



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 P/N | Amp Model | Similar Amp P/N's* | Chassis No.* | Primary Volts | Secondary 1 | Secondary 2 | Secondary 3 | Secondary 4 | Secondary 5 |
|-------------|--------------------|---------------------------------------|--|---------------------------------|------------------------|-------------|--------------|-------------|-------------|
| 290EX | BANDMASTER* | 67233, 125P7D, 125P7DX, 022814 | Blond, 6G7-A, Blackface, AA763, AB763, Silverface, AC568, AD1269 | 120V | 660Vct @ 275 mA | 53V Bias | 6.3Vct @ 4A | | |
| 290EEX | BANDMASTER* | | Blond, 6G7-A, Blackface, AA763, AB763, Silverface, AC568, AD1269 | 120/210/230/240 @ 50/60 Hz | 660Vct @ 275 mA | 53V Bias | 6.3Vct @ 4A | | |
| 290D2X | BANDMASTER* | | Tweed | 120V @ 60 Hz | 710Vct/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290D2EX | BANDMASTER* | | Tweed | 120/210/220/230/240V @ 50/60 Hz | 710Vct/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290DHX | BANDMASTER DELUXE* | 76041000 | | 120V @ 60 Hz | 315V @ 250 mA | | 26V @ 100 mA | 6V @ 1A | 6.3Vct @ 5A |
| 290D2X | BANDMASTER REVERB* | 8087, 125P5D, 125P5DX, 022798, 022806 | Blackface, Silverface, AA1069, AA270, AA763, | 120V @ 60 Hz | 710Vct/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290D2EX | BANDMASTER REVERB* | | Blackface, Silverface, AA1069, AA270, AA763, | 120/210/220/230/240V @ 50/60 Hz | 710Vct/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290D2X | BASSMAN* | 8087, 125P5D, 125P5DX, 022798, 022806 | Tweed, 5F6, 5F6A, 10 | 120V @ 60 Hz | 710/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290D2EX | BASSMAN* | | Tweed, 5F6, 5F6A, 10 | 120/210/220/240V @ 50/60 Hz | 710/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |

