HO SD90MAC-H Phase II Diesel

Canadian Pacific

Announced 3.29.19
Orders Due: 5.17.19
ETA: March 2020

Era: 1999+

CP FEATURES:
- Cab side rain gutters in place of sunshades
- No blue flag holders on engineer's side of cab
- CP raised walkway grates for snow service
- CP specific roof antennas
- Air dryer with relocated fuel tank bracket on engineer's side rear corner of fuel tank per CP prototype
- CP specific MU receptacle locations
- Nose door with window
- As delivered strut placement on truck sideframes

Genesis 2.0 Features:
SEE-THROUGH PILOT STEPS, LIT NUMBERBOARDS & GROUND LIGHTS

Without Sound:
ATHG27230  HO SD90MAC-H Phase II, CP #9300
ATHG27231  HO SD90MAC-H Phase II, CP #9301
ATHG27232  HO SD90MAC-H Phase II, CP #9302
ATHG27233  HO SD90MAC-H Phase II, CP #9303

With Sound:
ATHG27330  HO SD90MAC-H Phase II w/DCC & Sound, CP #9300
ATHG27331  HO SD90MAC-H Phase II w/DCC & Sound, CP #9301
ATHG27332  HO SD90MAC-H Phase II w/DCC & Sound, CP #9302
ATHG27333  HO SD90MAC-H Phase II w/DCC & Sound, CP #9303

w/o Sound $249.98 SRP  With Tsunami2 Sound $339.98 SRP

These items are subject to Horizon's MAP policy.

Visit Your Local Retailer | Visit www.athearn.com | Call 1.800.338.4639
HO SD90MAC-H Phase II Diesel
Fortescue Metals Group

Announced: 3.29.19
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ETA: March 2020

Era: 2005+

**Without Sound**

ATHG27234  HO SD90MAC-H Phase II, FMG #901
ATHG27235  HO SD90MAC-H Phase II, FMG #902
ATHG27236  HO SD90MAC-H Phase II, FMG #903
ATHG27237  HO SD90MAC-H Phase II, FMG #904

**With Sound**

ATHG27334  HO SD90MAC-H Phase II w/DCC & Sound, FMG #901
ATHG27335  HO SD90MAC-H Phase II w/DCC & Sound, FMG #902
ATHG27336  HO SD90MAC-H Phase II w/DCC & Sound, FMG #903
ATHG27337  HO SD90MAC-H Phase II w/DCC & Sound, FMG #904

**FMG FEATURES:**
- Former Union Pacific locomotives repainted in Australia, retaining 265H prime mover
- Safety guard in middle of handrails per Australian practice
- Pilot electrical junction boxes per prototype
- Dual trainline air hoses per FMG practice
- Modified strut placement on truck sideframes

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Electro Motive

Announced 3.29.19
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Era: 1998+

**Without Sound**
ATHG27238
HO SD90MAC-H Phase II, EMDX #90

**With Sound**
ATHG27338
HO SD90MAC-H Phase II w/DCC & Sound, EMDX #90

EMDX FEATURES:
- Demonstrator unit has 3 fans on radiator housing
- Nose door with window
- Demonstrator specific fuel tank per prototype
- Pilot mounted ditch lights
- As delivered strut placement on truck sideframes

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Union Pacific*

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Without Sound
ATHG27226  HO SD90MAC-H Phase II, UP #8522
ATHG27227  HO SD90MAC-H Phase II, UP #8531
ATHG27228  HO SD90MAC-H Phase II, UP #8537
ATHG27229  HO SD90MAC-H Phase II, UP #8559

With Sound
ATHG27326  HO SD90MAC-H Phase II w/DCC & Sound, UP #8522
ATHG27327  HO SD90MAC-H Phase II w/DCC & Sound, UP #8531
ATHG27328  HO SD90MAC-H Phase II w/DCC & Sound, UP #8537
ATHG27329  HO SD90MAC-H Phase II w/DCC & Sound, UP #8559

Era: 1999+

UP FEATURES:
- Antenna dome on cab roof per prototype
- Blue flag holders on engineers side of cab nose
- Nose door no window
- Cab side long style sun shades
- As delivered strut placement on truck sideframes

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* Union Pacific Licensed Product
**HO SD90MAC-H Phase II Diesel**

**All Railroads**

**Announced 3.29.19**  
**Orders Due: 5.17.19**  
**ETA: March 2020**

**SOUND EQUIPPED MODELS ALSO FEATURE**

- Onboard DCC+Sound models have full-feature Tsunami2 sound decoder with EMD 26SH prime mover sounds by SoundTraxx
- 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
- Precision slow speed control
- 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 in the box

**LOCOMOTIVE FEATURES:**

- Brand new model previously only available in brass
- Fully-assembled and ready-to-run
- DCC-ready features Quick Plug™ plug-and-play technology with 21-pin NEM connector
- Scaled from prototype resources including drawings, photographs, and more
- Accurately-painted and –printed paint schemes
- Coupler cut levers
- Rubber 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
- Sander lines
- McHenry scale knuckle couplers - Kadee compatible
- Genesis driveline with 5-pole skew wound motor, precision machined flywheels, and multi-link drivetrain
- All-wheel drive with precision gears for smooth & quiet operation
- All-wheel electrical pickup provides reliable current flow
- Wheels with RP25 contours operate on all popular brands of track
- LED Lighting for realistic appearance
- Heavy die-cast frame for greater traction and more pulling power
- Packaging securely holds the model for safe storage

**GENESIS 2.0 FEATURES:**

By integrating and pioneering some of the latest model advancements in the industry, Athearn is redefining model fidelity with Genesis 2.0.

- Etched, see-through walkway steps
- Illuminated number boards
- Illuminated ground lights
- DCC+Sound models feature dual Sugarcube speakers for optimal sound quality

**PROTOTYPE SPECIFIC INFORMATION**

During the mid-1990's, the horsepower race was in full swing between General Electric and GM's Electro-Motive Division. Starting in 1995, EMD revived the 20 cylinder engine design, last seen in the SD45, and introduced the 5,000HP SD80MAC. GE soon responded with the 6,000HP 7HDL prime mover in their AC6000CW locomotive. EMD answered back with the GM16V265H 4-stroke diesel engine with a similar 6,000HP output. Thus, the SD90MAC-H was born.

**w/o Sound $249.98**

**SRP**

**With Tsunami2 Sound $339.98**

**SRP**

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