



Bulletin: *Atlas ALP-45DP *

Address **3**
Manufacturer Atlas
Project number 90470
Project version V1-R1



Atlas ALP45DP
www.atlasrr.com

The ALP-45DP is a “dual mode” locomotive, capable of drawing power from either overhead electrical wires or its own pair of 12-cylinder Caterpillar diesel engines. These flexible locomotives were designed to provide a one-seat commute from NJ TRANSIT’s various diesel-only lines into the electrified territory that leads to New York City’s Penn Station. This fulfills the requirement of not operating diesels through the North River Tunnels and within the subterranean Penn Station complex. Produced by Bombardier Transportation in Kassel, Germany, the first ALP-45DP locomotive entered service on NJ TRANSIT on May 30, 2012.

NJ TRANSIT’s 35 ALP-45DP locomotives are commonly seen on commuter trains traversing the Morristown Line, Montclair-Boonton Line, Raritan Valley Line, and North Jersey Coast Line. These lines do not have overhead electrical wires for their entire length, necessitating a change of power source somewhere en-route. Previously, locomotives or entire trainsets would have to be changed, inconveniencing riders. The ALP-45DP alleviates this need, performing the switch from diesel to electric power (or vice versa) in just under two minutes during a routine station stop.

The LokSound Select decoder was made specifically to work with the Atlas ALP-45DP Model.

As the NJT ALP-45DP was only ever equipped with the Nathan K5LA horn we have provided multiple versions of this horn adjustable with CV48.

More for information please visit:
www.LokSound.com

Key	Function	Sound slots	Volume CVs	Volume values
F0	Directional Headlights and marker lights			
F1	Bell	4	283	70
F2	Playable Airhorn	3	275	128
F3	Coupler Clank	5	291	128
F4	Electric Mode	1, 21	259, 419	128, 100
F5	Fans	8	315	55
F6	AUX1 + AUX2 (Ditch Light)			
F7	Switching Mode			
F8	Sound (On/Off) - Diesel Mode	2, 22, 23	267, 427, 435	128, 80, 128
F9	Air Conditioning	9	323	128
F10	Short Air Let Off	14	363	128
F11	Not in use			
F12	Dimmer (Headlights)			

F13	Not in use			
F14	Not in use			
F15	Not in use			
F16	Not in use			
F17	Brake Set / Brake Release			
F18	Sanding Valve	13	355	128
F19	Short Air Let Off	14	363	128
F20	Compressor	7	307	50
F21	Pop Valve Sound	15	371	128
F22	Not in use			
F23	Not in use			
F24	Not in use			
F25	Not in use			
F26	Not in use			
F27	Not in use			
F28	Not in use			