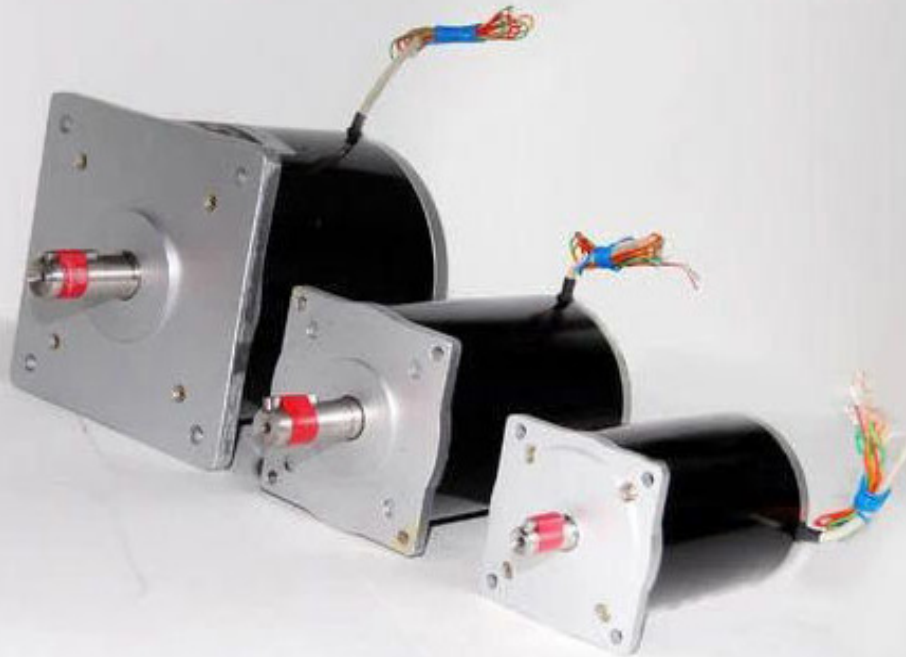


Two phase hybrid stepper motor

2020 CATALOGUE

NEMA 34
NEMA 42
XL 170 dia
NEMA 23



Manufacturers of stepper, synchronous, BLDC, PMSM and special purpose motors since 1984

punesynchrotech.com

CONTACT INFORMATION

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Synchrotech was incorporated in Pune, India since 1984.

We started our manufacturing activity with Torque motors and special purpose / import substitute motors.

There after we added stepper motors and synchronous motors together with permanent magnet import substitute motors. Synchrotech has full fledged manufacturing setup and team of experienced technical personnel.

We manufacture BLDC motors for E-Rickshaw and electric vehicles. These motors are specially designed for Indian working conditions, motors are robust and protected from dust and water. We have an extensive range of hybrid stepper motors like NEMA 23,

NEMA 34, NEMA 42 and one more model called XL 170.

For the first time in India we have introduced five phase NEMA 42 stepper motor in 2017. In 2018, we launched three phase NEMA 42 stepper motor. These motor are resonance free and largely used where ultimate accuracy with higher speed is required.

We also manufacture single phase 220/110 V AC , 60 RPM and three phase 415V AC, 60 RPM synchronous motors. These motors are mainly used in electrical actuators by reputed customers. In 2007 we launched import substitute 750 RPM, 220V, 1kg-cm, single phase motor for linear actuators.

