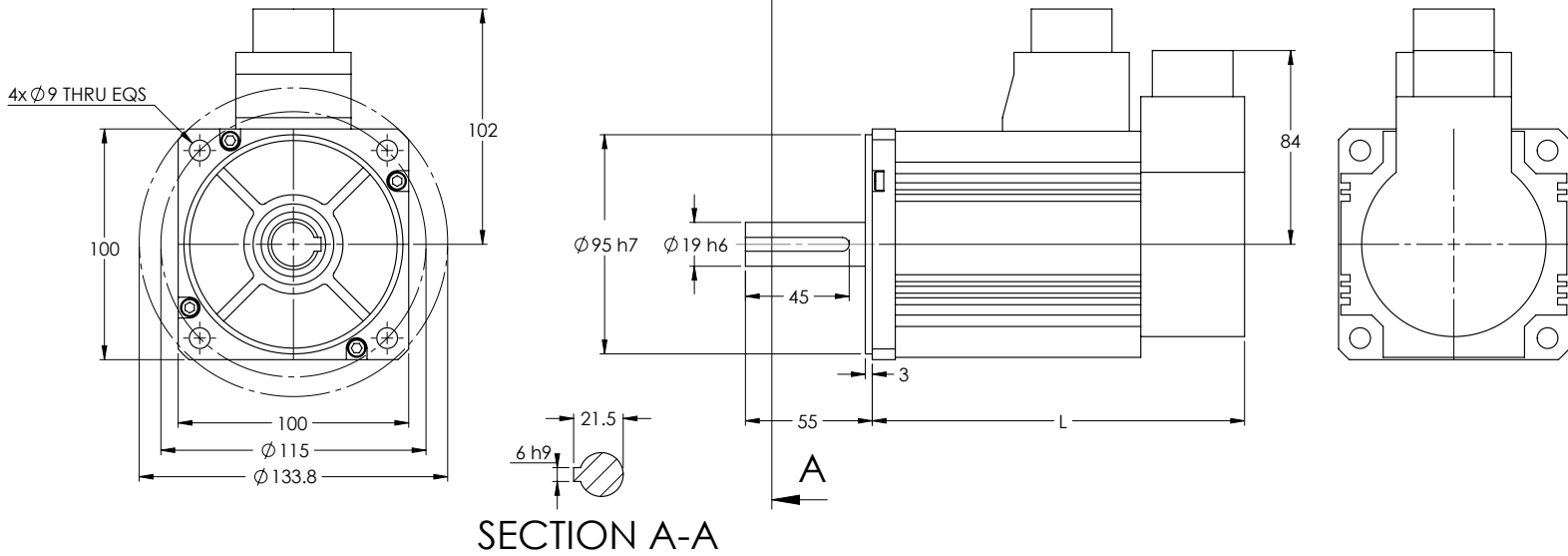


HPM100 200 VAC



Orbex Group
Revolution In Motion



Parameter	Unit	Motor Model			
		HPM100-01-200	HPM100-02-200	HPM100-03-200	HPM100-04-200
Rated Power	kW	1	1.5	2	1.3
Rated Voltage	V	200 (AC)			
Continuous Stall Torque	Nm	3.18	4.77	6.37	6.37
Max Torque	Nm	9.54	14.31	19.11	19.11
Rated Speed/Max. Speed	rpm	3000/5000	3000/5000	3000/5000	2000/2500
Rated Current	A _{peak}	7	10.5	14	6
Max Current	A _{peak}	21	31.5	42	18
Back EMF Constant, K _e	V _{peak} /krpm	45.6 (±10%)	45.6 (±10%)	47.6 (±10%)	104.6 (±10%)
Torque Constant, K _t	Nm/A _{peak}	0.436 (±10%)	0.436 (±10%)	0.46 (±10%)	0.99 (±10%)
Moment of Inertia	x10 ⁻⁴ kg*m ²	2.03	2.84	3.68	3.68
Number of Poles		10			
Mass	kg	3.5	4.4	5.3	5.3
L	mm	143	161.5	180.5	180.5
Feedback Options		-01:Optical encoder (2500 line) /-02: Magnetic encoder (1024 line)			
Operating Environment		Temperature: 0-40°C; Humidity: ≤95% RH, Non-condensing			
Storage Environment		Temperature: -20-65°C; Humidity: ≤95% RH, Non-condensing			
Insulation Rating		Class F (155°C Winding Temperature)			
Protection Class		IP65			
Duty Cycle		Continuous			

HPM100 200 VAC Typical Speed/Torque Curves

