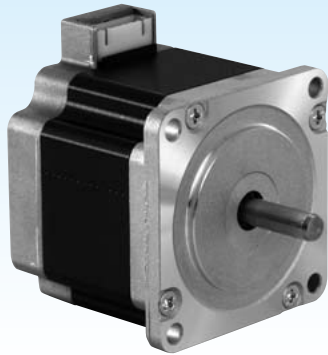


# SST59D SERIES

56mm ( NEMA 23 )



## ハイブリッドステップモータ(2相) 2 Phase Hybrid Step Motor

バイポーラ標準タイプ **Bipolar Standard Model**

1.8°

RoHS

Bipolar

Post Connector

### SPECIFICATIONS

MODEL	STEP ANGLE	VOLTAGE	CURRENT	RESISTANCE	INDUCTANCE	HOLDING TORQUE	ROTOR INERTIA	NUMBER OF LEADS	MASS	LENGTH
	deg	V	A/	/	mH/	mN·m	g·cm <sup>2</sup>	LEAD	kg	mm
SST59D110X	1.8	3.29	1.4	2.35	7.5	870	145	4	0.51	42.0
SST59D115X	1.8	2.21	2.1	1.05	3.4	870	145	4	0.51	42.0
SST59D120X	1.8	1.82	2.8	0.65	2.0	880	145	4	0.51	42.0
SST59D125X	1.8	1.51	3.5	0.43	1.3	890	145	4	0.51	42.0
SST59D130X	1.8	1.30	4.2	0.31	0.9	870	145	4	0.51	42.0
SST59D210X	1.8	3.85	1.4	2.75	9.2	1200	210	4	0.62	48.5
SST59D215X	1.8	2.52	2.1	1.20	4.1	1200	210	4	0.62	48.5
SST59D220X	1.8	1.96	2.8	0.70	2.4	1220	210	4	0.62	48.5
SST59D225X	1.8	1.68	3.5	0.48	1.6	1240	210	4	0.62	48.5
SST59D230X	1.8	1.43	4.2	0.34	1.1	1200	210	4	0.62	48.5
SST59D310X	1.8	4.41	1.4	3.15	11.1	1410	245	4	0.71	54.5
SST59D315X	1.8	2.94	2.1	1.40	5.1	1410	245	4	0.71	54.5
SST59D320X	1.8	2.38	2.8	0.85	3.0	1440	245	4	0.71	54.5
SST59D325X	1.8	1.93	3.5	0.55	2.0	1460	245	4	0.71	54.5
SST59D330X	1.8	1.72	4.2	0.41	1.3	1410	245	4	0.71	54.5
SST59D510X	1.8	6.72	1.4	4.80	19	2400	470	4	1.11	77.5
SST59D515X	1.8	4.41	2.1	2.10	8.4	2400	470	4	1.11	77.5
SST59D520X	1.8	3.50	2.8	1.25	4.9	2440	470	4	1.11	77.5
SST59D525X	1.8	2.98	3.5	0.85	3.3	2480	470	4	1.11	77.5
SST59D530X	1.8	2.52	4.2	0.60	2.2	2400	470	4	1.11	77.5

└─末尾 (Final Number) 5 : 片軸 (Single Shaft) 6 : 両軸 (Double Shaft)

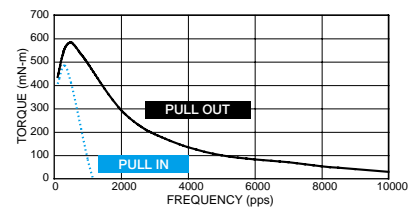
### DIMENSIONS (Example)

Header	JST : S 6B-XH-A-1
Mating connector	JST : XHP-6

MODEL	SHAFT Dia. ( D ) ( mm )
SST59D1 * * *	6.35
SST59D2 * * *	6.35
SST59D3 * * *	6.35
SST59D5 * * *	8

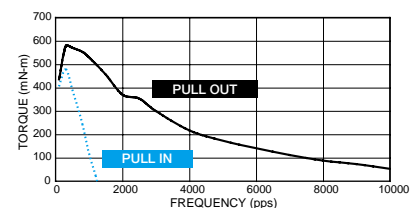
### SST59D1105

DRIVER : TYPE D  
VOLTAGE = DC24V  
CURRENT = 1.4 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g·cm<sup>2</sup>