| Hammond P/N | Amp Model | Similar Amp P/N's* | Chassis No.* | Primary Volts | Secondary 1 | Secondary 2 | Secondary 3 | Secondary 4 | Secondary 5 |
|-------------|------------------------------|--------------------------------|--|-----------------------------|---------------------|-------------|----------------|-------------|-------------|
| 290EX | BASSMAN* | 67233, 125P7D, 125P7DX, 022814 | Blackface, AA864, AA165, AB165, Silverface, AA270 | 120V @ 60 Hz | 660Vct @ 275 mA | 53V Bias | 6.3Vct @ 4A | | |
| 290EEX | BASSMAN* | | Blackface, AA864, AA165, AB165, Silverface, AA270 | 120/210/230/240V @ 50/60 Hz | 660Vct @ 275 mA | 53V Bias | 6.3Vct @ 4A | | |
| 290DX | BASSMAN* (Lower Plate Volts) | 8087 | Tweed, 5F6, 5F6A | 120V @ 60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 290DEX | BASSMAN* (Lower Plate Volts) | | Tweed, 5F6, 5F6A | 240V @ 50/60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 290DX | BASSMAN* (Lower Plate Volts) | 8087 | Combos | 120V @ 60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 290DEX | BASSMAN* (Lower Plate Volts) | | Combos | 240V @ 50/60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 290FX | BASSMAN 100* | 125P34A, 022756 | Silverface | 120V @ 60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FEX | BASSMAN 100* | | Silverface | 240V @ 50/60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 291ZZ | BASSMAN 135* | 13692 | Silverface | 120V @ 60 Hz | 364Vct @ 1A | 53V Bias | 6.3Vct @ 7A | 6.3Vct @ 7A | |
| 291ZEZ | BASSMAN 135 | | SAME | 120/240V @ 50/60 Hz | 364Vct @ 1A | 53V Bias | 6.3Vct @ 7A | 6.3Vct @ 7A | |
| 290TX | BASSMAN 59* (REISSUE) | 36483 | 217-1000-010 | 120V @ 60 Hz | 696Vct @ 500 mA | 52V Bias | 6.5V @ 2A | 5V @ 2A | |
| 290YX | BASSMAN 70* | 13895 | Silverface | 120V @ 60 Hz | 372Vct @ 400 mA | 56V Bias | 6.3Vct @ 4A | | |
| 290YEX | BASSMAN 70* | | Silverface | 240V @ 50/60 Hz | 372Vct @ 400 mA | 56V Bias | 6.3Vct @ 4A | | |
| 290UX | BLUES DELUXE* | 36958 | | 117V @ 60 Hz | 308.5V @ 250 mA | 39V Bias | 6.6V @ 3.75A | | |
| 290UEX | BLUES DELUXE* | | | 240V @ 50/60 Hz | 308.5V @ 250 mA | 39V Bias | 6.6V @ 3.75A | | |
| 290UX | BLUES DELUXE* (REISSUE) | 36958 | | 117V @ 60 Hz | 308.5V @ 250 mA | 39V Bias | 6.6V @ 3.75A | | |
| 290UEX | BLUES DELUXE* (REISSUE) | | | 240V @ 50/60 Hz | 308.5V @ 250 mA | 39V Bias | 6.6V @ 3.75A | | |
| 290XX | BLUES JR.* | 49967 | | 117V @ 60 Hz | 260V @ 170 mA | | 20V @ 100 mA | 6.3V @ 3A | |
| 290XEX | BLUES JR.* | | | 240V @ 50/60 Hz | 260V @ 170 mA | | 20V @ 100 mA | 6.3V @ 3A | |
| 290AX | BRONCO* | 125P1B, 022772, 66079B | AA764, AB764, Blackface, Silverface | 120V, 60 Hz | 650/550Vct @ 100 mA | | 6.3Vct @ 2.25A | 5V @ 3A | |
| 290AEX | BRONCO* | | AA764, AB764, Blackface, Silverface | 120/220/230/240V 50/60 Hz | 650/550Vct @ 100 mA | | 6.3Vct @ 2.25A | 5V @ 3A | |
| 290AX | CHAMP* | 125P1B, 022772, 66079B | 5C1, 5E1, 5F1, Tweed, Blackface, Silverface, AA764 | 120V, 60 Hz | 650/550Vct @ 100 mA | | 6.3Vct @ 2.25A | 5V @ 3A | |
| 291AEX | CHAMP* | | 5C1, 5E1, 5F1, Tweed, Blackface, Silverface, AA764 | 120/220/230/240V 50/60 Hz | 650/550Vct @ 100 mA | | 6.3Vct @ 2.25A | 5V @ 3A | |
| 290BAX | CHORUS* | 31668 | | 120V @ 60 Hz | 60Vct @ 2.85A | | | | |

