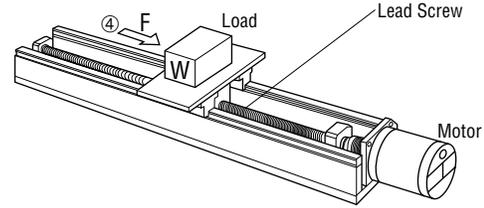
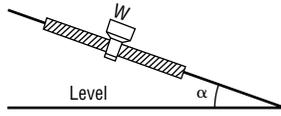


Product Recommendation Information Sheet

Lead Screw Application Information



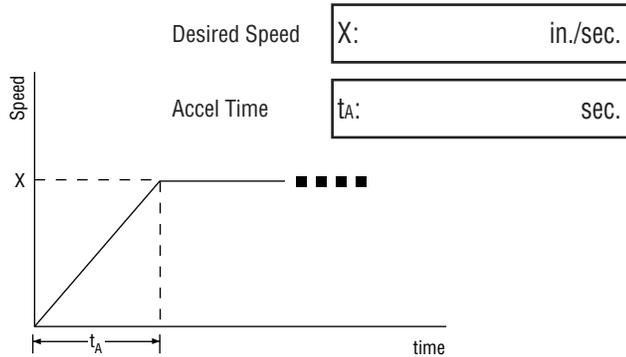
Move l Distance Within t Time

① Move Distance	l :	in.
② Time to Make Move	t :	sec.
③ Maximum Linear Speed	v :	in./sec.
④ Push/Pull Force Push Opposes, Pull Helps	F :	lb.
⑤ Stopping Accuracy	\pm :	in.
⑥ Work+Table Weight	W :	lb.
⑦ Screw Angle	α :	deg

⑧ Distance per Pulse (Step Motor)	Δl :	in.
⑨ Stop Time	t' :	sec.
⑩ Screw Diameter	D_B :	in.
⑪ Screw Length	L_B :	in.
⑫ Screw Pitch	P_B :	in./rev
⑬ Screw Efficiency	η :	%
⑭ Gear Ratio (If Applicable)	N :	_____ : 1 _____

Alternate Motion Profile

Be at X Speed Within t Time



Additional Information or Alternate Profile:

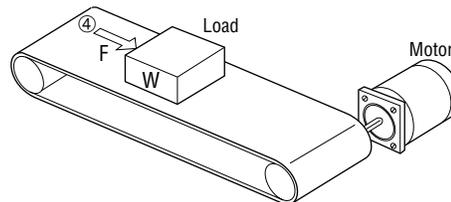
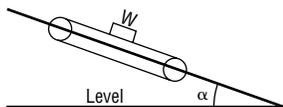
Customer Information

Name/Title: _____	TEL: _____	EXT: _____
Company: _____	FAX: _____	
Address: _____	Application: _____	
City/State/Zip: _____		

Please fill out as completely as possible and fax toll free: **1-800-309-7999**

Product Recommendation Information Sheet

■ Belt and Pulley Application



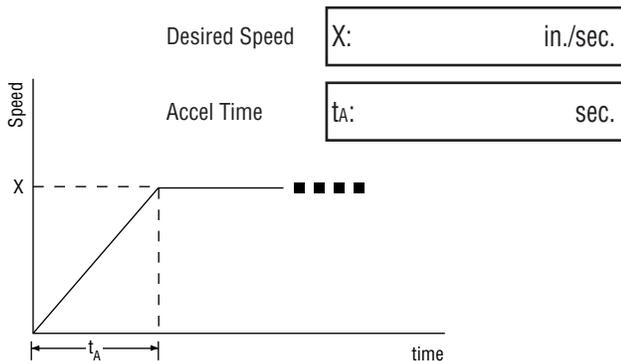
Move l Distance Within t Time

① Move Distance	l :	in.
② Time to Make Move	t :	sec.
③ Maximum Linear Speed	v :	in./sec.
④ Push/Pull Force Push Opposes, Pull Helps	F :	lb.
⑤ Stopping Accuracy	\pm :	in.
⑥ Work+ Table Weight	W :	lb.

⑦ Screw Angle	α :	deg
⑧ Distance per Pulse (Step Motor)	Δl :	in.
⑨ Stop Time	t' :	sec.
⑩ Pulley Diameter	DP :	in.
⑪ Pulley Weight	WP :	lb.

