

DSH1 45–100 – High precision servo motors



Almost zero cogging

The DSH motors score with a not noticeable notch position and thereby reaches an extremely high control quality especially associated to the Baumüller drive engineering. The DSH is the best solution for a variety of applications having a speed up to 5000 min⁻¹ and an extremely low notch position:

- © Robotics
- © Label printing machines
- © And many others



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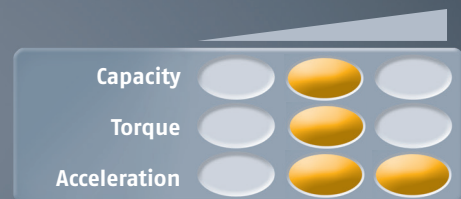
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DSH1 45–100 – High precision servo motors

- ◎ Extremely low notch position
- ◎ Low torque ripple
- ◎ Compact size having a high power density
- ◎ Degree of protection to IP65
- ◎ Main connection via a rotatable connector or a terminal housing
- ◎ Excellent concentricity properties
- ◎ Smooth housing surface – not susceptible to dirt
- ◎ Uniform, slim-line type housing design
- ◎ Permanent magnet synchronous servo motors
- ◎ High overload capability
- ◎ Encoder: Resolver, SinCos (optional)
- ◎ All types can optionally be obtained with a brake



The DSH series is soon available in an uncooled version.



Technical data *

Type		DSH1-045	DSH1-056	DSH1-071	DSH1-100
P_N	[kW]	0.5-1.2	0.6-2.7	1.1-5.6	2.1-9.2
n	[min ⁻¹]	1000-5000	1000-5000	1000-4000	1000-3000
J	[kgcm ²]	1.4-3.2	4.4-11	12.6-31	46-101
M_0	[Nm]	2.4-5.8	5.6-13	10.7-25.8	20.6-54.8
M_{0MAX}	[Nm]	7.7-24	14-43	24-74	38-122

Subject to alterations. The stated data are maximum values.
For details please have a look in the technical documentations.
) in preparation, preliminary data

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