| Hammond P/N | Amp Model | Similar Amp P/N's* | Chassis No.* | Primary Volts | Secondary 1 | Secondary 2 | Secondary 3 | Secondary 4 | Secondary 5 |
|-------------|-----------------------------|----------------------------------|--|-------------------------------|-----------------|-------------|----------------|--------------|-------------|
| 290EX | CONCERT* | 67233, 125P7D, 125P7DX, 022814 | Brownface, 6G12A, Blackface, AA763 | 120V @ 60 Hz | 660Vct @ 275 mA | 53V Bias | 6.4Vct @ 4A | | |
| 290EEX | CONCERT* | | Brownface, 6G12A, Blackface, AA763 | 120/210/230/240 @ 50/60 Hz | 660Vct @ 275 mA | 53V Bias | 6.4Vct @ 4A | | |
| 290BX | DELUEX* | 125P2A, 125P23B, 022749, 025130 | 5A3, 5B3, 5C3, 5D3, 6G3, AB763 | 120V @ 60 Hz | 660Vct @ 138 mA | 50V Bias | 6.3V @ 3A | 5V @ 3A | |
| 290BEX | DELUEX* | | 5A3, 5B3, 5C3, 5D3, 6G3, AB763 | 240V @ 50/60 Hz | 660Vct @ 138 mA | 50V Bias | 6.3V @ 3A | 5V @ 3A | |
| 290BBX | DELUEX* | 6452 | Tweed | 120V @ 50/60 Hz | 710Vct @ 115 mA | - | 6.3Vct @ 1.65A | 5V @ 2A | |
| 290BBEX | DELUEX* | | Tweed | 120/220/230/240 @ 50/60 Hz | 710Vct @ 115 mA | - | 6.3Vct @ 1.65A | 5V @ 2A | |
| 290CX | DELUXE 65 REVERB* (REISSUE) | 041316, 022723, 125P26A | 021-7400-000 | 120V @ 60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290CEX | DELUXE 65 REVERB* (REISSUE) | | 021-7400-000 | 240V @ 50/60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290CX | DELUXE 68 CUSTOM REVERB* | 041316, 022723, 125P26A | | 120V @ 60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290CEX | DELUXE 68 CUSTOM REVERB* | | | 240V @ 50/60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290BX | DELUXE REVERB* | 125P33A, 022749, 125P23B, 025130 | Blackface, Silverface, AA763, AB763, AB868, A1172, A1270, Volume Boost | 120V @ 60 Hz | 660Vct @ 138 mA | 50V Bias | 6.3V @ 3A | 5V @ 3A | |
| 290BEX | DELUXE REVERB* | | Blackface, Silverface, AA763, AB763, AB868, A1172, A1270, Volume Boost | 240V @ 50/60 Hz | 660Vct @ 138 mA | 50V Bias | 6.3V @ 3A | 5V @ 3A | |
| 290CX | FENDER 30* | 041316, 022723, 125P26A | | 120V @ 60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290CEX | FENDER 30* | | | 240V @ 50/60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290HAX | HARVARD* | 5F10 | Tweed Push Pull | 120V @ 60 Hz | 550Vct @ 100 mA | 50V Bias | 6.3Vct @ 2.5A | 5V @ 3A | |
| 290HAEX | HARVARD* | | Tweed Push Pull | 120V/210/230V/240V @ 50/60 Hz | 550Vct @ 100 mA | 50V Bias | 6.3Vct @ 2.5A | 5V @ 3A | |
| 290UX | HOT ROD DELUXE* | 36958 | 021-3202-000 | 117V @ 60 Hz | 308.5V @ 250 mA | | 39V @ 250 mA | 6.6V @ 3.75A | |
| 290UEX | HOT ROD DELUXE* | | 021-3202-000 | 240V @ 50/60 Hz | 308.5V @ 250 mA | | 39V @ 250 mA | 6.6V @ 3.75A | |
| 290VX | HOT ROD DEVILLE* | 41752 | | 117V @ 60 Hz | 342V @ 500 mA | | 52Vct @ 250 mA | 6.3V @ 3.75A | |
| 290VEX | HOT ROD DEVILLE* | | | 240V @ 50/60 Hz | 342V @ 500 mA | | 52Vct @ 250 mA | 6.3V @ 3.75A | |
| 290CX | MODEL 30* | 041316, 022723, 125P26A | | 120V @ 60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290CEX | MODEL 30* | | | 240V @ 50/60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290AAX | MUSICMASTER BASE* | 026821 | | 120V, 60 Hz | 490Vct @ 90 mA | | 6.3V @ 1.25A | | |
| 290BAX | POWER CHORUS* | 31668 | | 120V @ 60 Hz | 60Vct @ 2.85A | | | | |