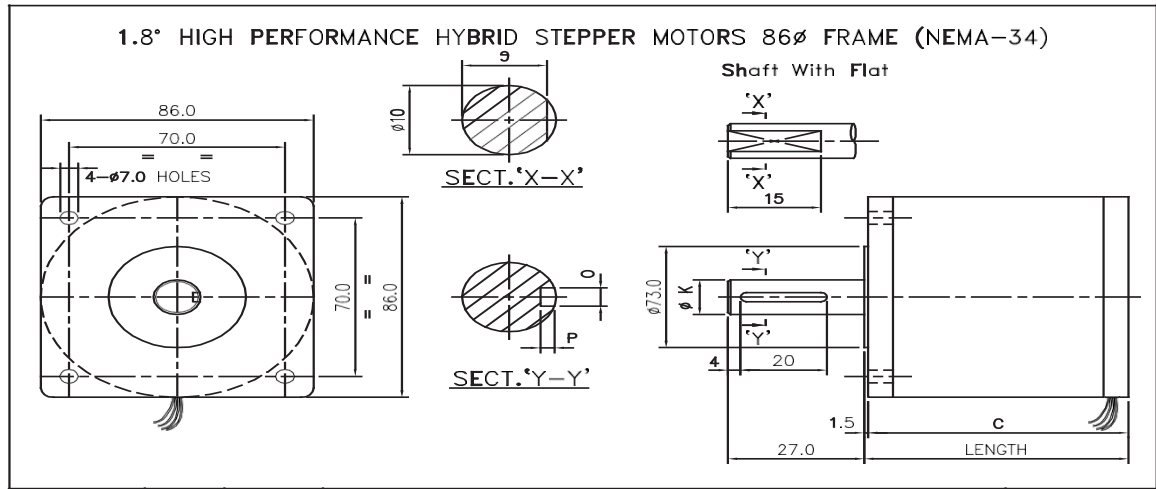
We also manufacture three phase PMSM motors for our customers as per their specifications.

FEATURES

- 2 phase hybrid stepper
- 1.8 ° degree mechanical
- 2 phase Holding Torque: 10- 84 kg-cm
- Current: 2.0 - 6.0 Amp



DIMENSIONS



VERSIONS

Model No.	Holding torque 2 phase (Kg-cm)	Rated current per phase	Dimensions (mm)					Weight (Kg)
			C	K	O	P	LENGTH	
STPM 8610-2	10	2	75	10 j6		Refer detail of shaft with flat	77	2.1
STPM 8610-4	10	4	75	10 j6			77	2.1
STPM 8620-2	20	2	75	10 j6			77	2.3
STPM 8620-4	20	4	75	10 j6			77	2.3
STPM 8628-2	28	2	75	10 j6			77	2.3
STPM 8628-4	28	4	75	12 j6	4	2.3	77	2.3
STPM 8635-2	35	2	80	12 j6	4	2.3	82	3.0
STPM 8635-4	35	4	80	12 j6	4	2.3	82	3.0
STPM 8660-2	60	2	110	12 j6	4	2.3	112	4.0
STPM 8660-4	60	4	110	12 j6	4	2.3	112	4.0
STPM 8684-4	84	4	135	14 j6	5	2.6	137	4.7
STPM 8684-6	84	6	135	14 j6	5	2.6	137	4.7