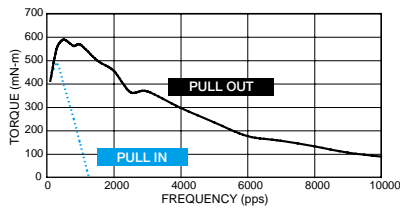
### SST59D1155

DRIVER : TYPE D  
VOLTAGE = DC24V  
CURRENT = 2.1 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g·cm<sup>2</sup>



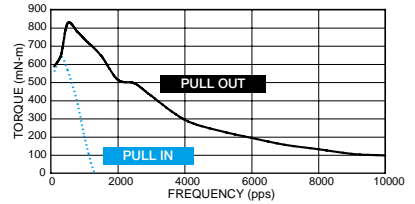
### SST59D1205

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 2.8 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



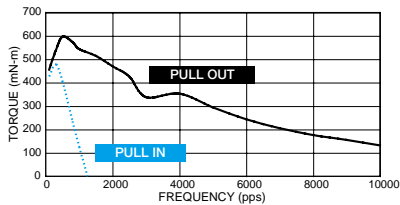
### SST59D2205

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 2.8 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



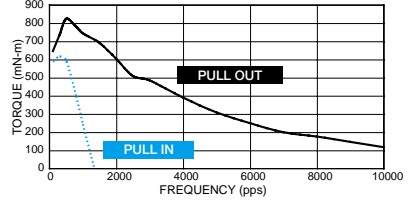
### SST59D1255

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 3.5 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



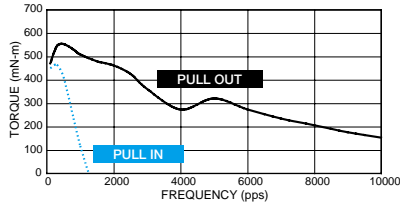
### SST59D2255

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 3.5 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



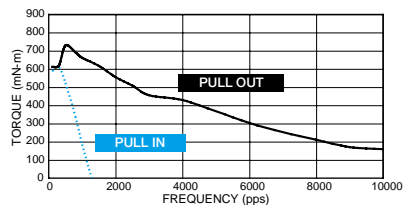
### SST59D1305

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 4.2 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



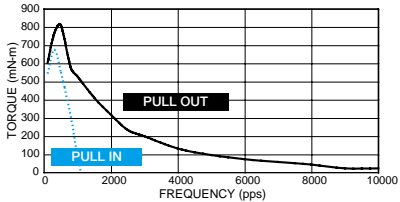
### SST59D2305

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 4.2 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



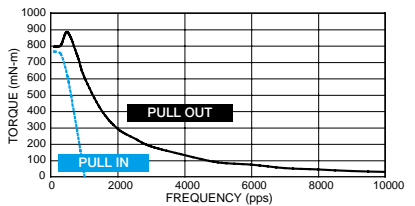
### SST59D2105

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 1.4 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



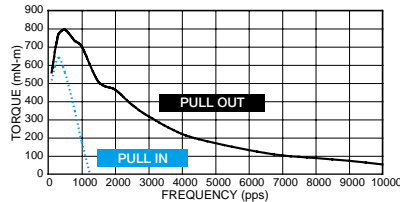
### SST59D3105

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 1.4 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



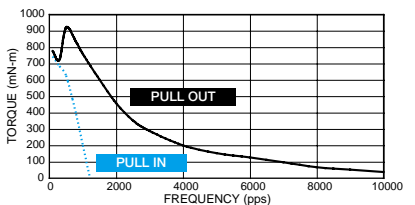
### SST59D2155

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 2.1 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



### SST59D3155

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 2.1 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



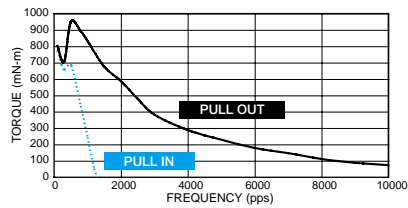
## INFORMATION

ご要求に応じて、巻線を最適にデザインいたします。  
 We can optimize motor winding based on customer requests.