| Hammond P/N | Amp Model | Similar Amp P/N's* | Chassis No.* | Primary Volts | Secondary 1 | Secondary 2 | Secondary 3 | Secondary 4 | Secondary 5 |
|-------------|---------------------------------|---|--|------------------------------------|---------------------------|-------------------|-------------------|----------------|-------------|
| 290AX | PRINCETON* | 125P1B, 022772, 66079B | Tweed, Brown, Blackface, Silverface, AA964 | 120V, 60 Hz | 650/550Vct @ 100 mA | | 6.3Vct @ 2.25A | 5V @3A | |
| 290AEX | PRINCETON* | | Tweed, Brown, Blackface, Silverface, AA964 | 120/220/230/240V 50/60 Hz | 650/550Vct @ 100 mA | | 6.3Vct @ 2.25A | 5V @3A | |
| 290AX | PRINCETON REVERB* | 125P1B, 022772, 66079B | AA1164, AA764, B1270, Blackface, Silverface | 120V, 60 Hz | 650/550Vct @ 100 mA | | 6.3Vct @ 2.25A | 5V @3A | |
| 290AEX | PRINCETON REVERB* | | AA1164, AA764, B1270, Blackface, Silverface | 120/220/230/240V 50/60 Hz | 650/550Vct @ 100 mA | | 6.3Vct @ 2.25A | 5V @3A | |
| 290D2X | PRO* | 8087, 125P5D, 125P5DX, 022798, 022806 | Tweed, Blackface, AB763 | 120V @ 60 Hz | 710/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290D2EX | PRO* | | Tweed, Blackface, AB763 | 120/210/220/240V @ 50/60 Hz | 710/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290D2X | PRO REVERB* | 8087, 125P5D, 125P5DX, 022798, 022806 | Silverface, AB668, AA1069, AA270 | 120V @ 60 Hz | 710/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290D2EX | PRO REVERB* | | Silverface, AB668, AA1069, AA270 | 120/210/220/240V @ 50/60 Hz | 710/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290XXA | PRO JR.* | 41782 | | 117V @ 60 Hz | 260V @ 170 mA | | 6.3V @ 3A | | |
| 290XXB | PRO JR.* | | | 117V @ 60 Hz | 260V @ 170 mA | | 6.3Vct @ 3A | | |
| 290FX | QUAD WITH REVERB* | 125P34A, 022756 | | 120V @ 60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FEX | QUAD WITH REVERB* | | | 240V @ 50/60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FX | SHOWMAN* | 125P34A, 022756 | Silverface, Blackface, AB763, AC568, AA763 | 120V @ 60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FEX | SHOWMAN* | | Silverface, Blackface, AB763, AC568, AA763 | 240V @ 50/60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FX | SHOWMAN REVERB* | 125P34A, 022756 | AA768 | 120V @ 60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FEX | SHOWMAN REVERB* | | AA768 | 240V @ 50/60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FX | SHOWMAN DUAL* | 125P34A, 022756 | AB763, AC568 | 120V @ 60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FEX | SHOWMAN DUAL* | | AB763, AC568 | 240V @ 50/60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FX | SHOWMAN DUAL REVERB* | 125P34A, 022756 | 100, AA769 | 120V @ 60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FEX | SHOWMAN DUAL REVERB* | | 100, AA769 | 240V @ 50/60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290S2Z | SUNN 2000* | 3-12 PT | | 117V @ 60 Hz | 780Vct @ 400 mA | 55V Bias | 6.3Vct @ 8A | 5V @ 4A | |
| 290DX | SUPER* | 8087 | Brownface, 5F4, 6G4, 6G4-A | 120V @ 60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 290DEX | SUPER* | | Brownface, 5F4, 6G4, 6G4-A | 240V @ 50/60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 290D2X | SUPER* | 8087, 125P5D, 125P5DX, 022798, 022806 | Tweed | 120V @ 60 Hz | 710Vct/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290D2EX | SUPER* | | Tweed | 120/210/220/230/240V @ 50/60 Hz | 710Vct/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290DX | SUPER* (lower plate voltage) | 8087 | Tweed, 5F4, Brownface, 6G4, 6G4-A | 120V @ 60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 290DEX | SUPER* (lower plate voltage) | | Tweed, 5F4, Brownface, 6G4, 6G4-A | 240V @ 50/60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 290ACX | SUPER CHAMP X2* | 91234000 | | 120V @ 60 Hz | 300V @ 100 mA | 34Vct @ 100 mA | 9V @ 1.5A | 6.6V @ 1.5A | |

