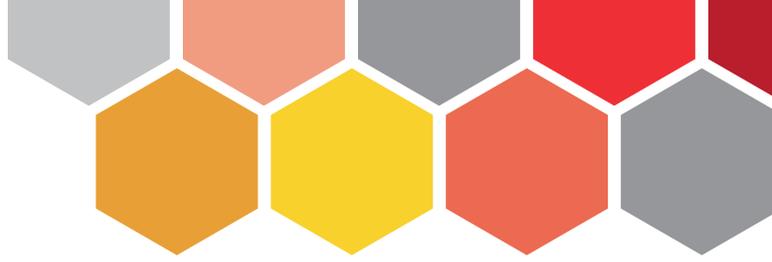




# P8044A-PA280 SYSTEM DATASHEET



SYSTEM PERFORMANCE	METRIC	IMPERIAL
Sine Force Peak kN (lbf)	78.4	17,625
Random Force rms kN (lbf)	78.4	17,625
Shock Force (6ms) kN (lbf)	156.8	35,250
Useful Frequency Range Hz	5-2500	5-2500
Continuous Displacement mm (in)	51	2.0
Shock Displacement mm (in)	51	2.0
Max Velocity m/s (in/s)	2	78.7
Max Acceleration Sine Peak m/s <sup>2</sup> (g)	1470	150

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

- Continuous displacement 51 mm (2.0 in)
- Useable frequency range 5 - 2500 Hz
- Max static payload 800 kg (1764 lb)
- Air-cooled amplifier efficiency > 90%
- Rugged isolated trunnion

P8044A SHAKER	METRIC	IMPERIAL
Armature Diameter mm (in)	445	17.5
Armature Material	Al	Al
Effective Armature Mass kg (lb)	53	117
Armature Insert Pattern PCD mm (in) plus 1 in center	8-200/8-400	8-8/8-16
Armature Insert Threads	M16	1/2 - 13 UNC
First Resonant Frequency (bare table) ±5% Hz	2200	2200
Max Static Payload kg (lb)	800	1764
Natural Frequency Thrust Axis Hz	< 5	< 5
Shaker Weight Uncrated kg (lb)	4500	9921

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

PA280 POWER AMPLIFIER	METRIC	IMPERIAL
Number of Sub-modules Supplied	18	18
Rated Power Output kVA	80	80
Rated Output Voltage V rms	90	90
Rated Output Current A rms	900	900
Number of Cabinets	2	2
System Required Power kVA	110	110
Amplifier Weight Uncrated kg (lb)	1650	3638
Dimensions Uncrated (W x D x H) mm (in)	1160 x 850 x 1800	45.7 x 33.5 x 70.9

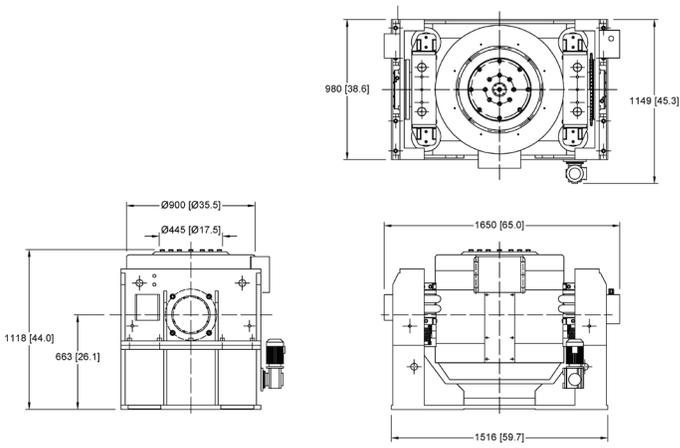
**OPTIONS & ACCESSORIES**  
Sentek Dynamics offers a wide selection of options and accessories for unique applications and complete turn-key systems.

- 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

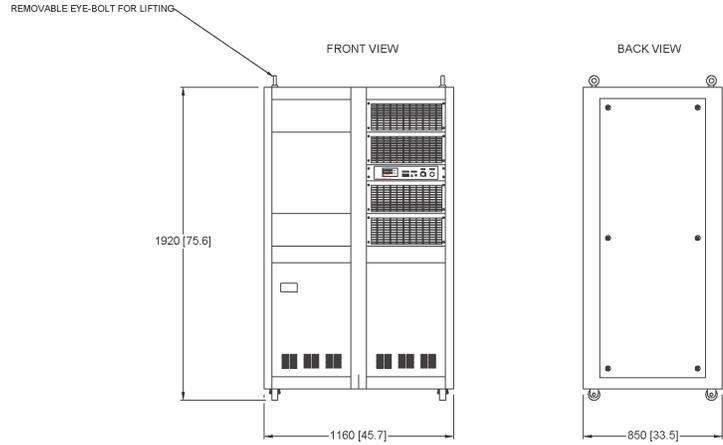
CU-2 WATER COOLING UNIT	METRIC	IMPERIAL
Power Requirement (3-phase) kVA	2.4	2.4
Min Facility Cooling Water (Flow L/Min) (gpm)	200	52.8
Max Facility Cooling Water Temp °C (°F)	25	77
Dimensions (W x D x H) mm (in)	1000 x 1000 x 1900	39.4 x 39.4 x 74.8
Cooling Unit Weight Uncrated kg (lb)	400	882



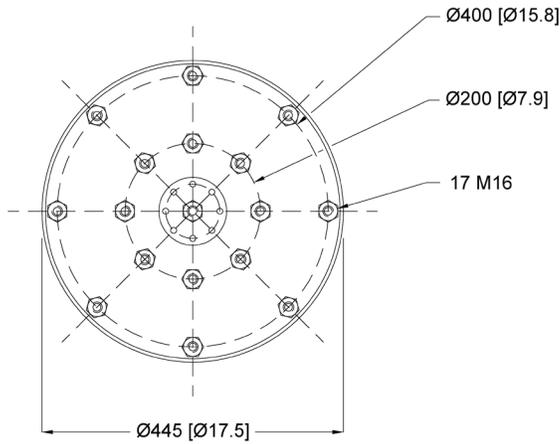
## SHAKER MODEL P8044A



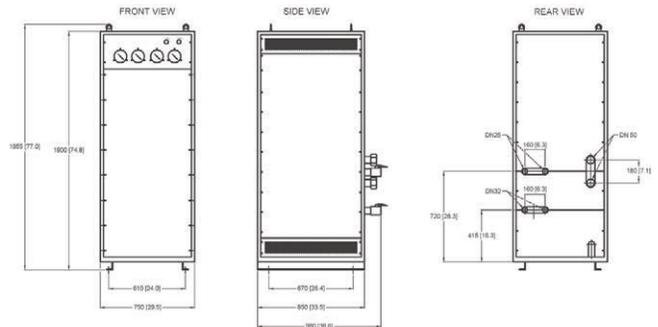
## POWER AMPLIFIER MODEL PA280



## ARMATURE INSERT PATTERN



## WATER COOLING UNIT CU-2



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