PRODUCT IDENTIFIER

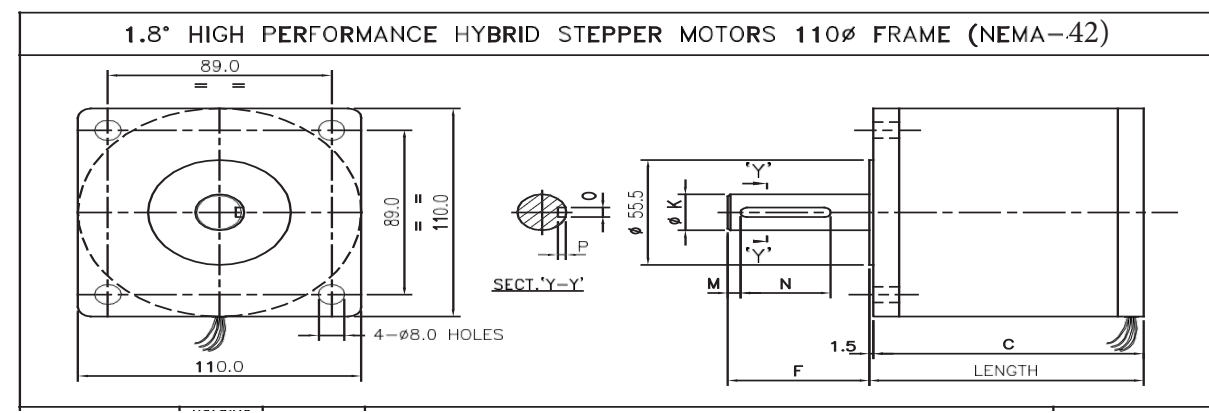
STPM NNNXXX - YYY

- NNN = Nema size in mm
 (Nema 23 - 57 mm, NEMA 34 - 86mm, NEMA42 - 110 mm)
 XXX = Torque in Kg-cm
 YYYY = Current in Amp

- FEATURES
- 2 phase hybrid stepper
 - 1.8 ° degree mechanical
 - 2 phase Holding Torque: 30 - 220 kg-cm
 - Current: 3.0 - 8.0 Amp



DIMENSIONS



VERSIONS

Model No.	Holding torque 2 phase (Kg-cm)	Rated current per phase (AMP)	Dimensions (mm)								Weight (Kg)
			C	F	K	M	N	O	P	LENGTH	
STPM 11030-3	30	3	80	30	15 j6	5	25	5	2.6	82	3.0
STPM 11030-4	30	4	80	30	15 j6	5	25	5	2.6	82	3.0
STPM 11040-3	40	3	80	30	15 j6	5	25	5	2.6	82	3.2
STPM 11040-4	40	4	80	30	15 j6	5	25	5	2.6	82	3.2
STPM 11060-3	60	3	90	35	15 j6	5	25	5	2.6	92	4.0
STPM 11060-4	60	4	90	35	15 j6	5	25	5	2.6	92	4.0
STPM 11075-4	75	4	90	35	15 j6	5	25	5	2.6	92	4.0
STPM 110110-6	110	6	140	55	19 j6	6	40	6	3.2	142	7.0
STPM 110150-6	150	6	140	55	19 j6	6	40	6	3.2	142	7.3
STPM 110220-8	220	8	170	55	19 j6	6	40	6	3.2	172	9.0

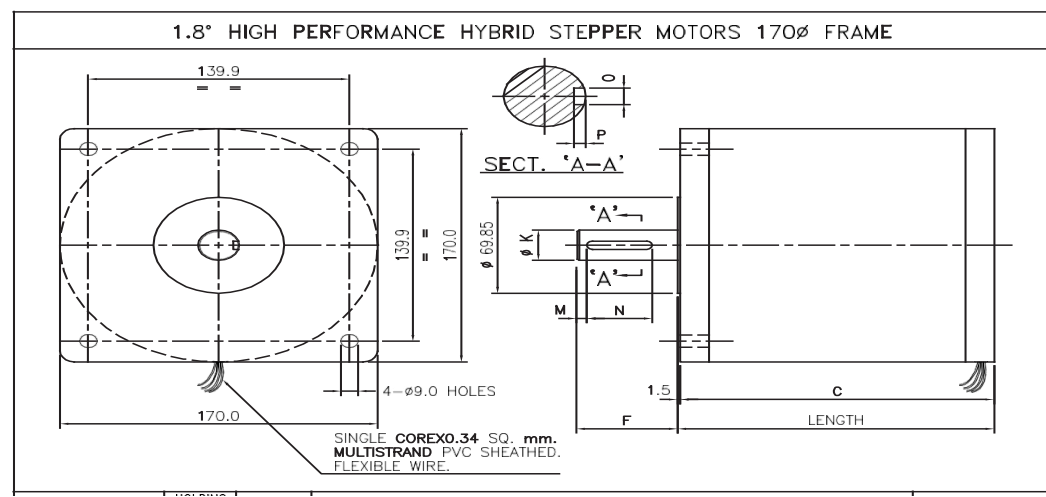
PRODUCT IDENTIFIER

STPM **NNNXXX - YYY**

NNN = Nema size in mm
(Nema 23 - 57 mm, NEMA 34 - 86mm, NEMA42 - 110 mm)
XXX = Torque in Kg-cm
YYYY = Current in Amp

