



*Quality Products. Service Excellence.*

## Tube Guitar Amplifier - Power Transformers 290 Series

### REPLACEMENT & UPGRADES

#### Features



- Designed for drop in replacement of original units.
- Physically, parts were designed to look similar to original factory units (where possible).
- Material used & design specs. were kept as close as possible to the original part to preserve the stock "tone".



#### Fender (Power Transformers)

Hammond	Part Number	Chassis	Model	Wattage	Primary	Secondary 1	Secondary 2	Secondary 3	Secondary 4	Secondary 5
290AAX	26821	*	MusicMaster Base	12	120V, 60 Hz	490Vct @ 90 mA			6.3V @ 1.1A	
290AX	22772	AA764	Bronco	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	AA764	Bronco	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	AB764	Bronco	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	AB764	Bronco	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Blackface	Bronco	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Blackface	Bronco	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Silverface	Bronco	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Silverface	Bronco	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	5C1	Champ	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	5C1	Champ	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	50	Champ	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	50	Champ	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A

Hammond	Part Number	Chassis	Model	Wattage	Primary	Secondary				
						1	2	3	4	5
290AX	22772	5F1	Champ	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	5F1	Champ	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Tweed	Champ	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Tweed	Champ	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Blackface	Champ	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Blackface	Champ	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Silverface	Champ	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Silverface	Champ	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	AA764	Champ	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	AA764	Champ	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	AA764	Vibro Champ	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	AA764	Vibro Champ	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Blackface	Vibro Champ	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Blackface	Vibro Champ	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Silverface	Vibro Champ	6	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Silverface	Vibro Champ	6	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Tweed	Princeton	12	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Tweed	Princeton	12	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Brown	Princeton	12	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Brown	Princeton	12	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Blackface	Princeton	12	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Blackface	Princeton	12	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Silverface	Princeton	12	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Silverface	Princeton	12	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	AA964	Princeton	12	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	AA964	Princeton	12	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Reverb AA1164	Princeton Reverb	15	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Reverb AA1164	Princeton Reverb	15	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Reverb AA764	Princeton Reverb	15	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A

Hammond	Part Number	Chassis	Model	Wattage	Primary	Secondary				
						Secondary 1	2	3	4	5
291AEX	10020	Reverb AA764	Princeton Reverb	15	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Reverb B1270	Princeton Reverb	15	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Reverb B1270	Princeton Reverb	15	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Reverb Blackface	Princeton Reverb	15	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Reverb Blackface	Princeton Reverb	15	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290AX	22772	Reverb Silverface	Princeton Reverb	15	120V, 60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
291AEX	10020	Reverb Silverface	Princeton Reverb	15	120/220/230/240V 50/60 Hz	650/550Vct @ 100 mA			6.3Vct @ 2.25A	5V @3A
290ABX	74596000F	*	Vibro Champ XD	5	120/240V, 50/60 Hz	293.5V @ 100 mA	34Vct @ 95 mA	9V @ 1.25A	6.3V @ 5A	
290ACX	91234000	*	Super Champ X2	15	120V @ 60 Hz	300V @ 100 mA	34Vct @ 100 mA	9V @ 1.5A	6.6V @ 1.5A	
290BX	125P2A, 125P23B, 022749	5A3	Deluxe	15	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P2A, 125P23B, 022749	5A3	Deluxe	15	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P2A, 125P23B, 022749	5B3	Deluxe	15	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P2A, 125P23B, 022749	5B3	Deluxe	15	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P2A, 125P23B, 022749	5C3	Deluxe	15	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P2A, 125P23B, 022749	5C3	Deluxe	15	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P2A, 125P23B, 022749	5D3	Deluxe	15	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P2A, 125P23B, 022749	5D3	Deluxe	15	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P2A, 125P23B, 022749	6G3	Deluxe	15	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P2A, 125P23B, 022749	6G3	Deluxe	15	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P2A, 125P23B, 022749	AB763	Deluxe	15	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P2A, 125P23B, 022749	AB763	Deluxe	15	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BBX	6452	5000	Deluxe	15	120V @ 50/60 Hz	710Vct @ 115 mA	-		6.3Vct @ 1.65A	5V @ 2A
290BBEX	6452	5000	Deluxe	15	120/220/230/240 @ 50/60 Hz	710Vct @ 115 mA	-		6.3Vct @ 1.65A	5V @ 2A
290BX	125P33A, 022749, 125P23B, 025130	Blackface	Deluxe Reverb	22	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P33A, 022749, 125P23B, 025130	Blackface	Deluxe Reverb	22	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P33A, 022749, 125P23B, 025130	Silverface	Deluxe Reverb	22	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P33A, 022749, 125P23B, 025130	Silverface	Deluxe Reverb	22	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A

