2 Phase Hybrid Stepping Motor

86D SERIES
□86mm

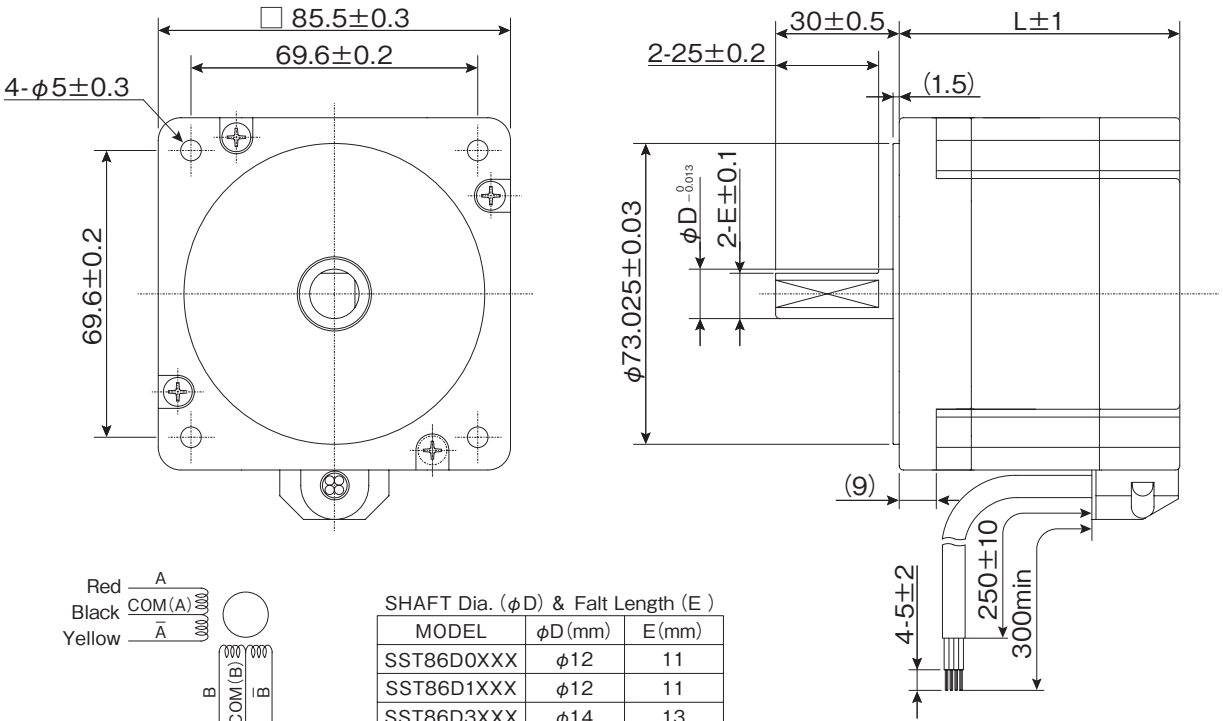
RoHS COMPLIANT 2002/95/EC

1.8° | Unipolar

SPECIFICATIONS

MODEL	STEP ANGLE	VOLTAGE	CURRENT	RESISTANCE	INDUCTANCE	HOLDING TORQUE	ROTOR INERTIA	NUMBER OF LEAD	MASS	LENGTH
	Deg.	V	A/ϕ	Ω/ϕ	mH/ϕ	mN·m	g·cm²	Lead	kg	mm
SST86D0200	1.8	4.20	2.0	2.10	5.50	1940	1170	6	1.71	62.5
SST86D0300	1.8	3.00	3.0	1.00	2.50	1940	1170	6	1.71	62.5
SST86D0450	1.8	1.98	4.5	0.44	1.10	1940	1170	6	1.71	62.5
SST86D1200	1.8	4.80	2.0	2.4	7.50	2860	1630	6	2.00	68.1
SST86D1300	1.8	3.30	3.0	1.10	3.40	2860	1630	6	2.00	68.1
SST86D1450	1.8	2.21	4.5	0.49	1.50	2860	1630	6	2.00	68.1
SST86D3200	1.8	7.60	2.0	3.80	15.5	6180	3200	6	2.90	101.5
SST86D3300	1.8	5.25	3.0	1.75	7.00	6180	3200	6	2.90	101.5
SST86D3450	1.8	3.33	4.5	0.74	3.10	6180	3200	6	2.90	101.5
SST86D5200	1.8	10.4	2.0	5.20	23.0	9280	4800	6	4.00	132
SST86D5300	1.8	6.90	3.0	2.30	10.5	9280	4800	6	4.00	132
SST86D5450	1.8	4.05	4.5	0.90	3.90	9280	4800	6	4.00	132

