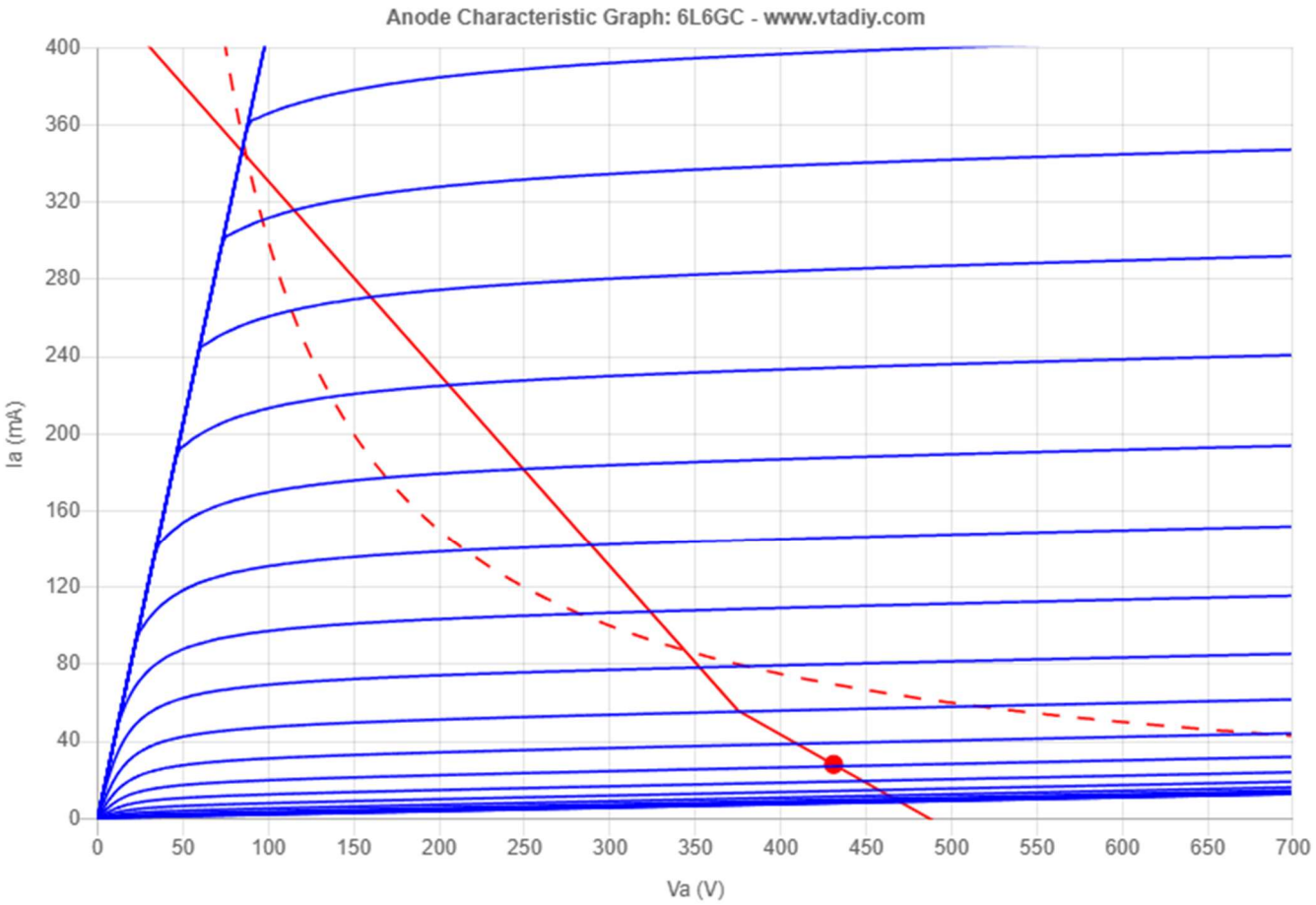
