

PERFORMANCE

Output Force, sine pk
Output Force, random RMS
Output Force, sine pk (natural air cooling)
Stroke Length, pk-pk
Frequency Range
First Resonance Frequency, nominal
Maximum Acceleration, sine pk
Maximum Velocity, sine pk
Protection Features

100 (440)
70 (310)
50 (220)
1.0 (25.4)
2 - 5400
>3600
102 (1000)
5.2 (1.6)
Over-travel
Over-current

lbf (N)
lbf (N)
lbf (N)
in (mm)
Hz
Hz
g (m/s²)
ft/s (m/s)

[1]
[1]
[2]
[3]

[4]

Suspension Axial Stiffness
ELECTRICAL
Maximum Current
DC Resistance, armature

66 (11.5)
10
3.8

lbf/in (N/mm)
A
Ω

[5]

MECHANICAL

Armature Suspension System
Effective Armature Mass
Dimensions (h x w x d), nominal

8
1 (0.44)
12x12x8
30.5x30.5x20.3
33 (15)
M6 with chuck/collet

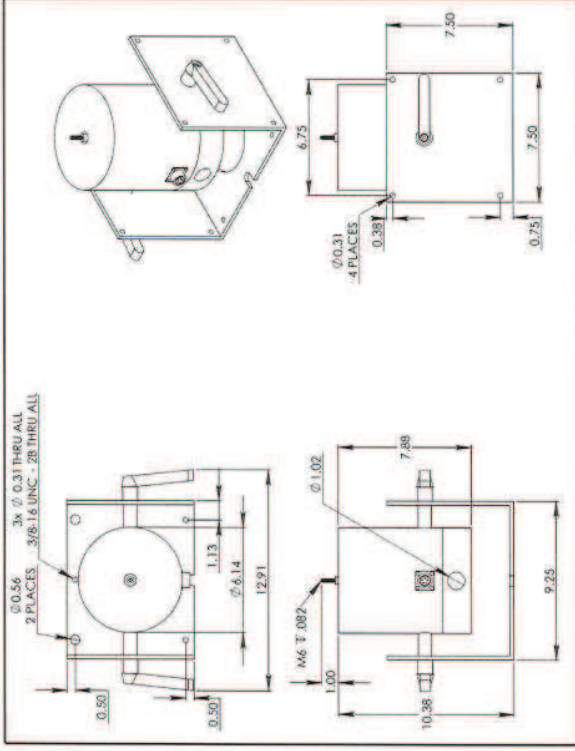
pcs composite beam
lb (kg)
in
cm
lbs (kg)

[6]

Weight
Armature attachment
ENVIRONMENTAL
Operating Range
Continuous Operation

41 - 95 (5 - 35)
< 85
8

°F (°C)
% RH
hours



RELATED EQUIPMENT

2100E21-400 SmartAmp™ Power Amplifier
2050E05 Power Amplifier, selectable voltage / current control
2100E18 Power Amplifier
2150G12 Modal Stingers, 1/16" diameter rod with 10-32 threaded end, pack of three
2155G12 Modal Stingers, 3/32" diameter rod with 10-32 threaded end, pack of three
K2160G Piano Wire Stinger Kit, includes quick disconnect load cell adapter
2050A Lateral Excitation Stand
2050E03 Cooling Package, 110V portable
2050E16 Cooling Package, 220V portable

NOTES:

- [1] Full force range requires forced air cooling and 2100E18 power amplifier
- [2] Requires 2100E18 power amplifier, otherwise maximum output force is 35 lbf.
- [3] Overtravel limit switch at ±13 mm
- [4] 10A fuse
- [5] Room temperature, 20° C
- [6] Reference outline drawing for exact dimensions

SUPPLIED ACCESSORIES:

- Qty 1 exciter cable
- Qty 1 shaker accessory kit
- Qty 3 stinger, 1/16" diameter (2150G12)
- Qty 3 stinger, 3/32" diameter (2155G12)
- Qty 1 piano wire stinger kit (K2160G)

All specifications are at room temperature unless otherwise specified.

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In the interest of constant product improvement, specifications may change without notice.



3149 East Kemper Road
Cincinnati, OH 45241

800-860-4867 Fax (513) 458-2172
513-351-9919

info@modalshop.com
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Project Engineer: *AFG*
Date: 8/12/11

Product Manager: *MAP*
Date: 8.12.11

Mkt Team Leader: *DWS*
Date: 8/12/11

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