



HO ES44DC Diesel

Announced 10.28.16
Orders Due: 11.25.16

Burlington Northern Santa Fe

ETA: September 2017



Era: 2005+

Without Sound

ATHG83004	HO ES44DC, BNSF #7652
ATHG83005	HO ES44DC, BNSF #7674
ATHG83006	HO ES44DC, BNSF #7709
ATHG83007	HO ES44DC, BNSF #7743

With Sound

ATHG83104	HO ES44DC w/DCC & Sound, # BNSF #7652
ATHG83105	HO ES44DC w/DCC & Sound, # BNSF #7674
ATHG83106	HO ES44DC w/DCC & Sound, # BNSF #7709
ATHG83107	HO ES44DC w/DCC & Sound, # BNSF #7743

BNSF FEATURES:

- First time in Genesis – BNSF Heritage II Paint Scheme
- Short front snowplow
- Nose door window
- High number boards
- 4-window cab side windows
- Desktop control stand
- Sunshades
- Salem air filter
- Electronic parking brake
- Hi-adhesion trucks
- High rear sand filler
- Low rear vertical headlight



Era: 2006+

Without Sound

ATHG83008	HO ES44DC, BNSF Railway #7695
ATHG83009	HO ES44DC, BNSF Railway #7627
ATHG83010	HO ES44DC, BNSF Railway #7749
ATHG83011	HO ES44DC, BNSF Railway #7777
ATHG83012	HO ES44DC, BNSF Railway #7786

With Sound

ATHG83108	HO ES44DC w/DCC & Sound, # BNSF Railway #7695
ATHG83109	HO ES44DC w/DCC & Sound, # BNSF Railway #7627
ATHG83110	HO ES44DC w/DCC & Sound, # BNSF Railway #7749
ATHG83111	HO ES44DC w/DCC & Sound, # BNSF Railway #7777
ATHG83112	HO ES44DC w/DCC & Sound, # BNSF Railway #7786

BNSF FEATURES:

- BNSF Heritage III /Wedge Paint Scheme
- Short front snowplow
- Nose door window
- High number boards
- 4-window cab side windows
- Desktop control stand
- Sunshades
- Salem air filter
- Electronic parking brake
- Hi-adhesion trucks
- High rear sand filler
- Low rear vertical headlight

w/o Sound \$199.98_{SRP} With **Tsunami** Sound \$299.98_{SRP}

These items are subject to Horizon's MAP policy



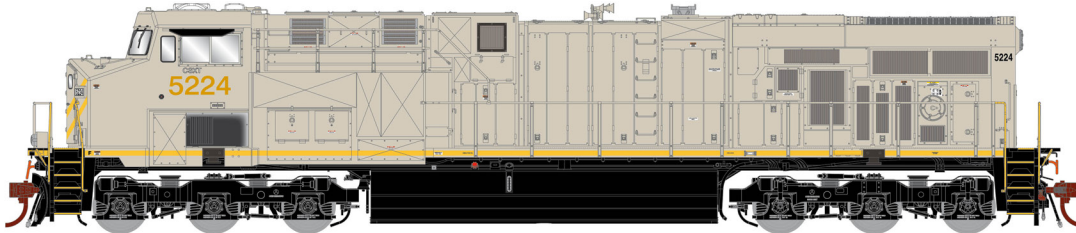
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HO ES44DC Diesel

CSX

Announced 10.28.16
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ETA: September 2017



Era: 2005-2006

Without Sound

ATHG83013

ATHG83014

With Sound

ATHG83113

ATHG83114

HO ES44DC, CSX #5224

HO ES44DC, CSX #5234

HO ES44DC w/DCC & Sound, # CSX #5224

HO ES44DC w/DCC & Sound, # CSX #5234

CSX FEATURES:

CSX and NS began receiving ES40DC units in primer grey paint with their respective numbers and owner reporting marks stenciled under the cab to fulfill a brief power shortage. Yet some units simply didn't receive their final paintwork until long after their assembly primarily due to increasing back orders at GE's Erie facility.



Era: 2007+

Without Sound

ATHG83015

ATHG83016

ATHG83017

ATHG83018

With Sound

ATHG83115

ATHG83116

ATHG83117

ATHG83118

HO ES44DC, CSX #5200

HO ES44DC, CSX #5215

HO ES44DC, CSX #5264

HO ES44DC, CSX #5296

HO ES44DC w/DCC & Sound, # CSX #5200

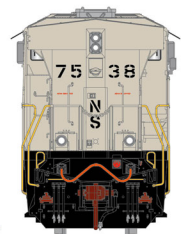
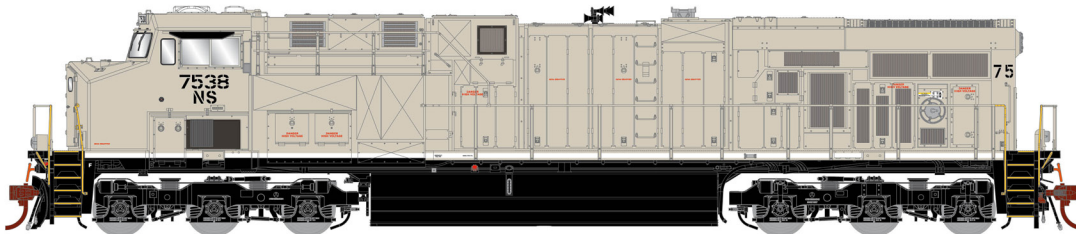
HO ES44DC w/DCC & Sound, # CSX #5215