ご注意：使用ドライバ、駆動条件によっては、モータがかなり発熱することがあります。モータの外被温度は100℃以下でお使いください。  
 Note : Depending on driver and driving condition, motor may generate excessive temperature. Recommended temperature on motor surface is 100°C max.

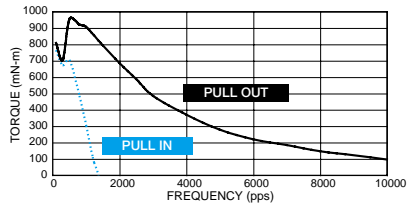
### SST59D3205

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 2.8 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



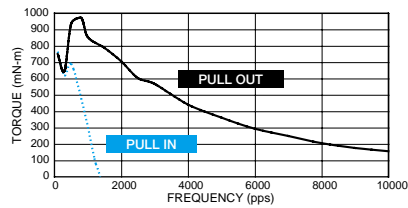
### SST59D3255

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 3.5 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



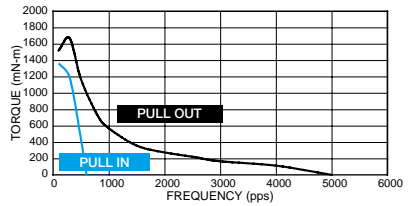
### SST59D3305

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 4.2 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



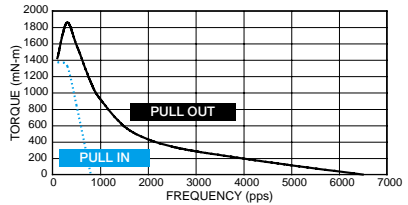
### SST59D5105

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 1.4 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



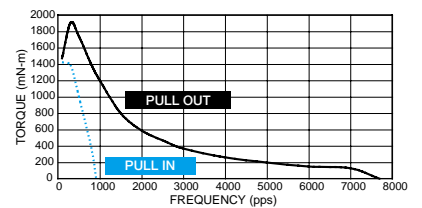
### SST59D5155

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 2.1 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



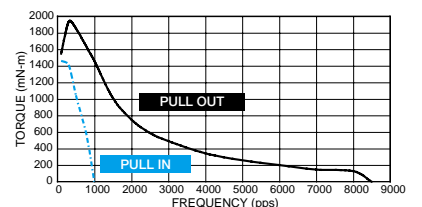
### SST59D5205

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 2.8 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



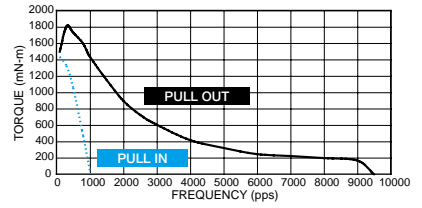
### SST59D5255

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 3.5 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



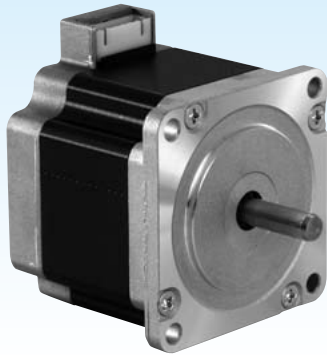
### SST59D5305

DRIVER : TYPE D  
 VOLTAGE = DC24V  
 CURRENT = 4.2 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



# SST59D SERIES

56mm ( NEMA 23 )



