

Athearn Genesis F45 HO Scale



Horn selections:

Leslie RS3L (default)	0	Nathan K3LA	3
Nathan P3	1	Leslie S3L	4
Leslie RS5T	2	Nathan K5 LA	5

Diesel Prime Mover:

EMD 645 Turbo

Configuration Variable Defaults

CV #	Description	Default value	CV #	Description	Default value
1	Primary address Control	03	128	Master Volume Control	192
2	V Start	00	129	Horn Volume Control	225
3	Baseline Acceleration Rate	00	130	Bell Volume Control	128
4	Baseline Braking Rate	00	131	Exhaust Volume Control	180
7	Manufacturer Version ID	Read Only	132	Air Compressor Volume	125
8	Manufacturer ID	141	133	Dynamic brake Volume Control	100
10	BEMF Cutout	00	134	Radiator Fan Volume	140
11	Packet time Out Value	00	135	Reserved	
12	Alternate Power Source	01	136	Reserved	
13	Analog Mode Functions	16	137	Coupler Volume Control	128
14	Analog Function enable 1	03	138	Reserved	
15	CV Unlock Code	00	139	Brake Squeal Volume	128
16	CV Lock Code	00	140	Brake Release Volume	64
17	Extended Address	192	141	Reserved	
18	Extended Address	03	142	Reserved	
19	Consist Address	00	143	Poppet Valve	80
21	Consist Function Group	00	144	Reserved	
22	Consist Function Group 2	00	146	Reserved	
23	Consist Acceleration Rate	00	153	7 Band Equalizer	00
24	Consist Braking Rate	00	154	62 Hz Cut/ Boost	128
25	Speed Table Register	00	155	125 Hz Cut/ Boost	128
29	Configuration Register 1	00	156	200 Hz Cut/Boost	128
30	Error information		157	500 HZ Cut/Boost	128
	Alternate mode selection	04	158	1K Hz Cut/Boost	128
33	FL (f) Output Location	01	159	2K Hz Cut/Boost	128
34	FL (R) Output Location	01	160	4KHz Cut/ Boost	128
35	F1 Output Location	08	161	Reverb	00
36	F2 Output Location	04	162	Reverb Output Level	00
37	F3 Output Location	16	163	Reverb Delay	00
38	F4 Output Location	08	164	Reverb Gain	00
39	F5 Output Location	06	169	Horn Reverb	00
40	F6 Output Location	00	170	Bell Reverb	00
41	F7 Output Location	16	171	Diesel Exhaust Reverb	00
42	F8 Output Location	32	172	Air Compressor Reverb	00
43	F9 Output Location	128	173	Reserved	
44	F10 Output Location	128	174	Reserved	
45	F11 Output Location	00	175	Reserved	
46	F12 Output Location	00	176	Reserved	
47	Analog Whistle Control	00	193	Bell On point	10
49	Hyperlight F0 F	15	194	Bell Off Point	40
50	Hyperlight F0 R	15	195	Grade Crossing Sensitivity	04
51	Hyperlight F5	41	196	Brake Sensitivity	03
52	Hyperlight F6	57	197	Analog Auto Configuration	05
59	Flash Rate	06	198	DCC Auto Configuration	00
60	Crossing Hold Time	04	209	KP Coefficient	25
61	F11 Braking Rate	00	210	KI Coefficient	20
62	Transponding Control	00	212	Motor Control Intensity	255
63	Analog Mode Motor Start Volt.	40	213	Motor Control Sample	15
64	Analog Mode Max Volt.	180	214	Motor Control Aperture Time	15
66	Forward Trim	128			
67-94	Speed Table	Varies			
95	Reverse Trim	128			
105	User Identifier #1	---			
106	User Identifier #2	---			
112	Sound Configuration	03			
113	Quiet Mode Timeout Period	00			
114	Bell Ring Rate	03			
115	Horn Selection	00			
116	Exhaust Control/ dynamic brake	103			
119	Effect Processor Select	00			