



E40086A-PA6400 SYSTEM DATASHEET



SYSTEM PERFORMANCE	METRIC	IMPERIAL
Sine Force Peak kN (lbf)	392	88,125
Random Force rms kN (lbf)	274	61,598
Shock Force (6ms) kN (lbf)	784	176,250
Useful Frequency Range Hz	5 - 1,700	5 - 1,700
Continuous Displacement mm (in)	51	2.0
Shock Displacement mm (in)	51	2.0
Max Velocity m/s (in/s)	1.8	70.9
Max Acceleration Sine Peak m/s ² (g)	980	100

Water-cooled system ideally suited to test large-sized electronic parts, connectors, hand-held units and mechanical assemblies.

- Continuous displacement 51 mm (2.0 in)
- Useable frequency range 5 - 1,700 Hz
- Max static payload 6,000 kg (13,288 lb)
- Air-cooled amplifier efficiency > 90%
- Rugged isolated trunnion

E40086A SHAKER	METRIC	IMPERIAL
Armature Diameter mm (in)	860	33.9
Armature Material	Al	Al
Effective Armature Mass kg (lb)	350	772
Armature Insert Pattern PCD mm (in)	8-200/8-400/8-600/8-800	8-8/8-16/8-24/8-32
Armature Insert Threads	M16	5/8 - 11 UNC
First Resonant Frequency (bare table) ±5% Hz	1,340	1,340
Max Static Payload kg (lb)	6,000	13,228
Natural Frequency Thrust Axis Hz	< 10	< 10
Shaker Weight Uncrated kg (lb)	23,500	51,809
Dimensions Uncrated (W x D x H) mm (in)	3,250 x 1,550 x 2,000	128.0 x 61.0 x 78.7

SLIP TABLES
Mono-base slip tables in a wide-range of sizes and configurations for maximum over-turning moment and cross-axial restraint

PA6400 POWER AMPLIFIER	METRIC	IMPERIAL
Number of Sub-modules Supplied	80	80
Rated Power Output kVA	400	400
Rated Output Voltage V rms	100	100
Rated Output Current A rms	4,000	4,000
Number of Cabinets	6	6
System Required Power kVA	510	510
Amplifier Weight Uncrated kg (lb)	4,000	8,818
Dimensions Uncrated (W x D x H) mm (in)	3,480 x 850 x 1,800	137.0 x 33.5 x 70.9

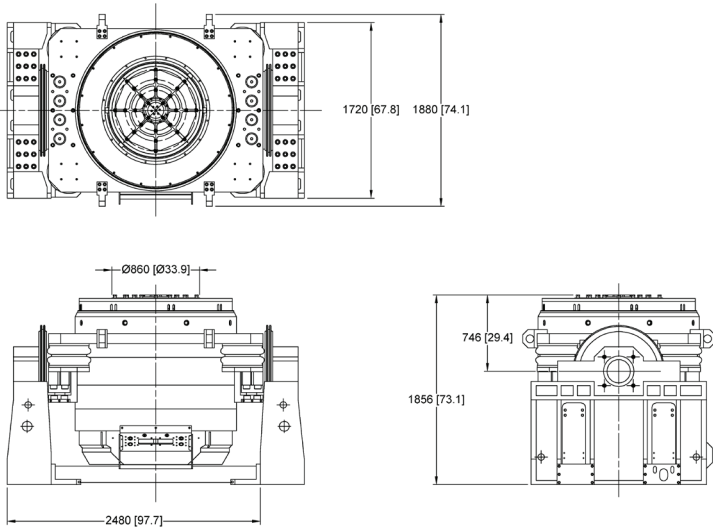
OPTIONS & ACCESSORIES
Sentek Dynamics offers a wide selection of options and accessories for unique applications and complete turn-key systems.

