



KUZMA XL AIR turntable

## **KUZMA XL AIR KIT BROCHURE**

**The XL AIR KIT** upgrades **Stabi XL DC** turntable into an **XL AIR** turntable.

**NOTE:** Choose a suitable supporting table which can hold over 120 kg kg without warping.

XL AIR differs from previous Stabi XL DC by using an air bearing and an extra bronze platter with a total mass of 44 kg. The base holding the air bearing is made from two pieces of solid brass which are clamped together having good damping properties.

XL AIR turntable's air bearing compared to a conventional bearing improves two important parameters in turntable design. An air bearing has almost zero friction and thus no vibration in the bearing itself thus eliminating noise reaching the cartridge. The second advantage with a properly designed air bearing (not just simply floating on an air cushion) is a higher load. The total mass of the rotating platter is 44 kg making it more immune to cartridge drag which slows down any platter regardless of mass and drive.

An air bearing requires compressed air which is supplied from an air supply.

The air supply consists of a compressor and air filters. Air bearing surfaces are made from porous carbon which has millions of small holes to let air pressure out. This creates more uniform pressure inside the bearing's gap of 5 microns with 4bar pressure, thus making the air bearing stiffer with zero movement.

The top platter, same as in the XL DC turntable (22 kg), is a sandwich construction of aluminium and acrylic plates screwed together in a pre-stressed form to damp all unwanted vibration. The lower bronze platter (22kg) is cast and gives good damping properties.



Turntable's new parts



Compressor with PVC bottles

Modification can only be done on the XL DC turntable- if you have XL, XL2 or XL4 version you would need first to convert your turntable into the XL DC version ( AC motors in older versions will just not be able to rotate such heavy platter).

The upper part of the base is replaced with a new upper base which holds the air bearing. The new subplatter with air bearing shaft will support both platters. Air supply consist of compressor and air filters ( same as for Air Line tonearm). The bronze platter ( 22 kg ) fits on the new subplatter and supports the existing platter. The mat height is now 40 mm above supporting shelf. For this reason the tonearm tower also needs to be raised with an additional supporting brass plate.

**Technical data:**

Bronze platter- lower	22 kg
Air pressure	4 bars
Dimension-compressor:	180x410x430 mm
Compressor mass:	20 kg
Power supply and compressor:	110V or 240 V, 50/60Hz

More infos is in XL AIR kit instruction manual.

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