Hammond	Part Number	Chassis	Model	Wattage	Primary	Secondary 1	2	3	4	5
290BX	125P33A, 022749, 125P23B, 025130	AA763	Deluxe Reverb	22	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P33A, 022749, 125P23B, 025130	AA763	Deluxe Reverb	22	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P33A, 022749, 125P23B, 025130	AB763	Deluxe Reverb	22	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P33A, 022749, 125P23B, 025130	AB763	Deluxe Reverb	22	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P33A, 022749, 125P23B, 025130	AB868	Deluxe Reverb	22	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P33A, 022749, 125P23B, 025130	AB868	Deluxe Reverb	22	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P33A, 022749, 125P23B, 025130	A1172	Deluxe Reverb	22	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P33A, 022749, 125P23B, 025130	A1172	Deluxe Reverb	22	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P33A, 022749, 125P23B, 025130	A1270	Deluxe Reverb	22	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P33A, 022749, 125P23B, 025130	A1270	Deluxe Reverb	22	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P33A, 022749, 125P23B, 025130	Volume boost	Deluxe Reverb	22	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P33A, 022749, 125P23B, 025130	Volume Boost	Deluxe Reverb	22	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290CX	041318, 022723, 125P26A, 125P31A	-	Deluxe 68 Custom Reverb	22	120V @ 60 Hz	650Vct @ 207 mA	50V Bias		6.3Vct @ 4A	5V @ 3A
290CEX	041317, 14955, 125P26A, 125P31A	-	Deluxe 68 Custom Reverb	22	240V @ 50/60 Hz	650Vct @ 207 mA	50V Bias		6.3Vct @ 4A	5V @ 3A
290CBZ	41316	021-7400- 000	Deluxe 65 Reverb reissue	22	120V @ 60 Hz	650Vct @ 120 mA	38V Bias		6.3V @ 4A	5V @ 3A
290BX	125P33A, 022749, 125P23B, 025130	5000000000	Tweed Tremolux	18	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P33A, 022749, 125P23B, 025130	5000000000	Tweed Tremolux	18	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P33A, 022749, 125P23B, 025130	5E9-A	Tweed Tremolux	18	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BEX	125P33A, 022749, 125P23B, 025130	5E9-A	Tweed Tremolux	18	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290BX	125P33A, 022749, 125P23B, 025130	5G9	Tweed Tremolux	18	120V @ 60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A

Hammond	Part Number	Chassis	Model	Wattage	Primary	Secondary 1	2	3	4	5
290BEX	125P33A, 022749, 125P23B, 025130	5G9	Tweed Tremolux	18	240V @ 50/60 Hz	660Vct @ 138 mA	50V Bias		6.3V @ 3A	5V @ 3A
290CX	041318, 022723, 125P26A, 125P31A	Blackface AA763	Tremolux	35	120V @ 60 Hz	650Vct @ 207 mA	50V Bias		6.3Vct @ 4A	5V @ 3A
290CEX	041317, 14955, 125P26A, 125P31A	Blackface AA763	Tremolux	35	240V @ 50/60 Hz	650Vct @ 207 mA	50V Bias		6.3Vct @ 4A	5V @ 3A
290CX	041318, 022723, 125P26A, 125P31A	30	Fender 30	30	120V @ 60 Hz	650Vct @ 207 mA	50V Bias		6.3Vct @ 4A	5V @ 3A
290CEX	041317, 14955, 125P26A, 125P31A	30	Fender 30	30	240V @ 50/60 Hz	650Vct @ 207 mA	50V Bias		6.3Vct @ 4A	5V @ 3A
290CX	041318, 022723, 125P26A, 125P31A	AB763	Vibrolux	35	120V @ 60 Hz	650Vct @ 207 mA	50V Bias		6.3Vct @ 4A	5V @ 3A
290CEX	041317, 14955, 125P26A, 125P31A	AB763	Vibrolux	35	240V @ 50/60 Hz	650Vct @ 207 mA	50V Bias		6.3Vct @ 4A	5V @ 3A
290CX	041318, 022723, 125P26A, 125P31A	AA964, AB568, AA270	Vibrolux Reverb	40	120V @ 60 Hz	650Vct @ 207 mA	50V Bias		6.3Vct @ 4A	5V @ 3A
290CEX	041317, 14955, 125P26A, 125P31A	AA964, AB568, AA270	Vibrolux Reverb	40	240V @ 50/60 Hz	650Vct @ 207 mA	50V Bias		6.3Vct @ 4A	5V @ 3A
290EX	67233, 125P7D, 125P7DX, 022814,	Blond	Bandmaster	40	120V @ 60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EEX	67233, 125P7D, 125P7DX, 022814,	Blond	Bandmaster	40	100/120/220/230/240V @ 50/60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EX	67233, 125P7D, 125P7DX, 022814,	6G7-A	Bandmaster	40	120V @ 60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EEX	67233, 125P7D, 125P7DX, 022814,	6G7-A	Bandmaster	40	100/120/220/230/240V @ 50/60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EX	67233, 125P7D, 125P7DX, 022814,	Blackface	Bandmaster	40	120V @ 60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EEX	67233, 125P7D, 125P7DX, 022814,	Blackface	Bandmaster	40	100/120/220/230/240V @ 50/60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EX	67233, 125P7D, 125P7DX, 022814,	AA763	Bandmaster	40	120V @ 60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EEX	67233, 125P7D, 125P7DX, 022814,	AA763	Bandmaster	40	100/120/220/230/240V @ 50/60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EX	67233, 125P7D, 125P7DX, 022814,	AB763	Bandmaster	40	120V @ 60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EEX	67233, 125P7D, 125P7DX, 022814,	AB763	Bandmaster	40	100/120/220/230/240V @ 50/60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EX	67233, 125P7D, 125P7DX, 022814,	Silverface	Bandmaster	40	120V @ 60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	