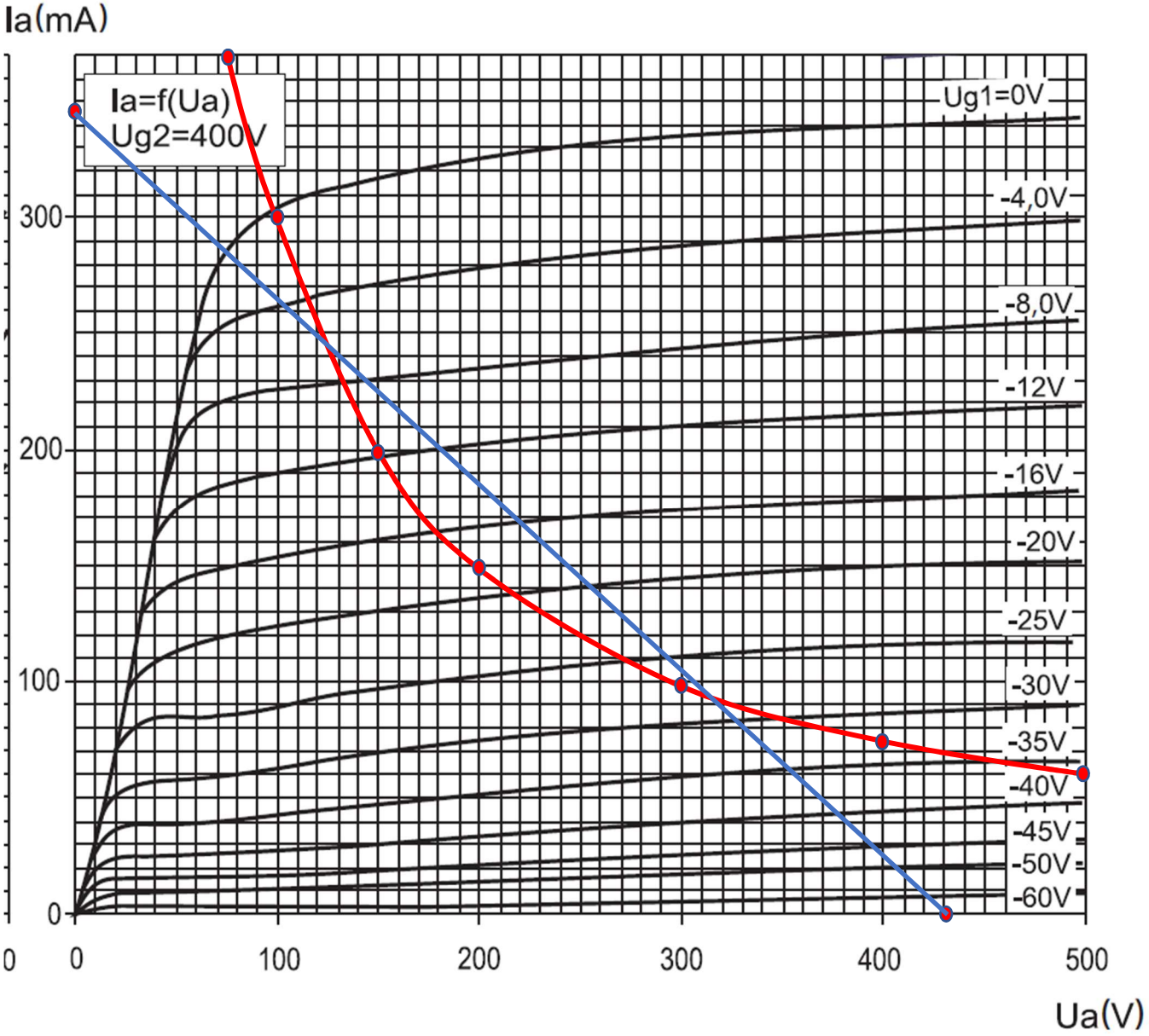
Load Line calculator at:

