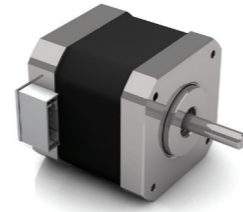


- » 2 Phase Hybrid Stepper
- » 1.8° step angle (+/-5%)
- » 42 mm square Nema 17
- » High grade Neodymium magnets
- » Customized solutions available on demand
- » Operating temperatures -20°C to +40°C

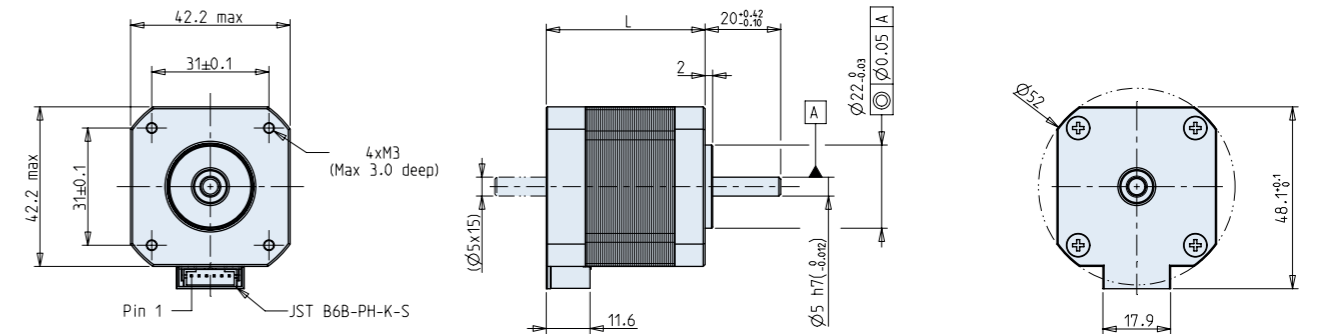
- » Sinusoidal back-EMF optimized for microstep operation and high holding torque
- » Insulation Class 130 (B)
- » With external STE controller on request
- » For stock program please go to www.dunkermotoren.com/en/configuration



Data		ST 17x14			ST 17x16			ST 17x20			ST 17x24		
Rated phase current	A	0.40	1.00	1.50	0.40	1.00	2.00	0.40	1.00	2.00	0.40	1.00	2.00
Phase resistance	Ohm	16.340	3.450	1.390	20.070	3.360	0.860	24.880	3.870	1.090	28.500	4.600	1.240
Phase inductance	mH	21.80	4.82	1.60	37.18	6.35	1.49	43.80	7.05	1.64	62.20	10.80	2.52
Holding torque bipolar	Ncm	27.00	29.00	28.00	42.00	44.00	42.00	57.00	57.00	57.00	76.00	79.00	75.00
Detent torque	Ncm	1.40	1.40	1.40	2.00	2.00	2.00	2.50	2.50	2.50	3.00	3.00	3.00
Rotor inertia	gcm ²	39.50	39.50	39.50	57.00	57.00	57.00	83.40	83.40	83.40	114.00	114.00	114.00
Max. voltage	VDC	50	50	50	50	50	50	50	50	50	50	50	50
Weight	Kg	0.260	0.260	0.260	0.320	0.320	0.320	0.420	0.420	0.420	0.470	0.470	0.470

All data measured with standard cables 300 mm at 25°C

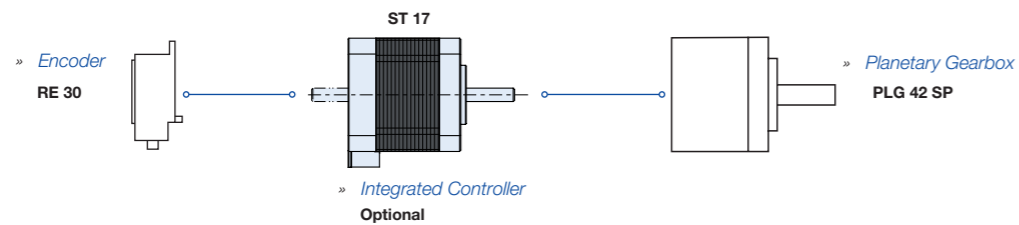
Dimensions in mm



Motor	L	
17x14	36.3±0.6	» Shaft D-cut option: 4.5X15 mm
17x16	42.0±0.6	» Radial connector available upon request
17x20	53.0±0.6	» Optional Rear-Flange with centering collar 16 mm, subcircuit 22 mm M3
17x24	62.0±0.6	

See page 96 for Connector Harness

Modular System



Characteristic diagram

