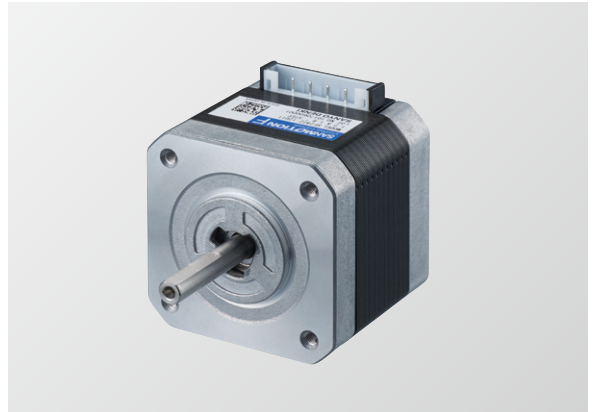


## SANMOTION F2 42 mm sq. 2-Phase Stepping Motors

Ideal for applications in devices such as ATM and medical inspection equipment

SANYO DENKI CO., LTD. has developed 42 mm sq. 2-phase stepping motors, expanding the product lineup of the SANMOTION F2 series.

With improved holding torque\* and reduced noise and vibration, these motors demonstrate industry-leading performance\*\* among stepping motors used in devices such as ATM and medical inspection equipment.



### Features

#### 1. Shortens positioning time

Holding torque has been increased approximately by 10% compared with our current model.\*\*\* This enables precise positioning and thereby shortens positioning time as well.

#### 2. Reduced noise

These motors have noise levels approximately 3 dB(A) lower than the current model.\*\*\*

#### 3. Energy-saving

Motor efficiency has been improved by 2.4% compared with the current model.\*\*\*

This contributes to reducing power consumption of devices and the motors' heat dissipation.

\* The maximum amount of torque generated when a stepping motor is excited by its rated current.

\*\* Based on our own research as of October 31, 2017, conducted among equally sized industrial 2-phase stepping motors on the market.

\*\*\* A comparison between our current model 103H5208-0440 and new model SF2422-12U41.

## Specifications

Model number		Flange size x Motor length [mm]	Holding torque at 2-phase excitation [N·m]	Rated current [A/phase]	Mass [kg]
Single shaft	Dual shaft				
SF2421-12U41	SF2421-12U11	42×33	0.22	1.2	0.23
SF2422-12U41	SF2422-12U11	42×39	0.33	1.2	0.3
SF2423-12U41	SF2423-12U11	42×48	0.4	1.2	0.38
SF2424-12U41	SF2424-12U11	42×59.5	0.58	1.2	0.51

## Applications

ATM, medical devices, semiconductor manufacturing equipment, conveying machines, index table driving

## Release Date

November 17, 2017

Note: The information stated in this release is current as of October 31, 2017

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