- ### FEATURES
- 2 phase hybrid stepper
 - 1.8 ° degree mechanical
 - 2 phase Holding Torque: 350 - 700 kg-cm
 - Current: 8.0 - 10.0 Amp

DIMENSIONS

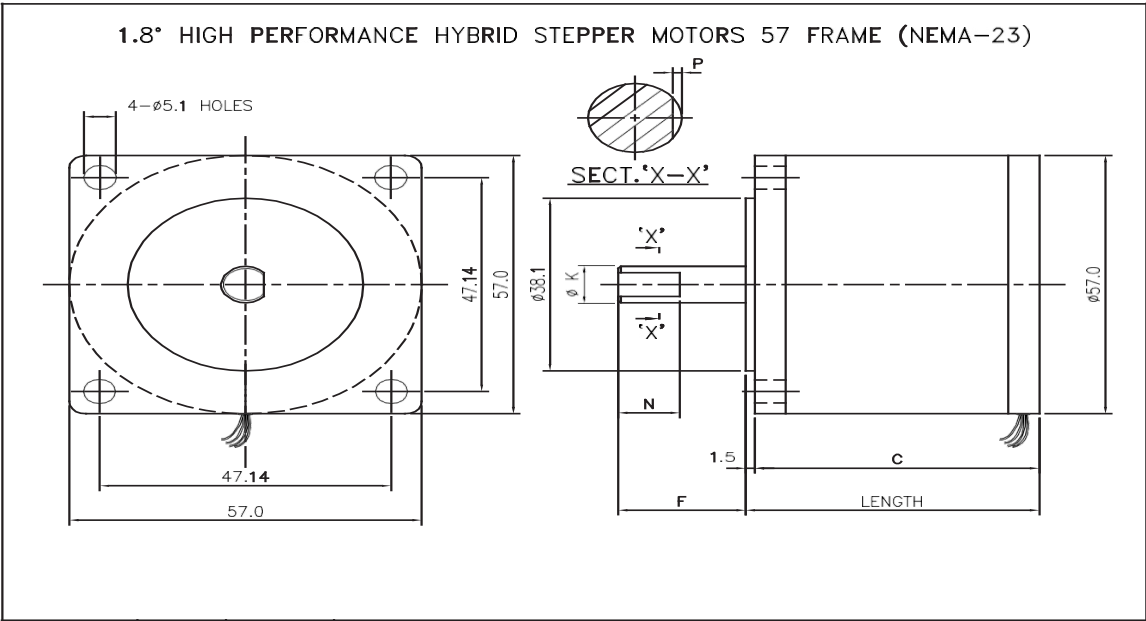


FEATURES

- 2 phase hybrid stepper
- 1.8 ° degree mechanical
- 2 phase Holding Torque: 5 - 22 kg-cm
- Current: 2.5 - 4.0 Amp



DIMENSIONS



VERSIONS

Model No.	Holding torque 2 phase (Kg-cm)	Rated current per phase	Dimensions (mm)					
			C	F	K	N	P	LENGTH
STPM 575	5	2.5	46	20.6	8 j6	10.0	1.0	48.0
STPM 5710	10	2.5	56	20.6	8 j6	10.0	1.0	58.0
STPM 5712	12	3.0	61	20.6	8 j6	10.0	1.0	63.0
STPM 5718	18	3.0	81	20.6	8 j6	10.0	1.0	83.0
STPM 5720	20	3.0	86	20.6	8 j6	10.0	1.0	88.0
STPM 5722	22	4.0	90	20.6	8 j6	10.0	1.0	92.0

PRODUCT IDENTIFIER

STPM **NNNXXX - YYY**

- NNN = Nema size in mm (Nema 23 - 57 mm, NEMA 34-86mm
NEMA42 - 110 mm)
- XXX = Torque in Kg-cm
- YYYY = Current in Amp

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