HO ES44DC w/DCC & Sound, # CSX #5264

HO ES44DC w/DCC & Sound, # CSX #5296

- Tall front snowplow
- Nose door window
- Low front headlight
- Low number boards
- 3-window cab side windows
- AAR control stand
- Prime air filter
- Low rear sand filler
- Rear high vertical headlights
- Front MU receptacles molded onto anti-climber supports per prototype
- Long hood end access door
- LSL light

Norfolk Southern



Era: 2005-2006

Without Sound

ATHG83019

ATHG83020

With Sound

ATHG83119

ATHG83120

HO ES40DC, NS #7538

HO ES40DC, NS #7556

HO ES40DC w/DCC & Sound, NS #7538

HO ES40DC w/DCC & Sound, NS #7556

NS FEATURES:

- NS specific rear ditchlights
- NS rear anticlimber
- NS specific rear handrails
- NS specific electronic parking brake detail on right side front truck
- Tall front plow
- No brake wheel on body
- High headlight

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HO ES44DC Diesel Norfolk Southern

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ETA: September 2017



Era: 2007+

Without Sound

ATHG83021	HO ES40DC, NS #7501
ATHG83022	HO ES40DC, NS #7506
ATHG83023	HO ES40DC, NS #7513
ATHG83024	HO ES40DC, NS #7514

With Sound

ATHG83121	HO ES40DC w/DCC & Sound, NS #7501
ATHG83122	HO ES40DC w/DCC & Sound, NS #7506
ATHG83123	HO ES40DC w/DCC & Sound, NS #7513
ATHG83124	HO ES40DC w/DCC & Sound, NS #7514

NS FEATURES (continued):

- High number boards
- 3 window cab
- AAR Control stand
- Prime air filter
- Hi-Ad trucks
- High rear vertical headlight
- Nose door window
- LSL Light
- Molded MU receptacles on anti-climber supports per prototype
- Long hood end access door

All Road Names

LOCOMOTIVE FEATURES:

- Illuminated ditch lights
- Low or high front headlight per prototype
- Tinted cab windows
- Large antenna dome
- Small GPS dome
- See through dynamic brake intakes
- Two dynamic brake exhaust vents with wide spacing and flush housing
- Short auxiliary cab rear left-side doors
- Right side forward electrical cabinet with X-Panel
- Nathan K5HL horn
- Engine compartment side grab irons
- Flush radiator compartment doors
- Hand brake panel grille
- Flush heat exchanger housing and top radiator grilles
- 5000-gallon fuel tank
- Era: 2005+
- Minimum radius: 18"
- Recommended radius: 22"

GENESIS DIESEL LOCOMOTIVE FEATURES:

- Fully-assembled and ready-to-run
- DCC-ready features Quick Plug™ plug-and-play technology with both 8- and 9-pin connector
- Scaled from prototype resources including drawings, field measurements, photographs, and more
- Accurately-painted and -printed paint schemes
- Coupler cut levers
- MU hoses
- Trainline hose
- See through cab windows
- Full cab interior
- Walkway tread
- Fine-scale Celcon handrails for scale appearance
- Windshield wipers
- Lift rings
- Wire grab irons
- Detailed fuel tank with fuel fillers, fuel gauges, breather pipes, and retention tanks
- Sander lines
- McHenry scale knuckle couplers - Kadee compatible
- Genesis driveline with 5-pole skew wound motor, precision machined flywheels, and multi-link drivetrain for trouble free operation

- All-wheel drive with precision gears for smooth and quiet operation
- All-wheel electrical pickup provides reliable current flow
- Wheels with RP25 contours operate on all popular brands of track
- Incandescent bulbs for realistic appearance
- Bidirectional constant lighting so headlight brightness remains constant
- Heavy die-cast frame for greater traction and more pulling power
- Packaging securely holds for the model for safe storage
- Replacement parts available

SOUND EQUIPPED MODELS ALSO FEATURE:

- Onboard DCC decoder with SoundTraxx Tsunami2 sound
- Sound units operate in both DC and DCC
- Full DCC functions available when operated in DCC mode
- Engine, horn, and bell sounds work in DC
- All functions NMRA compatible in DCC mode
- Excellent Slow speed control
- Operating lighting functions with F5 and/or F6
- Program a multiple unit (MU) lashup with lead unit only horn, bell, and lights
- Many functions can be altered via Configuration Value (CV) changes
- CV chart included

PROTOTYPE INFO:

In 2002, GE released the first of a new series of locomotives that would replace the popular Dash-9 series. The ES44DC and ES44AC, commonly called GEVOs for General Electric Evolution series, were designed to meet the stricter diesel locomotive emissions standards imposed by the EPA Tier II regulations. To meet the new standards, GE developed the 12-cylinder GEVO 12 engine. Both the bore and stroke were increased to produce the same 4400 horsepower as the older 7FDL16 16-cylinder engine. The new engine drives an alternator producing AC current that is rectified to DC current. On the ES44DC, this powers the traction motors. On the ES44AC, the DC current is "chopped" back into AC to power the traction motors. The two models share a common 73' 2" frame and external appearance.

The ES44DC and ES44AC external details have changed with almost every year's new orders. These models are of the early version produced in 2005 and 2006 and include the nose door on the left side, two widely-spaced dynamic brake vents, X-panels on the electrical cabinet, side grab irons on the long hood and flush-mounted top radiator grilles and radiator compartment doors.

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