). The voltage increases linearly from 0V at 0Hz to approximately 380V at 400Hz, then remains constant at 380V up to 1200Hz.

The bottom graph shows Shaft Power [kW] on the y-axis (0 to 15) and Frequency [Hz] on the x-axis (0 to 1200). Two curves are shown: a solid line for S1/100% and a dashed line for S6/40%. Both curves peak at approximately 400Hz. The S1/100% curve peaks at about 7.5 kW, while the S6/40% curve peaks at about 10 kW.

Technical drawings of the DLA120 spindle. The main side view shows a cylindrical spindle with a diameter of Ø63. Key dimensions include a total length of 140mm, a mounting section of 130mm, and a distance of 70mm between two sets of holes. Callouts 1 through 13 identify specific features as defined in the table. A detail of the front flange shows a diameter of Ø100, a thickness of 55mm, and four M6x1 holes. The rear view shows a diameter of Ø112, a total width of 144mm, and a height of 191mm. A perspective view shows the spindle with its red protective cap.

NICHT GEKENNZEICHNETE OBERFLÄCHEN 1,6 µm oder BESSER KANTEN: 0,2x45° RADIIEN: 0,3		FREIWAß-TOLERANZEN DIN ISO 2768 FEIN 0,5 - 6 = ± 0,05 6 - 30 = ± 0,1 30 - 120 = ± 0,15 120 - 400 = ± 0,2		PDS PRECISION DYNAMIC SPINDLES		Weitergabe oder Vervielfältigung dieses Dokumentes oder dessen Inhaltes sind ohne vorherige Genehmigung nicht gestattet. Alle Rechte vorbehalten. © PDS-GmbH 2012		
BENEENNUNG: DLA120-10.0-24-HSK-F63-22-3-4P		MAß-STAB: DIN-		BLATT: A4		ZUST: 1 / 1		
ZEICHNUNGSNUMMER: 880-120-A002		GEWICHT: 25,86 kg		WERKSTOFF:		ZUST: 0		
ÄHNLICH: 	WINKEL-TOLERANZ ± 0,5°	NAME: ABE	DATUM: 02.01.2008	GEPRÜFT:	Tichelbrink 68 D-32584 Löhne Tel: 05731/744 889-0 E-mail: info@pds-gmbh.de www.pds-gmbh.de			

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