

HDS series 120mm flange PM synchronous servo motors

Motor types: HDS120-0825BRKBS, HDS120-0825BRKBS01

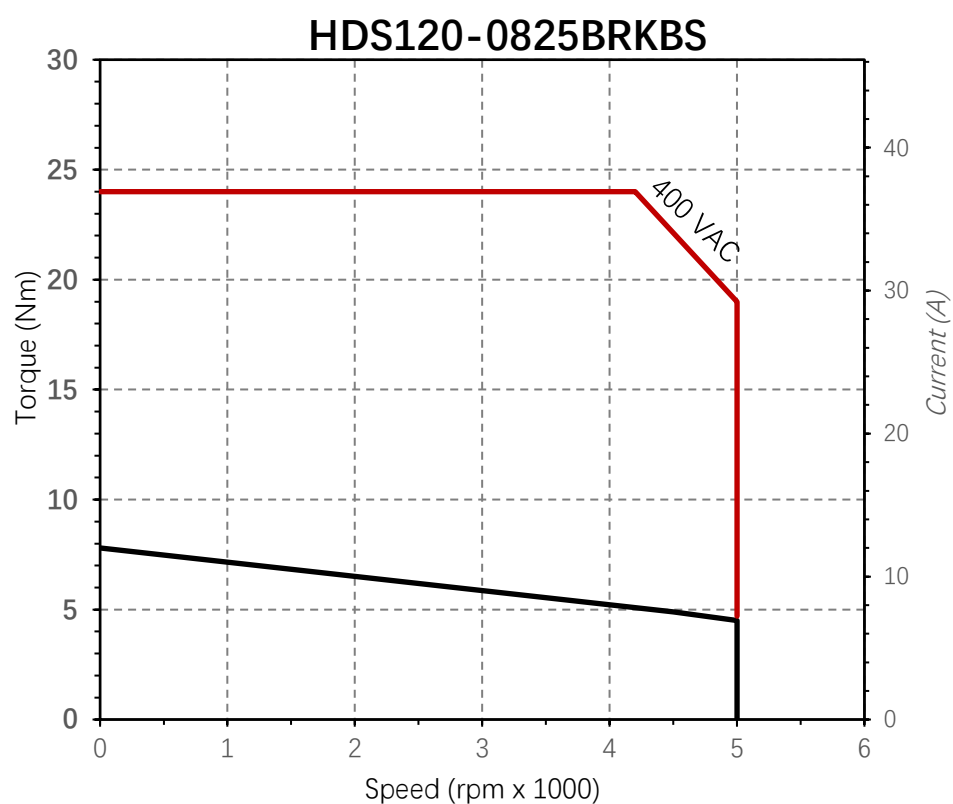
Spec	Value
Flange (mm)	120
Input voltage (VAC)	400
Rated power P (kw)	2.5
Cont. stall torque T_0 (Nm)	7.8
Peak torque T_p (Nm)	24
Rated speed n_N (rpm)	4000
Max. speed n_{MAX} (rpm)	4500
Cont. stall current I_0 (A)	12
Rated current I_N (A)	9
Peak current I_p (A)	36
Line resistance R_L 20°C (Ohm)	0.528
Line inductance L_L (mH)	5.5
Torque constant K_t (Nm/A)	0.758
*Inertia (kg·cm ²)	2.43
*Weight (kg)	7.6

* Excluding brake

Configuration	Value
Enclosure	TENV
Mounting	IM B5
IP Class	IP65
Winding protection	PTC
Ambient temp. (°C)	-10 ~ +40
Insulation class	Class F
Shaft	Round with keyway / smooth

Components	Specification
Brake	PM high-dynamic brake
Feedback	Resolver

Torque-Speed curve



Dimension

