

The six installation sizes for the DSD-range of Baumüller offer a suitable solutions for almost every application in the automation.

The servo motors for highly dynamic applications with the highest requirements of acceleration capacity and the best start-stop qualities, such as for:

packaging machines
 textile machines
 plastic machines
 handling machines
 special machines
 small robots



DSD 28-100 - Dynamic Motors

- high torque accuracy
- high speed
- almost no cogging effect
- compact frame size with high power density
- maximum dynamic response due to excellent torque - inertia ratio
- smooth housing surface – not easily soiled
- sleek, uniform housing
- permanent field synchronous servo motors
- main connection via terminal box or connector (DSD 28 - 45 only via connector)
- IP44, other protection type on request (DSD 28 - 36)
- IP65 non-ventilated, IP54 surface-ventilated with fan (DSD 45 - 100)
- encoders: resolver 2-pole, SinCos-encoder (optional)
- more encoders available on request
- all types optionally with brake



The DSD-range ist available in unventilated versions, air- and water cooled.



DSD 28 - 100 - Technical Data

	DSD 28	DSD 36	DSD2-045	DSD2-056	DSD2-071	DSD2-100
P_N [kW]	0,3-0,6	0,4-0,9	0,73-2,4	1,3-7,8	3-25	1,9-42
n_N [min ⁻¹]	4500-6000	4000-6000	3000-6000	2000-6000	2000-6000	1200-6000
J [kgcm ²]	0,13-0,2	0,18-0,42	1,0-1,9	3,6-6,6	11,7-18,9	52-105
M_0 [Nm]	0,7-1,2	1,2-2,8	2,7-5,8	7-20	17-73	42-210
M_{0max} [Nm]	2,0-3,9	2,8-8,4	12-28	25-57	53-105	105-280

	DSD 28	DSD 36	DSD2-045	DSD2-056	DSD2-071	DSD2-100
P_N [hp]	0,4-0,8	0,5-1,2	1,0-3,2	1,7-10,5	4,0-33,5	2,5-56,3
n_N [min ⁻¹]	4500-6000	4000-6000	3000-6000	2000-6000	2000-6000	1200-6000

J [lb in ²]	0,04-0,07	0,06-0,14	0,34-0,65	1,2-2,2	4,0-6,5	17,8-35,9
M ₀ [lbf ft]	0,5-0,9	0,9-2,1	2,0-4,3	5,2-14,8	12,5-53,8	30,9-154,9
M _{0max} [lbf ft]	1,5-2,9	2,1-6,2	8,9-20,7	18,4-42,0	39,1-77,4	77,4-206,5

Subject to alterations. The stated data are maximum values.

For details please have a look in the technical documentations.