| Hammond P/N | Amp Model | Similar Amp | | Primary Volts | Secondary | | | | |
|----------------|--------------------------|---|--|------------------------------------|---------------------------|-------------------|-------------------|-----------------|---|
| | | P/N's* | Chassis No.* | | Secondary 1 | 2 | 3 | 4 | 5 |
| 291ACX | SUPER CHAMP X2* | | | 120/240V @ 50/60 Hz | 300V @ 100 mA | 34Vct @ 100 mA | 9V @ 1.5A | 6.6V @ 1.5A | |
| 290D2X | SUPER REVERB* | 8087, 125P5D, 125P5DX, 022798, 022806 | Brownface, Blackface, AA763, AB763, Silverface, AB568, AA270 | 120V @ 60 Hz | 710Vct/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290D2EX | SUPER REVERB* | | Brownface, Blackface, AA763, AB763, Silverface, AB568, AA270 | 120/210/220/230/240V @ 50/60 Hz | 710Vct/610Vct @ 300 mA | 50V Bias | 6.3Vct @ 5A | 5V @ 3A | |
| 290FX | SUPER SIX REVERB 100* | 125P34A, 022756 | | 120V @ 60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FEX | SUPER SIX REVERB 100* | | | 240V @ 50/60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 291ZZ | SUPER SIX REVERB 135* | 13692 | | 120V @ 60 Hz | 364Vct @ 1A | 53V @ 1A | 6.3Vct @ 7A | | |
| 291ZEZ | SUPER SIX REVERB 135* | | | 120/240V @ 50/60 Hz | 364Vct @ 1A | 53V @ 1A | 6.3Vct @ 7A | | |
| 290VX | SUPER SONIC 60 COMBO* | 41752 | 021-3201-000 | 117V @ 60 Hz | 342V @ 500 mA | | 52Vct @ 250 mA | 6.3V @ 3.75A | |
| 290VEX | SUPER SONIC 60 COMBO* | | 021-3201-000 | 240V @ 50/60 Hz | 342V @ 500 mA | | 52Vct @ 250 mA | 6.3V @ 3.75A | |
| 290SX | TONEMASTER* | 26554 | | 120/230/240V @ 50/60 Hz | 337Vct @ 1.1A | | 54V @ 250 mA | 6.4V @ 3A | |
| 290CX | TREMOLUX* | 041316, 022723, 125P26A | AA763, AB763 | 120V @ 60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290CEX | TREMOLUX* | | AA763, AB763 | 240V @ 50/60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290BX | TREMOLUX* TWEED | 041316, 022723, 125P26A | 5E9, 5E9-A, 5G9 | 120V @ 60 Hz | 660Vct @ 138 mA | 50V Bias | 6.3V @ 3A | 5V @ 3A | |
| 290BEX | TREMOLUX* TWEED | | 5E9, 5E9-A, 5G9 | 240V @ 50/60 Hz | 660Vct @ 138 mA | 50V Bias | 6.3V @ 3A | 5V @ 3A | |
| 290RX | TWIN RED KNOB* | 26477 | | 120V @ 60 Hz | 337Vct @ 1.1A | | 54V @ 250 mA | 6.4V @ 3A | |
| 290REX | TWIN RED KNOB* | | | 100/120/220/240V @ 50/60 Hz | 337Vct @ 1.1A | | 54V @ 250 mA | 6.4V @ 3A | |
| 290FX | TWIN REVERB* | 125P34A, 022756 | AA769, AA270, Silverface, AB763, Blackface, 100 | 120V @ 60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FEX | TWIN REVERB* | | AA769, AA270, Silverface, AB763, Blackface, 100 | 240V @ 50/60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290BAX | ULTIMATE CHORUS* | 31668 | | 120V @ 60 Hz | 60Vct @ 2.85A | | | | |
| 290BAX | ULTIMATE CHORUS* | 31668 | | 120V @ 60 Hz | 60Vct @ 2.85A | | | | |
| 290BAX | ULTRA CHORUS* | 31668 | | 120V @ 60 Hz | 60Vct @ 2.85A | | | | |
| 290AX | VIBRO CHAMP* | 125P1B, 022772, 66079B | AA764, Blackface, Silverface | 120V, 60 Hz | 650/550Vct @ 100 mA | | 6.3Vct @ 2.25A | 5V @3A | |
| 290AEX | VIBRO CHAMP* | | AA764, Blackface, Silverface | 120/220/230/240V 50/60 Hz | 650/550Vct @ 100 mA | | 6.3Vct @ 2.25A | 5V @3A | |
| 290ABX | VIBRO CHAMP XD* | 74596000F | | 120/240V, 50/60 Hz | 293.5V @ 100 mA | 34Vct @ 95 mA | 9V @ 1.25A | 6.3V @ 5A | |
| 290SX | VIBRO KING* | 26554 | | 120/230/240V @ 50/60 Hz | 337Vct @ 1.1A | | 54V @ 250 mA | 6.4V @ 3A | |
| 290ABX | VIBRO CHAMP XD* | 74596000F | | 120/240V, 50/60 Hz | 293.5V @ 100 mA | 34Vct @ 95 mA | 9V @ 1.25A | 6.3V @ 5A | |
| 290SX | VIBRO KING* | 26554 | | 120/230/240V @ 50/60 Hz | 337Vct @ 1.1A | | 54V @ 250 mA | 6.4V @ 3A | |