■ Alternate Motion Profile

Be at X Speed Within t Time



Additional Information or Alternate Profile:

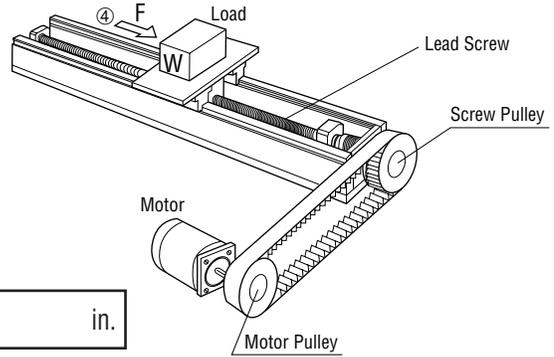
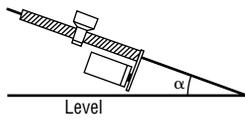
■ Customer Information

Name/Title: _____	TEL: _____ EXT: _____
Company: _____	FAX: _____
Address: _____	Application: _____
City/State/Zip: _____	_____

Please fill out as completely as possible and fax toll free: **1-800-309-7999**

Product Recommendation Information Sheet

■ Belt/Lead Screw Application Information

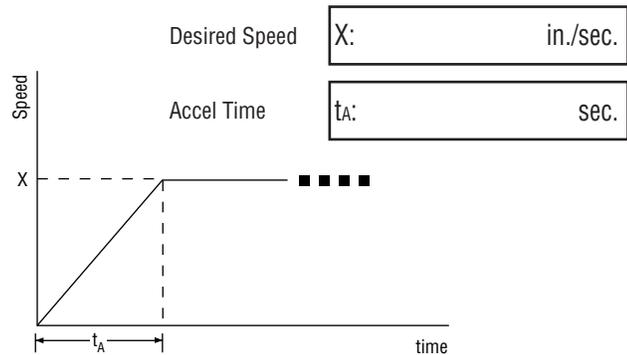


Move ℓ Distance Within t Time

① Move Distance	ℓ : <input type="text"/> in.	⑧ Distance per Pulse (Step Motor)	$\Delta \ell$: <input type="text"/> in.		
② Time to Make Move	t : <input type="text"/> sec.	⑨ Stop Time	t' : <input type="text"/> sec.		
③ Max. Linear Speed	v : <input type="text"/> in./sec.	⑩ Screw Diameter	D_B : <input type="text"/> in.		
④ Push/Pull Force Push Opposes, Pull Helps	F : <input type="text"/> lb.	⑪ Screw Length	L_B : <input type="text"/> in.	⑮ Diameter of Motor Pulley	D_{P1} : <input type="text"/> in.
⑤ Stopping Accuracy	\pm : <input type="text"/> in.	⑫ Screw Pitch	P_B : <input type="text"/> in./rev	⑯ Weight of Motor Pulley	W_{P1} : <input type="text"/> lb.
⑥ Work+ Table Weight	W : <input type="text"/> lb.	⑬ Screw Efficiency	η : <input type="text"/> %	⑰ Diameter of Screw Pulley	D_{P2} : <input type="text"/> in.
⑦ Screw Angle	α : <input type="text"/> deg	⑭ Belt Weight	W_B : <input type="text"/> lb.	⑱ Weight of Screw Pulley	W_{P2} : <input type="text"/> in.

■ Alternate Motion Profile

Be at X Speed Within t_A Time



Additional Information or Alternate Profile:

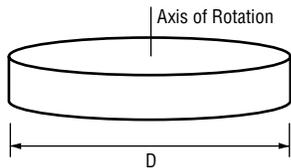
■ Customer Information

Name/Title: _____	TEL: _____ EXT: _____
Company: _____	FAX: _____
Address: _____	Application: _____
City/State/Zip: _____	_____

Please fill out as completely as possible and fax toll free: **1-800-309-7999**

Product Recommendation Information Sheet

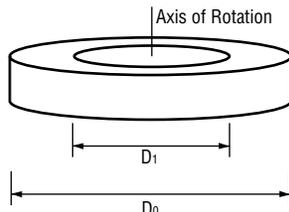
Direct Drive/Gear Driven Rotary Load



Diameter in.

Weight oz.