Hammond	Part Number	Chassis	Model	Wattage	Primary	Secondary 1	2	3	4	5
290EEX	67233, 125P7D, 125P7DX, 022814,	Silverface	Bandmaster	40	100/120/220/230/240V @ 50/60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EX	67233, 125P7D, 125P7DX, 022814,	AC568	Bandmaster	40	120V @ 60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EEX	67233, 125P7D, 125P7DX, 022814,	AC568	Bandmaster	40	100/120/220/230/240V @ 50/60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EX	67233, 125P7D, 125P7DX, 022814,	AD1269	Bandmaster	40	120V @ 60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290EEX	67233, 125P7D, 125P7DX, 022814,	AD1269	Bandmaster	40	100/110/120/220/230/240V @ 50/60 Hz	660Vct @ 275 mA	53V Bias		6.3Vct @ 4A	
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	Tweed, 5E7	Bandmaster	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	Tweed, 5E7	Bandmaster	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	Blackface	Bandmaster Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	Blackface	Bandmaster Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	Silverface	Bandmaster Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	Silverface	Bandmaster Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	AA1069	Bandmaster Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	AA1069	Bandmaster Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	AA270	Bandmaster Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	AA270	Bandmaster Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	AA763	Bandmaster Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	AA763	Bandmaster Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	5F4	Super	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	5F4	Super	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	6G4	Super	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A

Hammond	Part Number	Chassis	Model	Wattage	Primary	Secondary 1	Secondary 2	Secondary 3	Secondary 4	Secondary 5
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	6G4	Super	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	6G4-A	Super	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	6G4-A	Super	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	Brownface	Super	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	Brownface	Super	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	Blackface	Super Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	Blackface	Super Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	AA763	Super Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	AA763	Super Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	AB763	Super Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	AB763	Super Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	Silverface	Super Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	Silverface	Super Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	AB568	Super Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	AB568	Super Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2X	8087, 125P5D, 125P5DX, 022798, 022806	AA270	Super Reverb	40	120V @ 60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
290D2EX	8087, 125P5D, 125P5DX, 022798, 022806	AA270	Super Reverb	40	100/110/120/220/230/240V @ 50/60 Hz	710Vct/610Vct @ 300 mA	50V Bias		6.3Vct @ 5A	5V @ 3A
291ZZ	13692	Silverface	Bassman 135	135	120V @ 60 Hz	364Vct @ 1A	53V @ 1A		6.3Vct @ 7A	
291ZEZ	13692	Silverface	Bassman 135	135	120/240V @ 50/60 Hz	364Vct @ 1A	53V @ 1A		6.3Vct @ 7A	
291ZZ	13692	Silverface	Super Six Reverb 135	135	120V @ 60 Hz	364Vct @ 1A	53V @ 1A		6.3Vct @ 7A	
291ZEZ	13692	Silverface	Super Six Reverb 135	135	120/240V @ 50/60 Hz	364Vct @ 1A	53V @ 1A		6.3Vct @ 7A	