https://www.vtadiy.com/loadline-calculators/power-stage-calculator/#calculator



Operating mode:	○ Ultralinear ◉ Pentode ○ Triode	PP/SE:	◉ PP ○ SE
V+ (V):	431	Grid Bias Voltage (V):	-49.49
Quiescent Operating point:	Iq(mA): 28 Vq(V): 431.00	Output Power (W):	at max g1:59.99 at g1=0:59.99 at class A/A2:1.57 at headroom:Set out. headroom
Load (Ohm):	4000		
Screen Voltage (V):	431	Cathode resistor (Ohm):	1767.63

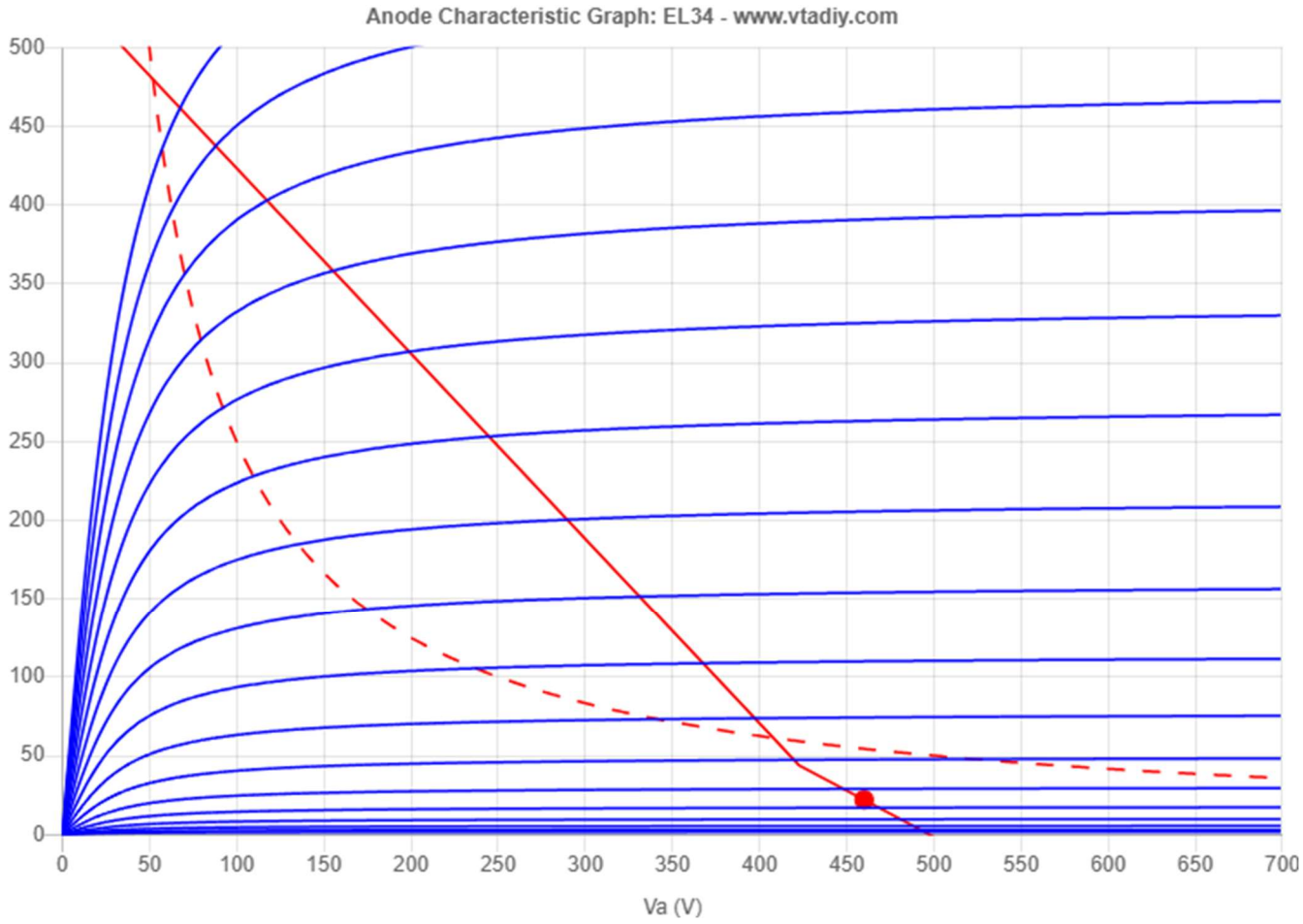
6L6GC - JJ



V_{anode} = 431V
$R_{a\text{-}a}$ = 5kΩ
¼ $Z_{a\text{-}a}$ = 1.25kΩ