DIMENSIONS [EXAMPLE]



Wiring diagram

SHAFT Dia. (ϕD) & Falt Length (E)

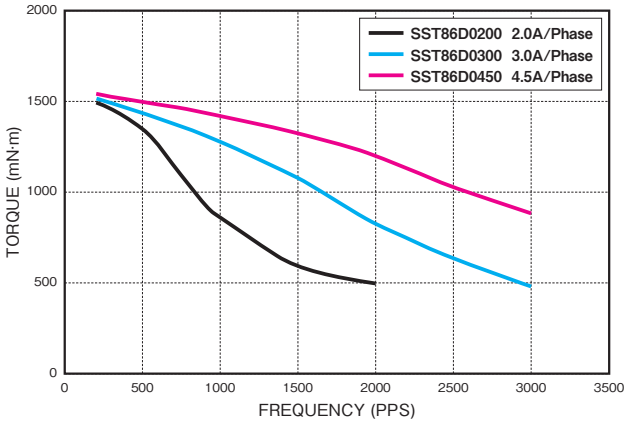
MODEL	ϕD(mm)	E(mm)
SST86D0XXX	ϕ12	11
SST86D1XXX	ϕ12	11
SST86D3XXX	ϕ14	13
SST86D5XXX	ϕ14	13

TORQUE RANGE

STEP ANGLE	SIZE		WINDINGS	MODEL	TORQUE (mN·m) *FREQUENCY at 1,000pps 1500 2000 3000 4000 5000 6000 7000 8000 9000 10000
1.8°	□86mm	NEMA34	Unipolar	86D0	
				86D1	
				86D3	
				86D5	

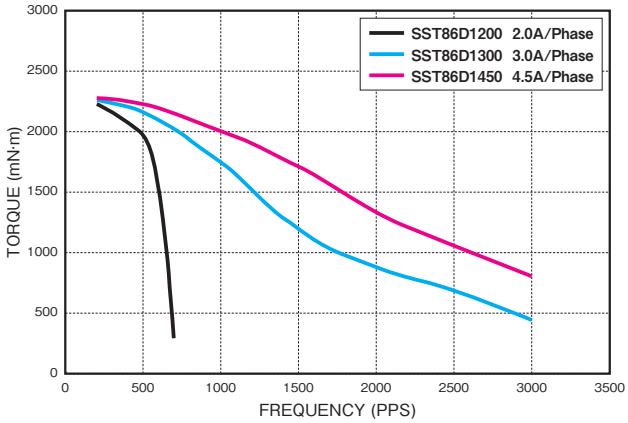
PULL OUT TORQUE CURVE

SST86D0XXX



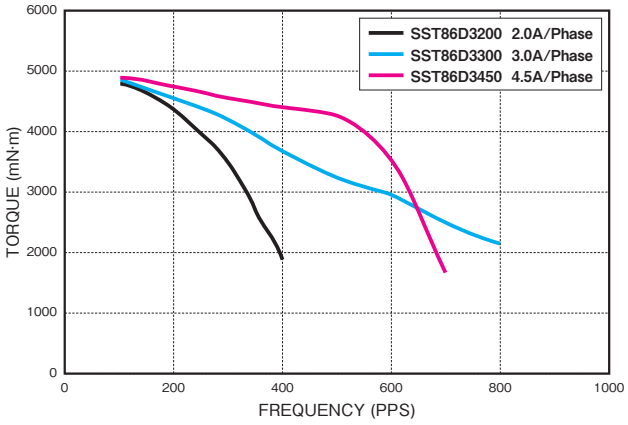
DRIVER : Chopper
SUPPLY VOLTAGE : DC24V
EXCITING MODE = 2 Phase