Gear Ratio : 1

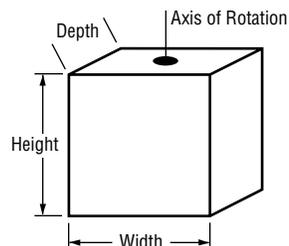


Inner Diameter D_1 in.

Outer Diameter D_0 in.

Weight oz.

Gear Ratio : 1



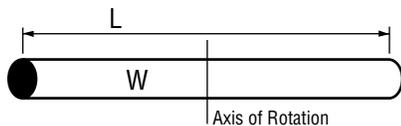
Height in.

Width in.

Depth in.

Weight oz.

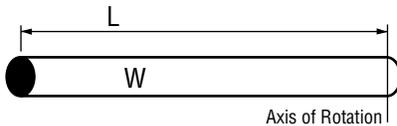
Gear Ratio : 1



Length in.

Weight oz.

Gear Ratio : 1



Length in.

Weight oz.

Gear Ratio : 1

Motion Profile

Move X Distance Within t Time

Distance degrees

Time sec.

Be at X Speed Within t Time

Speed rev/sec.

Time sec.

or

Additional Information or Alternate Profile:

Customer Information

Name/Title: _____ TEL: _____ EXT: _____

Company: _____ FAX: _____

Address: _____ Application: _____

City/State/Zip: _____

Please fill out as completely as possible and fax toll free: **1-800-309-7999**

Product Recommendation Information Sheet

■ Ventilation Cooling, Exhaust

Total heating value and power consumption in equipment

Q:	W
Total input: Pin	W
Total output: Pout	W
Efficiency:	%

Equipment Dimensions

Width: W	in.
Height: h	in.
Depth: d	in.
Material, Coating:	
→Emissivity	%

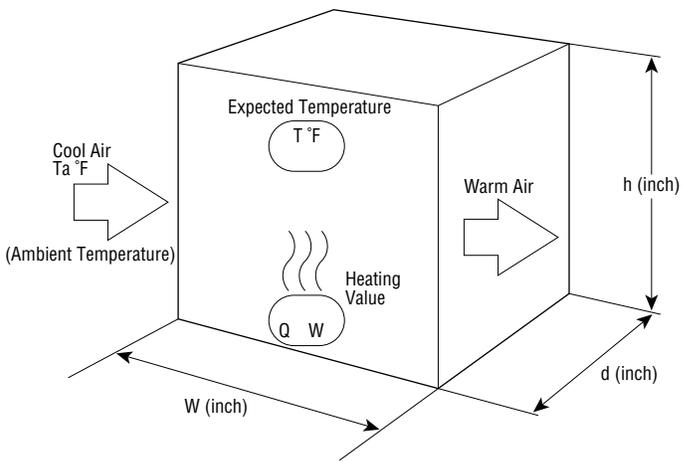
Max. Temperature in Equipment
(Expected Temperature)

T: °F

* Please include as much information as possible (such as mounting position, inlet and outlet position, etc).

Ambient Temperature
(Cool Air)

Ta: °F



■ Customer Information

Name/Title: _____	TEL: _____	EXT: _____
Company: _____	FAX: _____	
Address: _____	Application: _____	
City/State/Zip: _____		

Please fill out as completely as possible and fax toll free: **1-800-309-7999**

Safety Standards

List of Safety Standard Approved Products

ISO 9001/ ISO 14001

Global Power Supply Voltagess

Product Line Updates

Product Index

Oriental Motor Corporate Overview

Oriental Motor Global Sales Network

Product Recommendation Information Sheets

Conversion Charts

Product Recommendation Information Sheet

■ Ducted Exhaust

Required Exhaust Volume

Q:		in. ³ /min
	Required air flow speed	
	: V	in./sec
	Where	

Duct Dimensions

φD:		in.
-----	--	-----

Filter Characteristics

Air Flow Speed	in./sec
Pressure Loss	in. H ₂ O

Suction Opening Shape

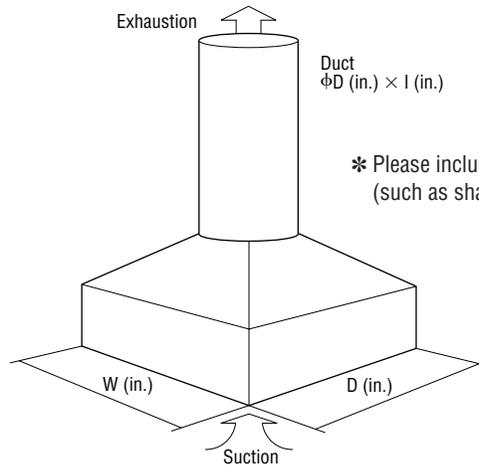
W:		inch × D:		in.
----	--	-----------	--	-----