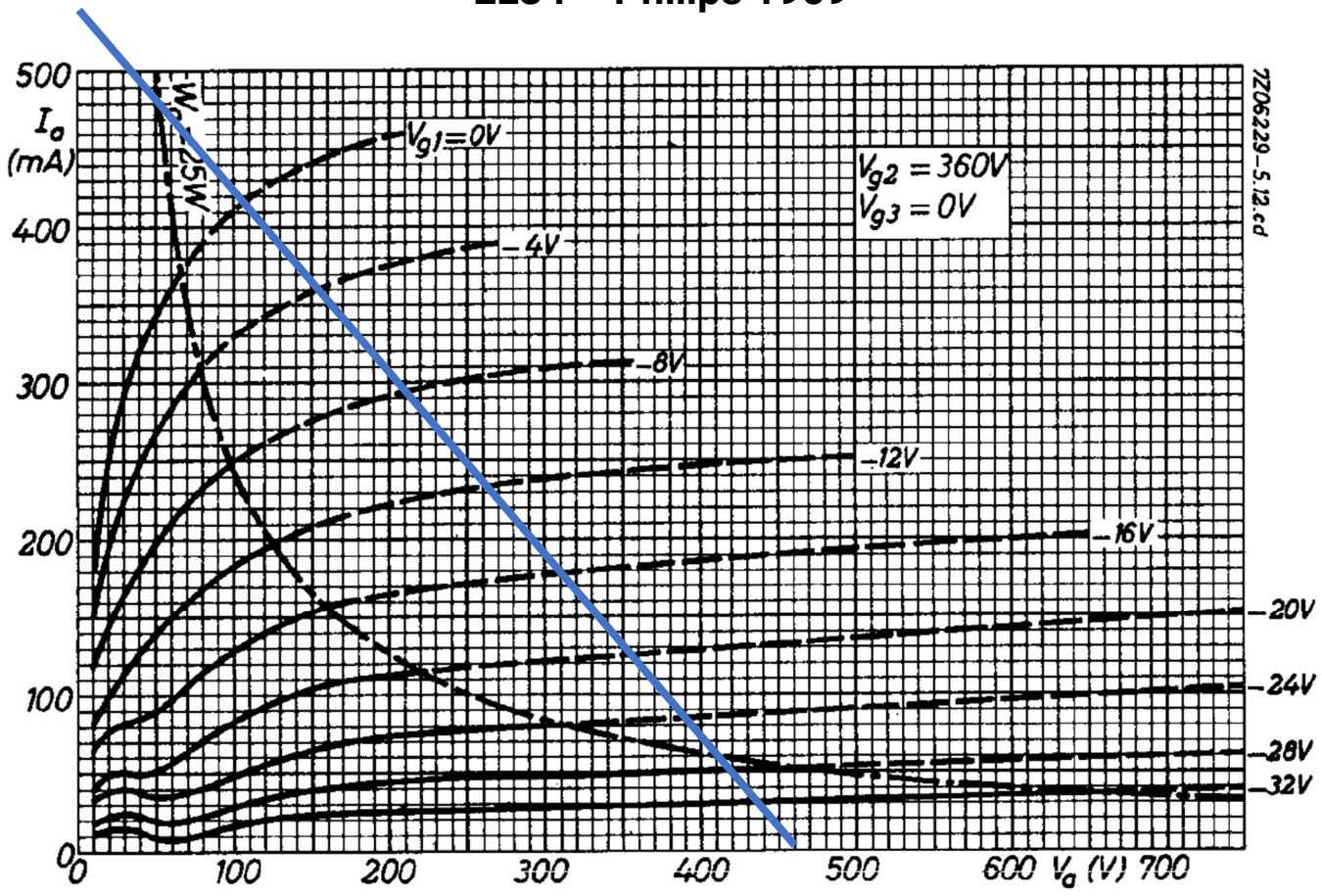
V / R = I 431 / 1.25k = 345mA

Mojotone 45W (JTM45)



Operating mode:	○ Ultralinear ◉ Pentode ○ Triode	PP/SE:	◉ PP ○ SE
V+ (V):	460	Grid Bias Voltage (V):	-46.07
Quiescent Operating point:	Iq(mA): 22 Vq(V): 460.00	Output Power (W):	at max g1:90.55 at g1=0:90.55 at class A/A2:0.82 at headroom:Set out. headroom
Load (Ohm):	3400		
Screen Voltage (V):	459	Cathode resistor (Ohm):	2094.28

EL34 – Philips 1969



V_{anode} = 460V
$R_{a\text{-}a}$ = 3.4kΩ
¼ $Z_{a\text{-}a}$ = 850Ω

V / R = I 460 / 850 = 541mA