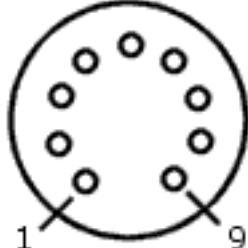
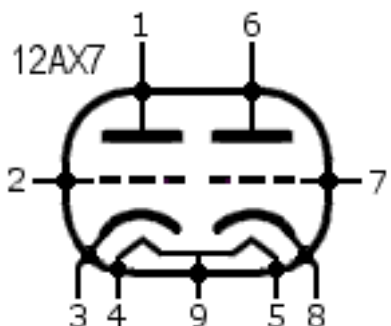


# The 18watt E-Group - Voltage Chart



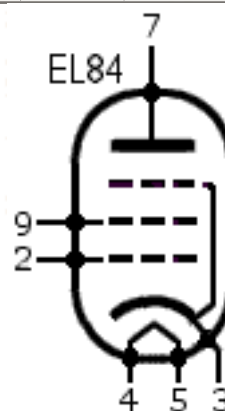
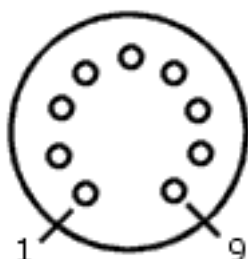
## Voltages

Here are a representative sampling of 18watt clone voltages measured by members who have finished their amps.

<b>V1 (12AX7)</b>									
<b>Pin</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
Graydon	157	0	1.07	(H)	(H)	157	0	1.07	(H)
Mark D.	148	--	1.27	(H)	(H)	148	--	1.27	(H)
Tom	148	--	1.09	(H)	(H)	148	--	1.08	(H)
Andy	158	--	1.1	(H)	(H)	158	--	1.1	(H)
Jeff	156	--	1.3	(H)	(H)	156	--	1.3	(H)
<b>V2 (12AX7)</b>									
<b>Pin</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
Graydon	225	51	72	(H)	(H)	220	50	72	(H)
Mark D.	226	56.7	81.8	(H)	(H)	231	58.1	81.8	(H)
Tom	213	49.6	71.7	(H)	(H)	219	50.8	71.9	(H)
Andy	232	51	73	(H)	(H)	224	50	73	(H)
Jeff	227	48.8	69	(H)	(H)	227	49.2	69.2	(H)
<b>V3 (12AX7)</b>		Note that Mark reversed the connection of the two triodes in V3, i.e., pin 1 on Graydon's, Tom's, & Andy's = pin 6 on Mark's. This is why the voltages don't match up down the column.							



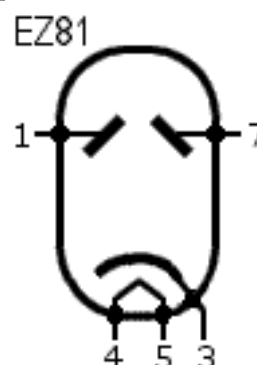
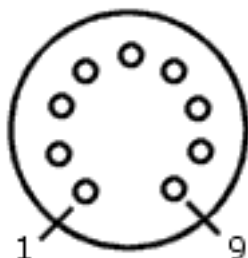
Pin	1	2	3	4	5	6	7	8	9
Graydon	110	0	1.03/1.05	(H)	(H)	155/162	.02/.1	1/1.05	(H)
Mark D.	170/205	--	1.08/1.65	(H)	(H)	112/156	--	1.08/1.65	(H)
Tom	104/151	--	0.965	(H)	(H)	160	--	0.964	(H)
Andy	150	--	1.8	(H)	(H)	203	--	1.8	(H)
Jeff	108	--	1.34	(H)	(H)	164	--	1.34	(H)

**V4 (EL84)**

Pin	1	2	3	4	5	6	7	8	9
Graydon	--	--	12.5	(H)	(H)	--	332	--	317
Mark D.	--	--	11.2	(H)	(H)	--	342	--	327
Tom	--	--	10.7	(H)	(H)	--	325	--	314
Andy	--	--	11.8	(H)	(H)	--	340	--	324
Jeff	--	--	10.5	(H)	(H)	--	341	--	320

**V5 (EL84)**

Pin	1	2	3	4	5	6	7	8	9
Graydon	--	--	12.5	(H)	(H)	--	327	--	317
Mark D.	--	--	11.2	(H)	(H)	--	343	--	327
Tom	--	--	10.8	(H)	(H)	--	326	--	314
Andy	--	--	11.8	(H)	(H)	--	340	--	324
Jeff	--	--	10.5	(H)	(H)	--	340	--	320

**V6 (EZ81)**

Pin	1	2	3	4	5	6	7	8	9
Graydon	291(AC)	--	335	(H)	(H)	--	291 (AC)	--	--
Mark D.	293(AC)	--	351	(H)	(H)	--	293 (AC)	--	--



Tom	301(AC)	--	330	(H)	(H)	--	300 (AC)	--	--
Andy	286(AC)	--	345	(H)	(H)	--	286 (AC)	--	--
Jeff	290(AC)	--	345	(H)	(H)	--	290 (AC)	--	--

### [The 18watt Group](#)