# ハイブリッドステップモータ(2相)

2 Phase Hybrid Step Motor

ユニポーラ標準タイプ Unipolar Standard Model

1.8°

RoHS

Unipolar

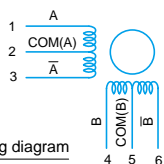
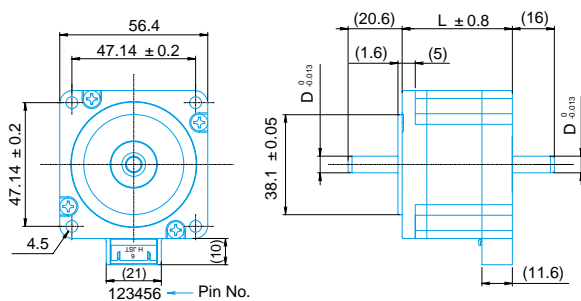
Post Connector

## SPECIFICATIONS

MODEL	STEP ANGLE	VOLTAGE	CURRENT	RESISTANCE	INDUCTANCE	HOLDING TORQUE	ROTOR INERTIA	NUMBER OF LEADS	MASS	LENGTH
	deg	V	A/	/	mH/	mN·m	g·cm <sup>2</sup>	LEAD	kg	mm
SST59D110X	1.8	4.7	1.0	4.7	7.5	667	145	6	0.51	42.0
SST59D115X	1.8	3.2	1.5	2.1	3.4	667	145	6	0.51	42.0
SST59D120X	1.8	2.6	2.0	1.3	2.0	678	145	6	0.51	42.0
SST59D125X	1.8	2.1	2.5	0.85	1.3	688	145	6	0.51	42.0
SST59D130X	1.8	1.9	3.0	0.62	0.9	667	145	6	0.51	42.0
SST59D210X	1.8	5.5	1.0	5.5	9.2	926	210	6	0.62	48.5
SST59D215X	1.8	3.8	1.5	2.5	4.1	926	210	6	0.62	48.5
SST59D220X	1.8	3.0	2.0	1.5	2.4	941	210	6	0.62	48.5
SST59D225X	1.8	2.5	2.5	1.0	1.6	955	210	6	0.62	48.5
SST59D230X	1.8	2.2	3.0	0.7	1.0	926	210	6	0.62	48.5
SST59D310X	1.8	6.3	1.0	6.3	11.1	1088	245	6	0.71	54.5
SST59D315X	1.8	4.2	1.5	2.8	5.1	1088	245	6	0.71	54.5
SST59D320X	1.8	3.4	2.0	1.7	3.0	1106	245	6	0.71	54.5
SST59D325X	1.8	2.8	2.5	1.1	2.0	1123	245	6	0.71	54.5
SST59D330X	1.8	2.5	3.0	0.8	1.3	1088	245	6	0.71	54.5
SST59D510X	1.8	9.6	1.0	9.6	19.0	1847	470	6	1.11	77.5
SST59D515X	1.8	6.3	1.5	4.2	8.4	1847	470	6	1.11	77.5
SST59D520X	1.8	5.0	2.0	2.5	4.9	1876	470	6	1.11	77.5
SST59D525X	1.8	4.2	2.5	1.7	3.3	1906	470	6	1.11	77.5
SST59D530X	1.8	3.6	3.0	1.2	2.2	1847	470	6	1.11	77.5

— 末尾 (Final Number) 0 : 片軸 (Single Shaft) 1 : 両軸 (Double Shaft)

## DIMENSIONS (Example)

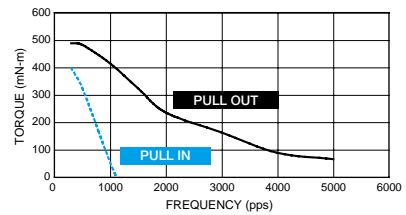


Header	JST : S 6B-XH-A-1
Mating connector	JST : XHP-6

SHAFT Dia. ( D )	
MODEL	D ( mm )
SST59D1***	6.35
SST59D2***	6.35
SST59D3***	6.35
SST59D5***	8

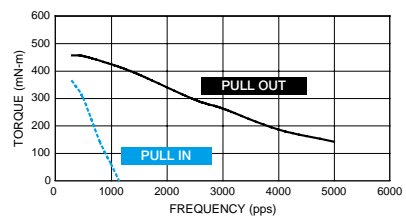
## SST59D1100

DRIVER : TYPE B (Vs=24v)  
CURRENT = 1.0 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g·cm<sup>2</sup>