SST86D1XXX



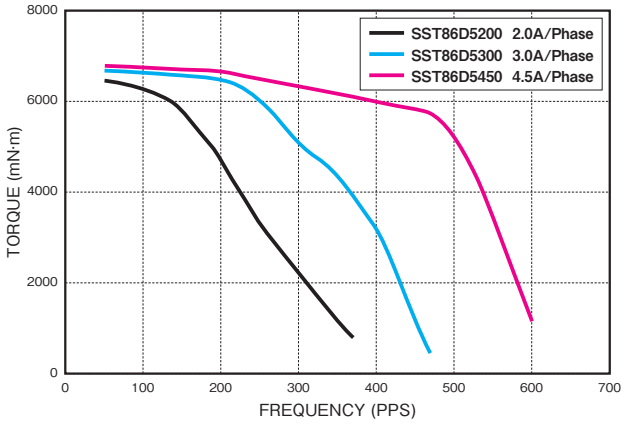
DRIVER : Chopper
SUPPLY VOLTAGE : DC24V
EXCITING MODE = 2 Phase

SST86D3XXX



DRIVER : Chopper
SUPPLY VOLTAGE : DC24V
EXCITING MODE = 2 Phase

SST86D5XXX



DRIVER : Chopper
SUPPLY VOLTAGE : DC24V
EXCITING MODE = 2 Phase

Available shaft, lead wires, winding, encoder and other customization. Feel free to contact sales office or sales agent.

Operate the motor keeping the motor surface temperature at 100 deg. C or lower.

