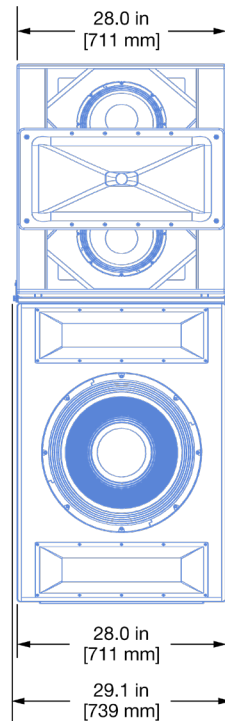


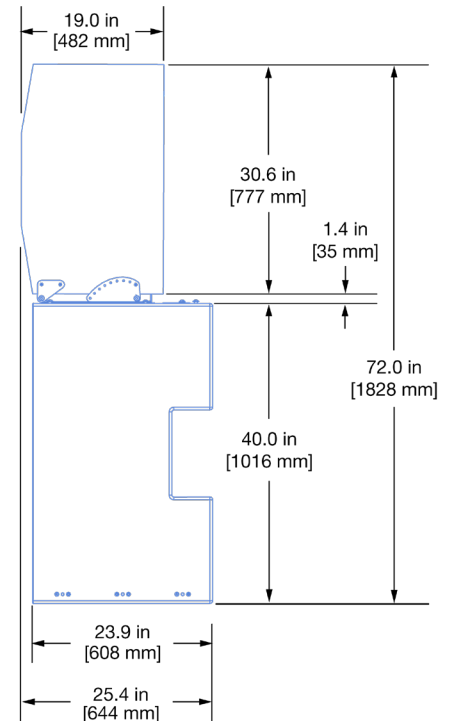
ASTRYA-140 DATASHEET



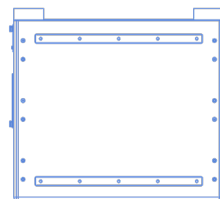
CINEMA



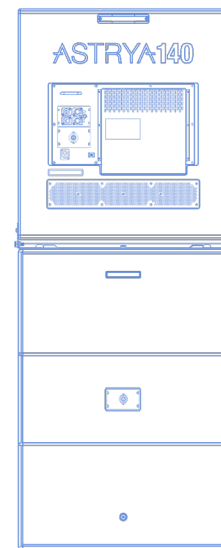
Front



Side



Bottom



Rear

SPECIFICATIONS

ACOUSTICAL	
Operating Frequency Range	30 Hz - 20 kHz, ± 3 dB
Phase Response	40 Hz - 22 kHz, $\pm 45^\circ$
Dynamic Range ¹	126 dB
AES75 Maximum Linear Sound Levels	126.5 dBZ, 142.6 dBZpk with an RMS input level of -16.8 dBFS digital
SMPTE ST-2095 Maximum Linear Sound Levels (2 π)	129.8 dBZ, 142.7 dBZpk with an RMS input level of -18.3 dBFS digital

SPECIFICATIONS, CONT'D.

APPLICATION	
Application	Screen Channel
Maximum Reference Listening Position ²	95 feet (29 m)
Maximum Room Length ²	140 feet (42.6 m)
CROSSOVER POINTS	
Low to Mid	95 Hz Nominal
Mid to High	500 Hz Nominal
COVERAGE	
Horizontal Coverage	100°
Vertical Coverage	60°
PHYSICAL	
Weight	310 lbs. (140.6 kg) ± 5 lb (2.3 kg)
Enclosure	Premium multi-ply birch, slightly textured black finish
Rigging	MH to LF connecting hardware, allows MH ± 30 deg pan, ± 20 deg tilt Floor mounting brackets included
IEC Ingress Protection Rating (IP Rating)	Indoor use only
AC POWER	
Connector	Neutrik powerCON® TRUE1 TOP
Operating Voltage Range	200 – 240 V AC, 50 or 60 Hz
POWER CONSUMPTION	
Max Long-Term Continuous Power (>10 sec) ³	1100 W
Burst Power (<1 sec)	2500 W
DIGITAL AUDIO INPUT	
Connector	Neutrik etherCON® TOP
Digital Format	AES67, SMPTE 2110 Compliant
MONITORING	
Telemetry	Loudspeaker telemetry transmitted via the Ethernet port, displayed in software
TRANSDUCERS	
Low Frequency	One 21-inch long-excursion cone driver
Mid Frequency	Two 12-inch long-excursion cone drivers
High Frequency	One 4-inch diaphragm compression driver coupled to a horn

NOTES

1. Dynamic range is the difference between dBZpk and dBA(rms).
2. In a SMPTE ST-202 calibrated room of this depth, SMPTE ST-2095 Pink Noise renormalized to the maximum level without clipping can be linearly reproduced.
3. Total resistance of the electrical supply cable must be less than 4 Ohms at 208 V AC to prevent excess voltage sag during high-output reproduction. For each ASTRYA-140, the recommended electrical circuit includes a thermal circuit breaker rated for 15 A.