| Hammond P/N | Amp Model | Similar Amp | | Primary Volts | Secondary | | | | |
|----------------|-------------------------------|----------------------------|---------------------|---------------------|------------------------|----------|-------------------|-----------------|---|
| | | P/N's* | Chassis No.* | | Secondary 1 | 2 | 3 | 4 | 5 |
| 290CX | VIBROLUX* | 041316, 022723, 125P26A | AB763 | 120V @ 60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290CEX | VIBROLUX* | | AB763 | 240V @ 50/60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290CX | VIBROLUX REVERB* | 041316, 022723, 125P26A | AA964, AB568, AA270 | 120V @ 60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290CEX | VIBROLUX REVERB* | | AA964, AB568, AA270 | 240V @ 50/60 Hz | 650Vct @ 180 mA | 50V Bias | 6.3V @ 4.5A | 5V @ 3A | |
| 290FX | VIBROSONIC* | 125P34A, 022756 | | 120V @ 60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290FEX | VIBROSONIC* | | | 240V @ 50/60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | | |
| 290EZ | 57 TWIN REISSUE* | 64419000 | | 120V @ 60 Hz | 640Vct @250 mA | 50V Bias | 6.3V @ 4A | 5V @ 4A | |
| 290EEZ | 57 TWIN REISSUE* | | | 240V @ 50/60 Hz | 660Vct @250 mA | 50V Bias | 6.3V @ 4A | 5V @ 4A | |
| 290DX | 59 BASSMAN* | 8087 | | 120V @ 60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 290DEX | 59 BASSMAN* | | | 240V @ 50/60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 290WX | 63 REVERB* | 68319A | 6G15 | 120V @ 60 Hz | 237V @ 50 mA | | 6.6V @ 1.05A | | |
| 290WEX | 63 REVERB* | | 6G15 | 240V @ 50/60 Hz | 237V @ 50 mA | | 6.6V @ 1.05A | | |
| 290UX | 63 VIBROVERB REISSUE* | | | 117V @ 60 Hz | 308.5V @ 250 mA | | 39V @ 250 mA | 6.6V @ 3.75A | |
| 290UEX | 63 VIBROVERB REISSUE* | | | 240V @ 50/60 Hz | 308.5V @ 250 mA | | 39V @ 250 mA | 6.6V @ 3.75A | |
| 290EBZ | 65 TWIN REVERB REISSUE* | | | 120V @ 60 Hz | 340V @ 500 mA | | 50V @ 100 mA | 6.3V @ 6A | |
| 290VX | 93 SUPER CONCERT* | | | 117V @ 60 Hz | 342V @ 500 mA | | 52Vct @ 250 mA | 6.3V @ 3.75A | |
| 290VEX | 93 SUPER CONCERT* | | | 240V @ 50/60 Hz | 342V @ 500 mA | | 52Vct @ 250 mA | 6.3V @ 3.75A | |
| 290EAZ | 94 TWIN REISSUE* | 41776 | | 120V @ 60 Hz | 365Vct @ 850 mA | | 27.5V @ 100 mA | 6.3V @ 7A | |
| 291AX | GENERIC | | | 120V @ 60 Hz | 650Vct @ 81 mA | | 6.3V @ 2A | 5V @ 2A | |
| 291BX | GENERIC | | | 120V @ 60 Hz | 660Vct @ 138 mA | 50V Bias | 6.3V @ 3A | 5V @ 3A | |
| 291BEX | GENERIC | | | 240V @ 50/60 Hz | 660Vct @ 138 mA | 50V Bias | 6.3V @ 3A | 5V @ 3A | |
| 291CX | GENERIC | | | 120V @ 60 Hz | 650Vct @ 207 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 291CEX | GENERIC | | | 240V @ 50/60 Hz | 650Vct @ 207 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 291DX | GENERIC | | | 120V @ 60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 291DEX | GENERIC | | | 240V @ 50/60 Hz | 650Vct @ 230 mA | 50V Bias | 6.3Vct @ 4A | 5V @ 3A | |
| 291EEX | GENERIC | | | 240V @ 50/60 Hz | 660Vct @ 276 mA | 53V Bias | 6.5V @ 3.15A | | |
| 291FX | GENERIC | | | 120V @ 60 Hz | 640Vct @ 518 mA | 60V Bias | 6.5V @ 5.5A | 6.5V @ 5.5A | |
| 290CAX | GENERIC | | | 120/240V @ 50/60 Hz | 630/550Vct @ 115 mA | | 6.3V @ 2A | 5V @ 2A | |
| 290CBZ | GENERIC | | | 120V @ 60 Hz | 650Vct @ 120 mA | | 6.3V @ 2A | 5V @ 3A | |