2 Phase Hybrid Stepping Motor

86D SERIES
□86mm

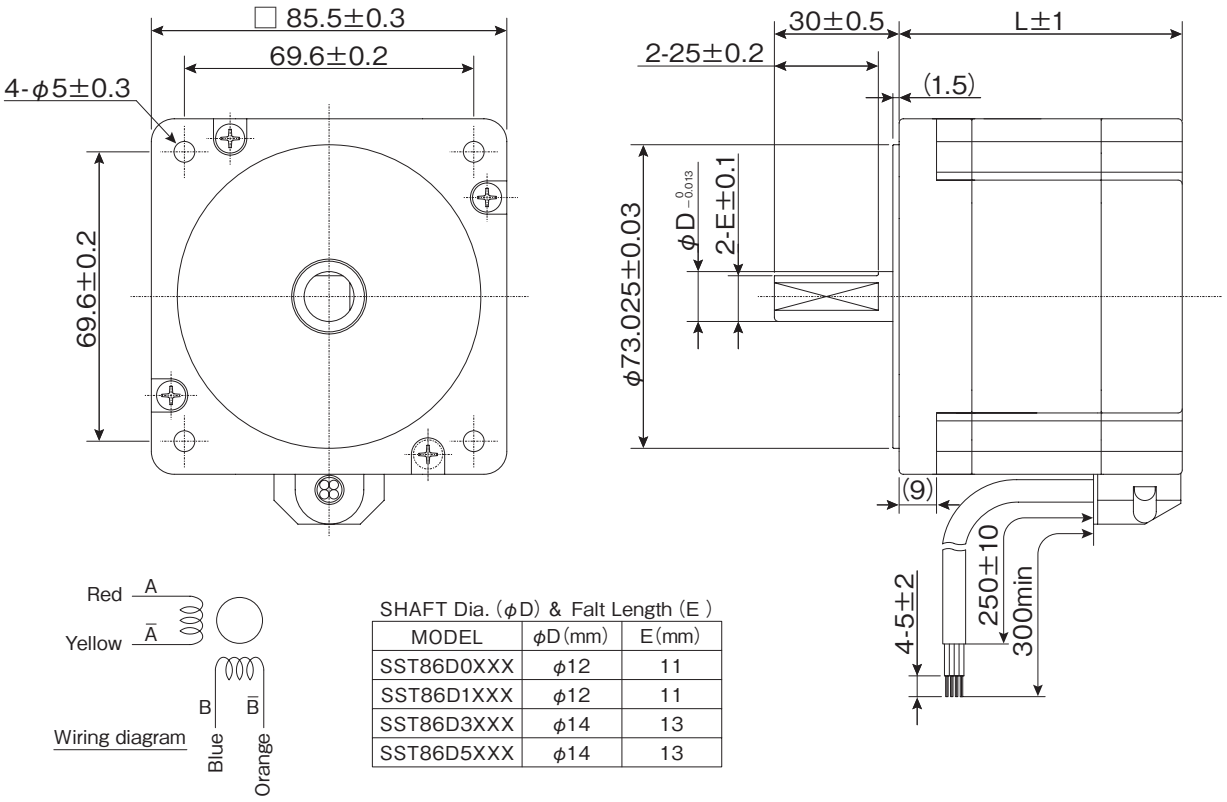
RoHS COMPLIANT 2002/95/EC

1.8° | Bipolar

SPECIFICATIONS

MODEL	STEP ANGLE	VOLTAGE	CURRENT	RESISTANCE	INDUCTANCE	HOLDING TORQUE	ROTOR INERTIA	NUMBER OF LEAD	MASS	LENGTH
	Deg.	V	A/ϕ	Ω/ϕ	mH/ϕ	mN·m	g·cm²	Lead	kg	mm
SST86D0205	1.8	3.8	2.0	1.90	9.50	2660	1170	4	1.71	62.5
SST86D0405	1.8	2.0	4.0	0.50	2.50	2660	1170	4	1.71	62.5
SST86D0605	1.8	1.5	6.0	0.24	1.10	2660	1170	4	1.71	62.5
SST86D1205	1.8	4.2	2.0	2.10	13.0	3880	1630	4	2.00	68.1
SST86D1405	1.8	2.4	4.0	4.00	0.59	3880	1630	4	2.00	68.1
SST86D1605	1.8	1.6	6.0	0.27	1.50	3880	1630	4	2.00	68.1
SST86D3205	1.8	7.0	2.0	3.50	28.0	7290	3200	4	2.90	101.5
SST86D3405	1.8	3.6	4.0	0.90	7.10	7290	3200	4	2.90	101.5
SST86D3605	1.8	2.6	6.0	0.44	3.30	7290	3200	4	2.90	101.5
SST86D5205	1.8	9.0	2.0	4.50	41.0	10600	4800	4	4.00	132
SST86D5405	1.8	4.8	4.0	1.20	10.5	10600	4800	4	4.00	132
SST86D5605	1.8	3.0	6.0	0.50	4.10	10600	4800	4	4.00	132

DIMENSIONS [EXAMPLE]



SHAFT Dia. (ϕD) & Falt Length (E)

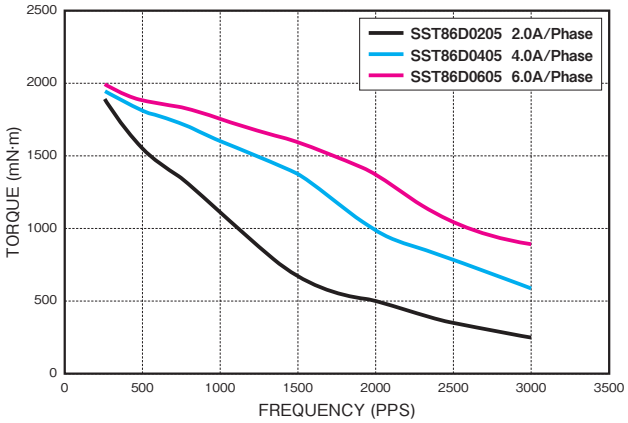
MODEL	ϕD(mm)	E(mm)
SST86D0XXX	ϕ12	11
SST86D1XXX	ϕ12	11
SST86D3XXX	ϕ14	13
SST86D5XXX	ϕ14	13