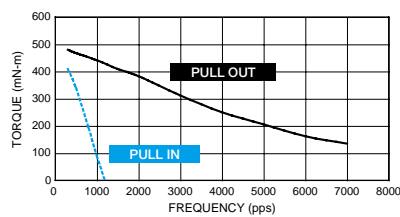
## SST59D1150

DRIVER : TYPE B (Vs=24v)  
CURRENT = 1.5 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g·cm<sup>2</sup>

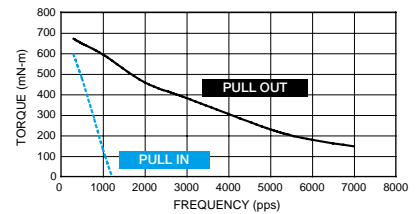


**SST59D1200**

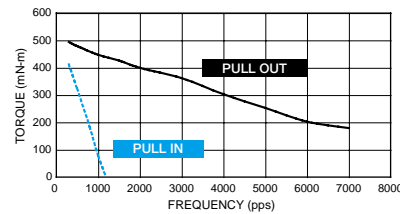
DRIVER : TYPE B (Vs=24v)  
CURRENT = 2.0 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g-cm<sup>2</sup>

**SST59D2200**

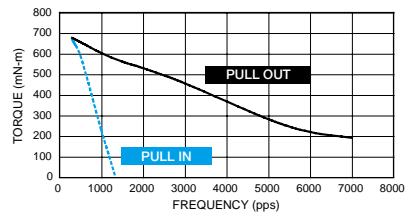
DRIVER : TYPE B (Vs=24v)  
CURRENT = 2.0 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g-cm<sup>2</sup>

**SST59D1250**

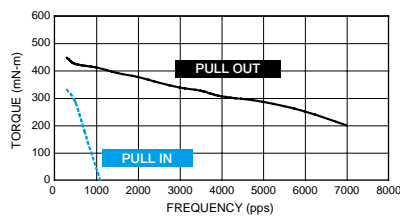
DRIVER : TYPE B (Vs=24v)  
CURRENT = 2.5 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g-cm<sup>2</sup>

**SST59D2250**

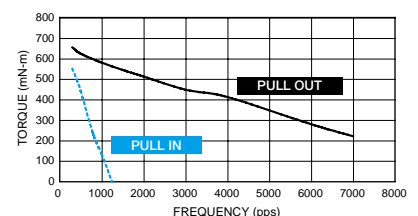
DRIVER : TYPE B (Vs=24v)  
CURRENT = 2.5 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g-cm<sup>2</sup>

**SST59D1300**

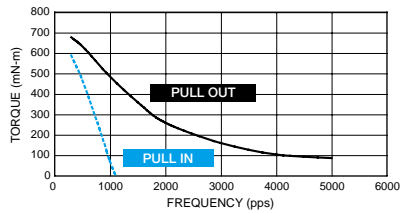
DRIVER : TYPE B (Vs=24v)  
CURRENT = 3.0 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g-cm<sup>2</sup>

**SST59D2300**

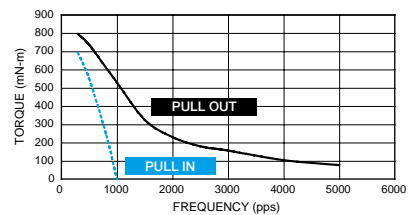
DRIVER : TYPE B (Vs=24v)  
CURRENT = 3.0 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g-cm<sup>2</sup>

**SST59D2100**

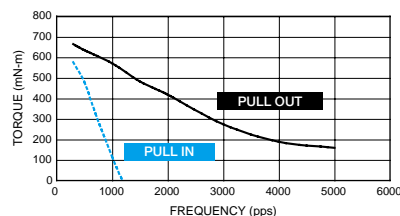
DRIVER : TYPE B (Vs=24v)  
CURRENT = 1.0 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g-cm<sup>2</sup>

