we can still recone. This loudspeaker enjoyed a well established reputation.

The 12UEG is still a premium much sought after guitar loudspeaker and a real collector's item, in my opinion one of Rola's best guitar models. Available as bass model with an F20 cone having a resonance of 40Hz or the guitar model with an F31 cone having a resonance of 60Hz.

Basic Specifications for 12UEG data published 1961:

Power handling 30W peak
Free-air resonance 60Hz
Freq Response 55Hz-5.5 kHz
Flux density 13,000 gauss
Total gap flux 125,000 lines
Weight 7lb 10-1/2 oz

PLESSEY ROLA 12U50 LOUDSPEAKER

The evolution of the popular 2N3055/2N2955 50W transistor amplifier placed demands to upgrade the 12U model to handle 50Wrms. The spider platform was raised to accommodate the increased cone excursion; part of the alnico magnet was removed to permit greater inward travel without striking the magnet structure. The voice coil bobbin was increased in length which meant the coil winding was now further away from the cone. The coil winding was epoxy coated and oven baked to operate at elevated temperatures. This work preceded me, and laid the ground work for the higher power C12P loudspeaker.

The 12U50 was an excellent bass loudspeaker but the extra mass in the voice coil incurred a loss in top end efficiency and detail, hence I consider the 12UEG a better guitar model than the 12U50 (personal choice only). But the 12U50 is a better bass speaker than the 12UEG in my opinion. One must remember as the loudspeaker power handling is increased the bandwidth diminishes.

This model was also available with two different cones, you can distinguish between the models as follows:

12U50 MODEL was fitted with F19 cone or 12129 part number stamped on the back of the paper cone. If the cone is black then the cone is produces prior to the introduction of CFL cone technology. The model is stamped on the spoke of the loudspeaker frame the last digits being the impedance ie

12U50-517-8 being the 8 ohm model with nominal resonance of 65Hz (guitar model)
12U50-518-15 being the 15 ohm model with nominal resonance of 65Hz (guitar model)

12U52 MODEL was fitted with F20 cone or 12130 part number stamped on the back of the cone. If the cone is black then the cone is produces prior to the introduction of CFL cone technology. The model is stamped on the spoke of the loudspeaker frame the last digits being the impedance ie

12U52-519-8 being the 8 ohm model with nominal resonance of 40Hz (bass model)
12U52-520-15 being the 15 ohm model with nominal resonance of 40Hz (bass model)

When Plessey closed we made approx 2000 similar units in the 70's identified as A308PA50 from surplus parts acquired from the closure, the guitar model was identified with a stamp stating "special guitar model"

PLESSEY C12P LOUDSPEAKER

Plessey C12P loudspeaker refurbished by Lorantz. Original housing was Grey or Blue hammer tone baked enamel finish.
The Poseidon Nickel crisis in the late sixties pushed up the nickel price, a component of the alnico magnet to an uncompetitive level, customers chose ferrite magnet loudspeakers over alnico models as they offered better performance per dollar. The 12P alnico loudspeaker sales declined and at the same time the cone tooling was in need of replacement. It was then decided that to produce a new ferrite 12" loudspeaker called the C12P which was to be available in three models.

C12P general purpose bass/ mid model
C12EG guitar model
C12PX twin cone full range model.

Unfortunately this model was so popular that this only unit we have as a reference. The demand was so high for this model that production had difficulty meeting demand. The RRP price was $24.84 in 1974.

Basic Specifications for C12P	Model	Model
	C12P	**C12PEG**
Cone PN	F20	F19
Cone-Computer PN	12130	12129
Power Handling	30W rms	30W rms
Free-air resonance	40Hz	80Hz
Freq Response	35Hz-8 kHz	55 Hz-9 kHz
Impedance	8 ohm	8 ohm
DC resistance	6.9 ohm	6.9 ohm
Qm	2.5	6.0
Qe	0.56	1.1
Qt	0.45	0.97
Vas	206 litres	48 litres
Bl	9.7 T.m	9.7 T.m
Splo	95 dBSPL	95dBSPL
Flux density	13,000 gauss	13,000 gauss
Weight	4lb 15 oz	4lb 15 oz

You can distinguish between the models as follows:

The C12P model was fitted with F20 cone or 12130 (equivalent computer number) part number stamped on the back of the cone. If the cone is black then the cone was produces prior to the introduction of CFL cone technology. The model number was stamped on the spoke of the loudspeaker frame the last digits being the impedance ie

C12P-451-8 being the 8 ohm model
C12P-452-15 being the 15 ohm model

The last two digits on the rim of the frame is the date of manufacture which will be in range 1972-1975. The electric guitar model the C12PEG was fitted with F19 cone or 12129 (computer PN) part number stamped on the back of the cone in white ink. If the cone is black then the cone was produced prior to the introduction of CFL cone technology. The model number is stamped on the spoke of the loudspeaker frame the last digits being the impedance i.e.

C12P-453-8 being the 8 ohm model