| Hammond | | Similar Amp | | Secondary | | | | | |
|---------|-----------|-------------|--------------|---------------------|------------------------|---|----------------|---|---------|
| P/N | Amp Model | P/N's* | Chassis No.* | Primary Volts | Secondary 1 | 2 | 3 | 4 | 5 |
| 290DAX | GENERIC | | | 120/240V @ 50/60 Hz | 710/610Vct @ 230 mA | | 6.3Vct @ 5A | | 5V @ 3A |

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 60's Vintage Vertical | - | PAPER |
| 290MX | 120/240 VAC 50/60 Hz. | AC30 60's Vintage Flat | - | BOBBIN |
| 290MAX | 120/240 VAC 50/60 HZ. | TB35C2 TONY BRUNO | - | BOBBIN |

Yorkville/ Traynor (Power Transformers)

| Part No. | Old Part No. | Traynor Amp | Yorkville / Traynor Part No. | Primary | Secondary 1 | Secondary 2 | Secondary 3 | Secondary 4 |
|----------|--------------|-----------------------|------------------------------|-------------------|-----------------|-------------|----------------|-------------|
| 291TC | 99145 | Mono Block 2 Bass Amp | A-1305 | 115VAC / 60Hz. | 76.5Vct @ 4.3A | | | |
| 290TRA | 98965 | 100 Watt Bass | A-1380 | 120VAC 60 Hz. | 320V @ 600 mA | 60V @ 50 mA | 6.3Vct @ 9A | |
| 290TRB | 79465 | YBA2-B | A-1314 | 120VAC 60 Hz. | 620Vct @ 115 mA | 6.3Vct @ 3A | | |
| 291YX | 79691 | YBA-3 | A-1315 | 120V 60 Hz | 800Vct @ 530 mA | 6.3Vct @ 6A | | |
| 291JX | 81384 | BaseMaster YBA-1 | A-1310 | 120V 60 Hz | 320V @ 500 mA | 60V @ 20 mA | 6.65Vct @ 2.5A | - |
| 291JEX | --- | BaseMaster YBA-1 | A-1310 | 120/240V 50/60 Hz | 320V @ 500 mA | 60V @ 20 mA | 6.65Vct @ 2.5A | - |

¹ Special order only. Please contact Hammond's sales team for more information.

AMPEG (Power Transformers)

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

*DISCLAIMER: Hammond Mfg. is not affiliated with Fender Musical Instruments Corp., Marshall Amplification, Yorkville/Traynor, AMPEG or VOX Amplification companies. Amplifier model names are trademarks of the Amplifier companies and are just listed here for reference purpose only.

Data subject to change without notice

© 2020. Hammond Manufacturing Ltd. All rights reserved.

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А