Exhausted Air Temperature

	°F
--	----

Exhaust Opening Shape

W:		inch × D:		in.
----	--	-----------	--	-----



■ Customer Information

Name/Title: _____	TEL: _____ EXT: _____
Company: _____	FAX: _____
Address: _____	Application: _____
City/State/Zip: _____	_____

Please fill out as completely as possible and fax toll free: **1-800-309-7999**

Conversion Charts

B = A × multiply unit

● Length

A \ B	mm	cm	m	in.
mm	1	0.1	0.001	0.0393701
cm	10	1	0.01	0.393701
m	1000	100	1	39.3701
in.	25.4	2.54	0.0254	1

● Weight

A \ B	g	kg	oz.	lb.
g	1	0.001	0.035274	0.00220462
kg	1000	1	35.274	2.20462
oz.	28.3495	0.0283495	1	0.0625
lb.	453.592	0.453592	16	1

● Inertia

A \ B	kg-cm ²	g-cm ²	oz-in ²	oz-in-sec ²	lb-in ²	lb-in-sec ²
kg-cm ²	1	10 ³	5.46745	0.0141612	0.341718	8.85076×10 ⁻⁴
g-cm ²	10 ⁻³	1	5.46745×10 ⁻³	1.41612×10 ⁻⁵	3.41718×10 ⁻⁴	8.85076×10 ⁻⁷
oz-in ²	0.182899	182.899	1	2.59009×10 ⁻³	0.0625	1.61880×10 ⁻⁴
oz-in-sec ²	70.6154	7.06154×10 ⁴	386.088	1	24.1305	0.0625
lb-in ²	2.92630	2.92630×10 ³	16	0.0414414	1	2.59007×10 ⁻³
lb-in-sec ²	1.12985×10 ³	1.12985×10 ⁶	6.17740×10 ³	16	386.0892	1

● Torque

A \ B	N-m	N-cm	dyn-cm	kg-cm	g-cm	oz-in	lb-in
N-m	1	100	10 ⁷	10.19716	1.019716×10 ⁴	141.6121	8.850759
N-cm	10 ⁻²	1	10 ⁵	0.1019716	101.9716	1.416121	0.08850759
dyn-cm	10 ⁻⁷	10 ⁻⁵	1	1.019717×10 ⁻⁶	1.019717×10 ⁻³	1.416121×10 ⁻⁵	8.850759×10 ⁻⁷
kg-cm	9.80665×10 ⁻²	9.80665	9.80665×10 ⁵	1	10 ³	13.887407	0.8679630
g-cm	9.80665×10 ⁻⁵	9.80665×10 ⁻³	980.665	10 ⁻³	1	0.013887407	8.679630×10 ⁻⁴
oz-in	7.061541×10 ⁻³	0.7061541	7.061541×10 ⁴	0.07200768	72.00768	1	0.0625
lb-in	0.1129846	11.29846	1.129846×10 ⁶	1.1521228	1.1521228×10 ³	16	1

● Air Flow

A \ B	ℓ/s	ℓ/m	m ³ /m	m ³ /h	CFM
ℓ/s	1	60	0.06	3.6	2.11888
ℓ/m	1.67×10 ⁻²	1	10 ⁻⁴	0.06	3.531467×10 ⁻²
m ³ /m	16.7	10 ³	1	60	35.31467
m ³ /h	0.278	16.7	1.67×10 ⁻²	1	0.58858
CFM	0.47195	28.31685	2.831685×10 ⁻²	1.69901	1

● Static Pressure

A \ B	Pa	mmH ₂ O	in.H ₂ O
Pa	1	0.10197	4.01463×10 ⁻³
mmH ₂ O	9.80665	1	3.93701×10 ⁻²
in.H ₂ O	249.08891	25.4	1

● Temperature

$$(^{\circ}\text{F} - 32) \times \frac{5}{9} = ^{\circ}\text{C}$$

$$[\text{Temperature difference: } ^{\circ}\text{F} \times \frac{5}{9} = ^{\circ}\text{C}]$$