TORQUE RANGE

STEP ANGLE	SIZE		WINDINGS	MODEL	TORQUE (mN·m) *FREQUENCY at 1,000pps 1500 2000 3000 4000 5000 6000 7000 8000 9000 10000
1.8°	□86mm	NEMA34	Bipolar	86D0	
				86D1	
				86D3	
				86D5	

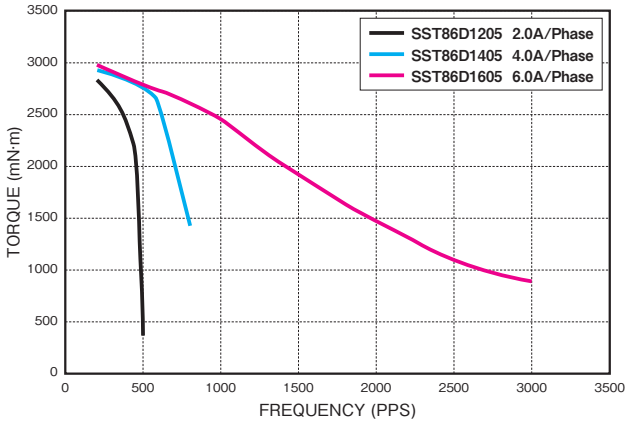
PULL OUT TORQUE CURVE

SST86D0XXX



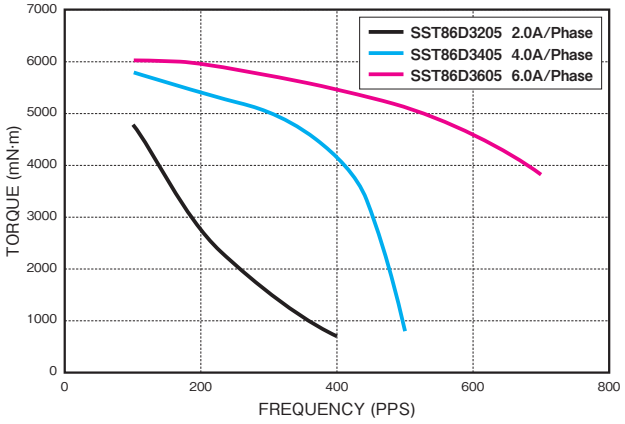
DRIVER : Chopper
SUPPLY VOLTAGE : DC24V
EXCITING MODE = 2 Phase

SST86D1XXX



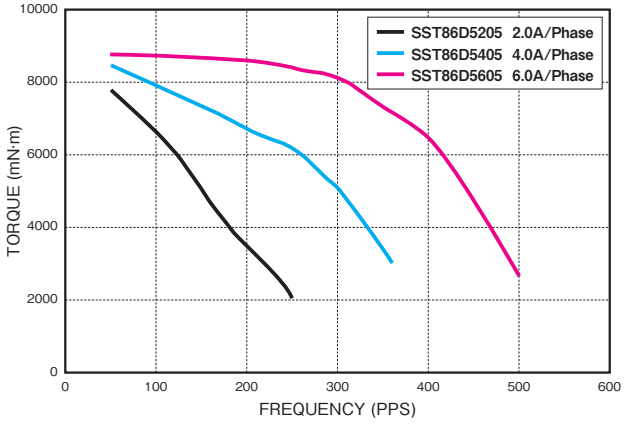
DRIVER : Chopper
SUPPLY VOLTAGE : DC24V
EXCITING MODE = 2 Phase

SST86D3XXX



DRIVER : Chopper
SUPPLY VOLTAGE : DC24V
EXCITING MODE = 2 Phase

SST86D5XXX



DRIVER : Chopper
SUPPLY VOLTAGE : DC24V
EXCITING MODE = 2 Phase

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