- Custom armature and slip table insert patterns and threads available
- Air-isolation feet, pads and mounts to eliminate need for seismic floor
- Thermal barrier for use with environmental test chambers
- Remote control panel for remote operation

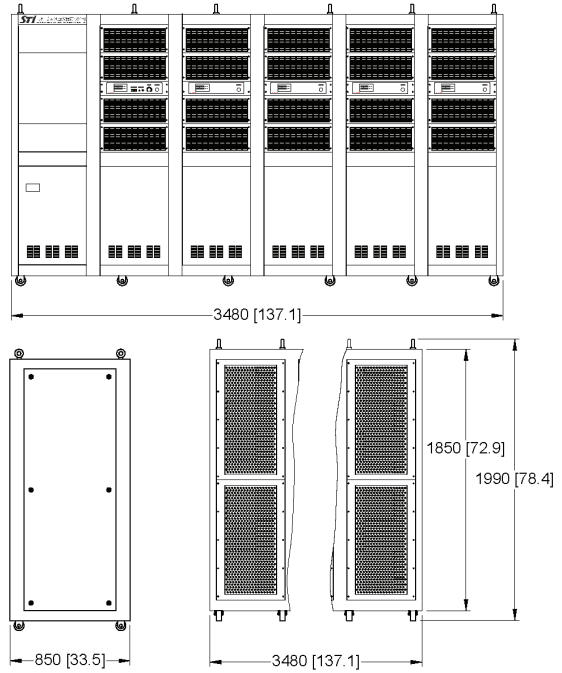
CU-7 WATER COOLING UNIT	METRIC	IMPERIAL
Power Requirement (3-phase) kVA	8	8
Min Facility Cooling Water (Flow L/Min) (gpm)	533	140.8
Max Facility Cooling Water Temp °C (°F)	25	77
Dimensions (W x D x H) mm (in)	1,000 x 1,000 x 1,900	39.4 x 39.4 x 74.8
Cooling Unit Weight Uncrated kg (lb)	700	1,543



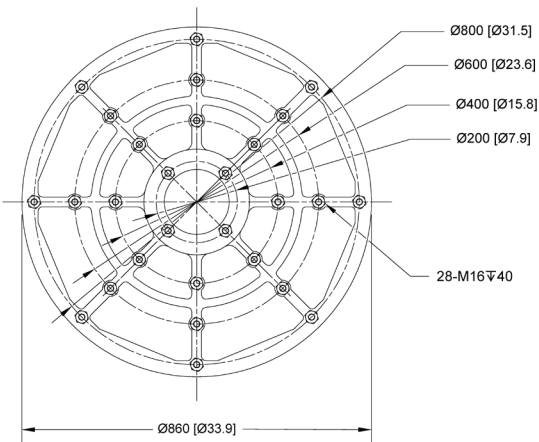
SHAKER MODEL E40086A



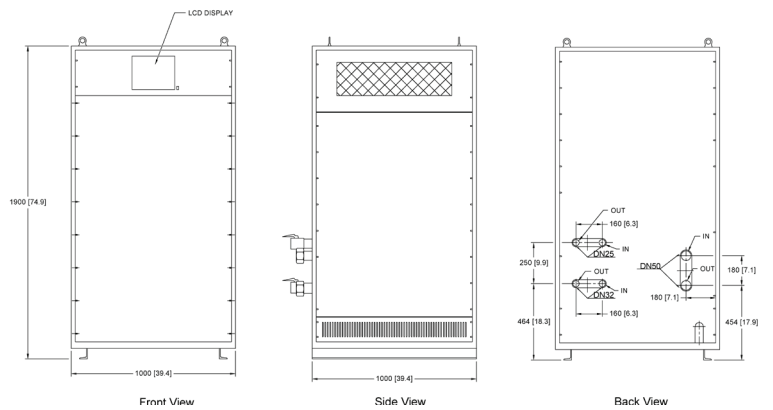
POWER AMPLIFIER MODEL PA6400



ARMATURE INSERT PATTERN



WATER COOLING UNIT CU-7



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