

# SME

*Since 1946*



The Model 12A is a valuable addition to our range of precision turntables which mirrors the exacting standards and engineering excellence of our senior Models. The design aim was to create high mass, small footprint and high performance. Novel features include polymer isolators contributing to a pleasing detailed sound balance that encourages fresh exploration of any record collection.

## MODEL 12A

# MODEL 12A PRECISION TURNTABLE



## SPECIFICATIONS

The Model 12A comes equipped with an SME Model 309 tonearm.

The platter is machined from aluminium alloy and weighs over 4.6kg (10lb). It is extensionally damped, the top surface being diamond-turned with a fine scroll. This method of finishing upsets a myriad of tiny fibres which interface with the underside of the record.

A substantial clamp operating on the reflex principle ensures the largest possible platter contact even when appreciable record warp is present.

The main spindle is 019.0 mm (3/4") machined from high chrome tool steel, ground, super finished and supported in a sealed housing with individually fitted sintered bronze bearings of generous proportions needed to support the platter.

The Model 12A motor conforms to the highest standards of silent running in a turntable.

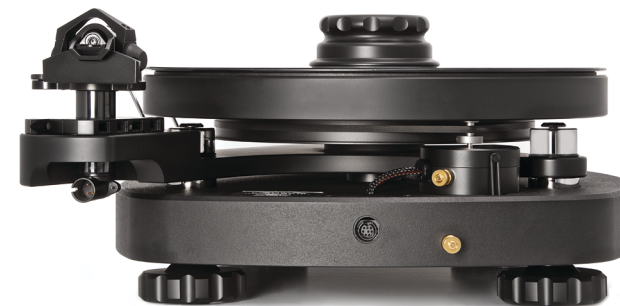
The turntable is driven by a 3-phase, brushless outrunner inductance motor with 8-pole Neodymium magnets and 3 integrated Hall position sensors.

## POWER SUPPLY UNIT

The electronic control unit uses a high-performance microprocessor, optimised for motor control. Closed loop speed control is implemented using a proportional plus integral (PI) algorithm. Speed ranges are 33.3, 45 and 78 rpm, with fine pitch speed adjustment allowing increments / decrements of +/- 0.01% of the selected speed.

The electronic control circuitry and power supply unit are housed in an external one-piece CNC machined case. This new design offers complete isolation and support and is the perfect environment for the electronics. Speed selection controls are mounted on the front facia panel with LED indicators.

Mains voltages available are 90-110V, 105-125V and 220-240V 50/60Hz. Please specify when ordering.



## DIMENSIONS

### Turntable

Width	370.0mm (14.57")
Depth	350.0mm (13.80")
Height	178.0mm (7.0") to top of Arm
Platter Diameter	304.0mm (11.97")
Spindle to Arm	215.35mm (8.48")
Net Weight	25.90Kg (571b)
Shipping Weight	31.00Kg (681b)

### Power Supply Unit

Width	170mm (6.75")
Depth	305mm (12.0")
Height	68mm (2.65")

The Model 12A precision turntable is available in the UK from leading audio stockists only. Availability outside the UK is made through appointed distributors in the countries concerned. Please contact our sales department for further information.

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Printed in England