**SST59D3100**

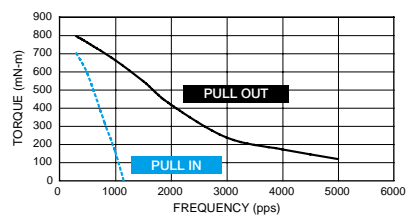
DRIVER : TYPE B (Vs=24v)  
CURRENT = 1.0 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g-cm<sup>2</sup>

**SST59D2150**

DRIVER : TYPE B (Vs=24v)  
CURRENT = 1.5 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g-cm<sup>2</sup>

**SST59D3150**

DRIVER : TYPE B (Vs=24v)  
CURRENT = 1.5 A/Phase  
EXCITING MODE = 2 Phase  
INERTIA LOAD : 100g-cm<sup>2</sup>

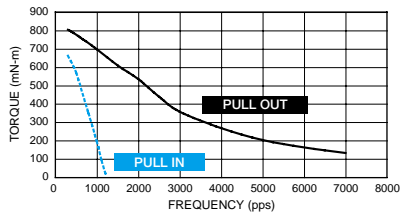
**INFORMATION**

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Note: Depending on driver and driving condition, motor may generate excessive temperature. Recommended temperature on motor surface is 100°C max.

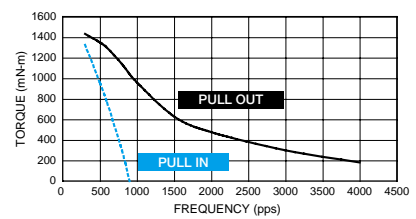
### SST59D3200

DRIVER : TYPE B (Vs=24v)  
 CURRENT = 2.0 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



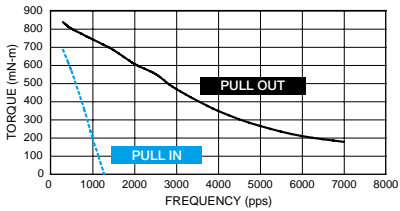
### SST59D5200

DRIVER : TYPE B (Vs=24v)  
 CURRENT = 2.0 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



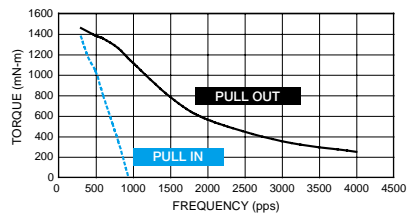
### SST59D3250

DRIVER : TYPE B (Vs=24v)  
 CURRENT = 2.5 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



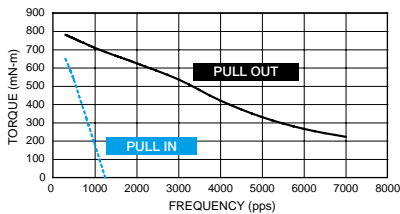
### SST59D5250

DRIVER : TYPE B (Vs=24v)  
 CURRENT = 2.5 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



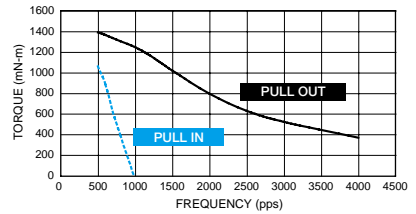
### SST59D3300

DRIVER : TYPE B (Vs=24v)  
 CURRENT = 3.0 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



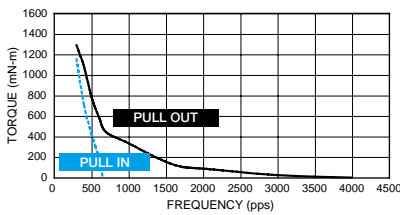
### SST59D5300

DRIVER : TYPE B (Vs=24v)  
 CURRENT = 3.0 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



### SST59D5100

DRIVER : TYPE B (Vs=24v)  
 CURRENT = 1.0 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>



### SST59D5150

DRIVER : TYPE B (Vs=24v)  
 CURRENT = 1.5 A/Phase  
 EXCITING MODE = 2 Phase  
 INERTIA LOAD : 100g-cm<sup>2</sup>

