

# Athearn Genesis FEF-3 4-8-4 HO Scale (2018 Release)

Tsunami<sup>2</sup> Install

**Default Values**



This document contains CV values for our 2018, TSU-21PNEM install into an Athearn Genesis FEF-3 Northern, UP #844 Steam locomotive. Any CV value not listed here match those of aftermarket SoundTraxx products. See the [manuals](#) section of our website for more information.

P.N.	Description		
<b>ATHG97379</b>	HO FEF-3 Northern 4-8-4, UP #844		

Whistle Selections	CV 120 Value	Whistle Selections	CV 120 Value
ATSF Step Top 6-Chime	0	Lima Step Top 5-Chime	32
Baldwin Class B-4G	1	Lunkenheimer Flat Top 3-Chime	33
Baldwin Single-Chime	2	L&N Passenger 3-Chime	34
Baldwin Flat Top 3-Chime	3	L&N Freight 3-Chime	35
Baltimore & Ohio 3-Chime	4	Milwaukee Road Step Top 6-Chime	36
Boston & Maine Step Top 5-Chime	5	Nathan Step Top 5-Chime (Road)	37
C&O Flat Top Single-Chime	6	Nathan Step Top 5-Chime (Yard)	38
Colorado & Southern No.74 (Road)	7	Nathan Step Top 5-Chime	39
Colorado & Southern No. 74 (Yard)	8	N&W Step Top 3-Chime No.611	40
Colorado & Southern No. 801	9	N&W Flat Top Single-Chime No.1218	41
Crosby 5" Flat Top 3-Chime	10	PRR Round Top 3-Chime	42
Crosby 6" Flat Top 3-Chime (Road)	11	PRR Flat Top Single-Chime "Banshee"	43
Crosby 6" Flat Top 3-Chime (Yard)	12	Reading Flat Top 6-Chime (1)	44
D&RGW Flat Top Single-Chime	13	Reading Flat Top 6-Chime (2)	45
C-19 No.340 (Road)	14	Southern Railway 8" Flat Top Single-Chime	46
C-19 No.340 (Yard)	15	Southern Railway Iron Top 3-Chime	47
D&RGW K-27 No.463 (Road)	16	Southern Railway Flat Top 3-Chime	48
D&RGW K-27 No.463 (Yard)	17	Southern Pacific Step Top 6-Chime (1)	49
D&RGW Flat Top 3-Chime K-28 No.473	18	Southern Pacific Step Top 6-chime (2)	50
D&RGW Step Top 5-Chime K-36 No.487	19	Southern Pacific GS-4 No. 4449 Whistle	51
Nathan Step Top 5-Chime D&RGW No.488	20	Leslie A200 Airhorn SP GS-AC Classes	52
Powell Round Top 3-Chime D&RGW No.489	21	Hancock 3-Chime Union Pacific No.3985	53
K-36 No.489 (Broken Chime)	22	USRA Step Top 6-Chime	54
K-37 No.497	23	Westside Lumber Co. Shay No.12	55
Frisco No.1522 3-Chime "Steamboat"	24	Westside Lumber Co. Shay No.14	56
Hancock Step Top 3-chime	25	Heisler	57
Hancock Flat Top 3-Chime UP No.4018	26	Round Top Single-Chime "Peanut"	58
Hancock Flat Top 3-Chime	27	Wabco E2 Airhorn	59
Hancock Short Bell 3-Chime (Road)	28	Single-Chime (1) ATSF Freight	60
Hancock Short Bell 3-Chime (Yard)	29	Single-Chime (2)	61
Illinois Central 3-Chime "Steamboat"	30	LNER A4 3-Chime	62
Lehigh Valley Single-Chime	31		

Bell Selections	CV 122 Value	Bell Selections	CV 122 Value
Heavy Brass	0-4	Heavy Brass (3)	27-31 (30 selected)
Light Brass (1)	5-9	Air Rung Medium Brass	32-33
Medium Brass (1)	10-14	Medium Brass (3)	34-38
Medium Brass (2)	15-19	Medium Brass (4)	39-43
Heavy Brass (2)	20-24	Light Steel	44-48
Air-rung Heavy Brass	25-26	Heavy Brass (4)	49-53

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Exhaust Chuff Selections	CV 123 Value	Exhaust Chuff Selections	CV 123 Value
Light (1)	0	Medium (3)	5
Light (2)	1	Heavy (1)	6
Light (3)	2	Heavy (2)	7
Medium (1)	3	Heavy (3)	8
Medium (2)	4	Geared	9

Airpump Selections	CV 124 Value	Airpump Selections	CV 124 Value
Single-Phase (1)	0	Cross-Compound (4)	5
Single-Phase (2)	1	Dual "Whistling" Cross-Compound	6
Cross-Compound (1) (Westside Shay)	2	Dual Single-Phase	7
Cross-Compound (2)	3	Dual Cross-Compound	8
Cross-Compound (3)	4	Vacuum Pump	9

Dynamo Selections	CV 125 Value	Dynamo Selections	CV 125 Value
Dynamo (1)	0	Dynamo (5)	4
Dynamo (2)	1	Muffled Dynamo	5
Dynamo (3)	2	Double Dynamos	6
Dynamo (4) Union Pacific No.4018	3	Triple Dynamos	7

## Configuration Variable Default Values

CV	Description	Value	CV	Description	Value	CV	Description	Value
3	Baseline Acceleration Rate	75	128	Master Volume	128	227	125 Hz Cut/Boost	100
4	Baseline Deceleration Rate	150	129	Whistle Volume Select	75	228	250 Hz Cut/Boost	150
49*	Headlight Configuration	143	131	Exhaust Chuff Volume Select	128	229	500 Hz Cut/Boost	150
112*	Sound Configuration 1	10	135	Rod Knock Volume Select	75	230	1 kHz Cut/Boost	200
114	Engine Exhaust Control	85	161	Whistle Reverb	192	231	2 kHz Cut/Boost	175
117	Independent Brake Rate	228	225	Equalizer Control Register	7	232	4 kHz Cut/Boost	128
118	Train Brake Rate	178	226	62 Hz Cut/Boost	0	233	Reverb Control Register	2

### Note:

- \* Headlight Configuration (CV 49) is set for and LED Dyanamo Headlight
- \*Souond Configuration 1 (CV 112) is set for oil, power reverse, and anNon-lifting injector.

If a CV or a sound selection is not listed within this documentation, the default value or selection choices match those of aftermarket SoundTraxx products. For more information about unlisted items, please refer to the [Tsunami2](#) product documentation in the manuals section of our website. To see the application note detailing this install click [here](#).