Hammond	Part Number	Chassis	Model	Wattage	Primary	Secondary 1	Secondary 2	Secondary 3	Secondary 4	Secondary 5
290EZ			57 Twin Reissue	40	120V @ 60 Hz	660Vct @ 250 mA	50V Bias		6.3V @ 4A	5V @ 4A
290EEZ			57 Twin Reissue	40	240V @ 50/60 Hz	660Vct @ 250 mA	50V Bias		6.3V @ 4A	5V @ 4A
290FX	125P34A, 022756	Silverface	Bassman 100	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Silverface	Bassman 100	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Silverface	Quad with Reverb	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Silverface	Quad with Reverb	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Silverface	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Silverface	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Blackface	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Blackface	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Silverface	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Silverface	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	AB763	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	AB763	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	AC568	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	AC568	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	AA763	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	AA763	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Reverb AA768	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Reverb AA768	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Dual AB763	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Dual AB763	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Dual AC568	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Dual AC568	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Dual Reverb 100	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Dual Reverb 100	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Dual Reverb AA769	Showman	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Dual Reverb AA769	Showman	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Silverface	Super Six Reverb 100	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	



Hammond	Part Number	Chassis	Model	Wattage	Primary	Secondary 1	Secondary 2	Secondary 3	Secondary 4	Secondary 5
290FEX	125P34A, 022756	Silverface	Super Six Reverb 100	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	AA769	Twin Reverb	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	AA769	Twin Reverb	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	AA270	Twin Reverb	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	AA270	Twin Reverb	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Silverface	Twin Reverb	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Silverface	Twin Reverb	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	AB763	Twin Reverb	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	AB763	Twin Reverb	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FX	125P34A, 022756	Blackface	Twin Reverb	100	120V @ 60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	
290FEX	125P34A, 022756	Blackface	Twin Reverb	100	240V @ 50/60 Hz	640Vct @ 518 mA	60V Bias		6.5V @ 5.5A	

### Marshall (Power Transformers)

Part No.	Primary	Marshall Model Names	Equivalent To Marshall Part No.	Bobbin/Paper Wound
290MAZ	117/234VAC 50/60 Hz.	Studio 15 "Little Fatty"	294-285/6	BOBBIN
290PAZ	120/240 VAC 50/60 Hz.	18 Watt Combo	-	BOBBIN
290GX	120/220/240 VAC 50/60 Hz.	JCM 800, JMP - 50 watt	-	BOBBIN
290HX	120/220/240 VAC 50/60 Hz.	JCM 800 & JMP - 100 watt	-	PAPER
290KX	120/240 VAC 50/60 Hz.	JCM 900 - 50 watt	-	BOBBIN
290JX	120/240 VAC 50/60 Hz.	JCM 900 - 100 watt	-	BOBBIN
290LEX	100/120/220/230/240 VAC 50/60 Hz.	JMT 45	-	BOBBIN
290LX	120/240 VAC 50/60 Hz.	General	-	BOBBIN
290QX	120/240 VAC 50/60 Hz.	JTM30	-	BOBBIN

### VOX (Power Transformers)

Part No.	Primary	VOX Model Names	Equivalent To VOX Part No.	Bobbin/Paper Wound
290PX	120/240 VAC 50/60 Hz.	AC15	-	BOBBIN
290CZ	120 VAC 60 Hz.	AC15C1	-	BOBBIN
290CEZ	120/240 VAC 50/60 Hz.	AC15C1	-	BOBBIN
290NX	100/120/220/230/240 VAC 50/60 Hz.	AC30 Vintage	-	PAPER
290MX	120/240 VAC 50/60 Hz.	AC30 Reissue	-	BOBBIN
290MAX	120/240 VAC 50/60 HZ.	TB35C2 TONY BRUNO	-	BOBBIN

### Yorkville/ Traynor (Power Transformers)

Part No.	Primary	Yorkville / Traynor Model Names	Equivalent to Yorkville / Traynor Part No.	Bobbin/Paper Wound
99145 <sup>1</sup>	115VAC / 60Hz.	Mono Block2 Bass Amp	A1305	-
98965 <sup>1</sup>	120/240VAC 50/60 Hz.	100 Watt	A1380	-
79465 <sup>1</sup>	120VAC 60 Hz.	YBA2-B	A1314	PAPER
79691 <sup>1</sup>	120V 60 Hz	YBA-3	A1315	-

<sup>1</sup> Special order only. Please contact Hammond's sales team for more information.

### AMPEG (Power Transformers)

<b>Part No.</b>	<b>Primary</b>	<b>AMPEG Model Names</b>	<b>Equivalent To AMPEG Part No.</b>	<b>Bobbin/Paper Wound</b>
290CAZ	117 VAC 60 Hz.	GEMINI VI 25W	PT 113	BOBBIN
290ETX	120 VAC 60 Hz.	SUPER ECHO TWIN	PT-109	BOBBIN

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