## PSD 42 - Shaft 14 mm hollow

· Software features: spindle compensation drive, increased breakaway performance, synchronized run

· Software modules for IO-Link: changeover of parameter set, target speed in process data and modulo function

- · Protection of internal electronics against manual operation
- · Space-saving, compact design
- · Galvanically separated supply voltages between control and motor and bus
- · Precise position feedback thanks to an absolute
- measurement system without battery
- Optional gearbox for more torque
- · Address may be set using the bus or an address switch (not for IO-Link)
- Status LEDs visible from the outside

Self-holding torque below at approx. 100 mA supply current and 1,2 A phase current, currentless 0 Nm.

Dimensions in mm.

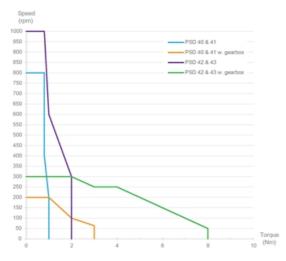
See link Manual(s) for documentation and software.

Type: Horizontal Nominal Torque (Nm): 2; 6; 8 Nominal Speed (rpm): 50; 63; 200 Nominal Voltage (V DC): 24 (± 10 %) Nominal Current (A): 4.0 Output Shaft (mm): 14 Output Shaft Type: Hollow Rotation Shaft / Housing: Direct or 0°; 90°; 180°; 270° BUS Communication: Can Open (CA); IO-Link (IO); ProfiNet (PN); EtherCat (EC); Ethernet IP (EI) Electrical connection: 0: Standard Protection Class: IP50; IP65 Motor: Stepper motor Supply Voltage: 24 V DC ± 10 % galvanically separated between motor and control Measurement System: Absolute without battery Accuracy: "±0.7° for versions with gearbox; ± 1.8° for versions without gearbox" Intermittence: Start-up duration up to 30% Manual Adjustment: No Brake: No



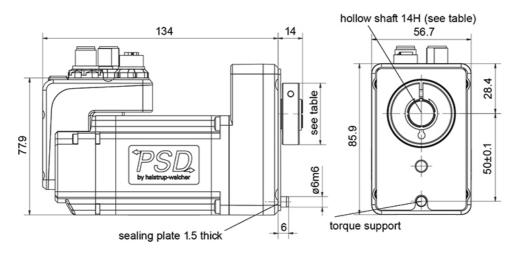
# PSD 42 - Shaft 14 mm hollow

#### Performance Curve - Direct Drives PSD



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### **General Data**



### PSD 426-14H (hollow shaft, 6 and 8 Nm)

Hollow shaft	Tolerance	Plug depth	ø Clamp ring	Cylinder screw	
ø14	H7	20	35	DIN 912 M4 x 16	

Designation	Nominal Torque (Nm)	Nominal Speed (rpm)	Nominal Current (A)	Self-holding Torque (Nm)	Max. Speed (rpm)
PSD 422-14H	2	200	4.0	1	500
PSD 426-14H	6	63	4.0	3	300
PSD 428-14H	8	50	4.0	4	250

Designation	Positioning Range (rot.)
PSD 422-14H	4026
PSD 426-14H	1274
PSD 428-14H	977

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