

# HEAD TO HEAD

HX<sup>®</sup> SERIES WITH THE S13<sup>®</sup> INTEGRATED POWERTRAIN VS. WESTERN STAR 49X DD13



### Why International<sup>®</sup> HX<sup>®</sup> Series Wins:

- S13<sup>®</sup> Integrated Powertrain is lighter and more efficient, with longer service intervals with a broader service support, and lower operating costs
- HX has a 3-piece hood makes repairs more cost effective, compared to the 1-Piece hood on the 49X

### CAB ARCHITECTURE AND CONSTRUCTION

HX SERIES	49X
119" or 120" BBC	121.5" BBC
Day Cab	Day Cab
56" Low Roof	36" Low Roof
56" and 73" Hi-Rise	36", 48", 60", 72" Mid Roof 72" High Roof

### HX Series heavy duty steel cab vs 49X's steel reinforced aluminum cab

- Steel construction provides durability and ease of repair for body panels
- InterCoat<sup>®</sup> ChemGuard Coating and E-Coat over galvanized steel allows nearly same corrosion resistance as aluminum

### POWERTRAIN OPTIONS

The International S13 and Detroit DD13 are both 13-liter engines, but the S13, part of an integrated powertrain with the T14<sup>®</sup> transmission, focuses heavily on fuel efficiency via a DOHC design, higher compression (no EGR cooler), and fixed geometry turbo, aiming for superior fuel efficiency over competitors like the DD13.

### Engine advantages

- The International S13 engine requires no cooled EGR system like the DD13
- The International S13 is 203 lbs. lighter than the DD13
- Convenience of the largest service network in the industry with over 1000 locations

INTERVALS	HX SERIES S13/T14	49X DD13/DT12-OV
Oil and Fuel Filters	40,000 - 75,000 miles	35,000 - 65,000 miles
DPF Filter	450,000 - 650,000 miles	Dashboard Light will illuminate
Coolant Filter	N/A	NA
Transmission Fluid	160,000 - 600,000 miles	180,000 - 600,000 miles

WARRANTY	HX SERIES S13/T14	49X DD13/DT12-OV
Engine	24 months Unlimited miles	24 months Unlimited miles
Aftertreatment	24 months Unlimited miles	Up to 60 months 350,000 miles
Transmission	36 <sup>1</sup> months Unlimited miles	60 months 750,000 miles
Clutch	36 <sup>1</sup> months Unlimited miles	36 months 300,000 miles

<sup>1</sup> Depends on axle: < 52K = 36 months  
> 52K = 24 months

## DRIVER COMFORT & ERGONOMICS

### HX Series advantages vs 49X

- Larger door opening width
- 37 degree telescoping steering wheel vs 23 degrees
- Pedal spacing is greater on the HX to accommodate bulky work boots
- HX with the S13 has one of the quietest sound levels at idle

### SOUND LEVELS (dB, idle) HX SERIES 49X

SOUND LEVELS (dB, idle)	HX SERIES	49X
Interior	57.4	58.1

## TRANSMISSION GEARING

### HX SERIES S13/T14

Gear	Ratio	Step
1	20.81	29%
2	16.16	29%
3	12.57	29%
4	9.76	29%
5	7.56	29%
6	5.87	29%
7	4.55	29%
8	3.53	29%
9	2.77	29%
10	2.15	29%
11	1.66	29%
12	1.29	29%
13	1.00	29%
14	0.78	-
R6*	4.59	-
R5*	5.91	-
R4*	7.61	-
R3*	9.81	-
R2	12.6	-
R1	16.23	-

### 47X DD13/DT12-OV

Gear	Ratio	Step
1	14.56	29%
2	11.30	31%
3	8.61	29%
4	6.68	31%
5	5.09	29%
6	3.95	38%
7	2.86	29%
8	2.22	31%
9	1.69	29%
10	1.31	31%
11	1.00	28%
12	0.78	-
R4	2.46	-
R3	3.17	-
R2	12.53	-
R1	16.15	-

\*Optional



Scan to learn more



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## VISIBILITY

Visibility is crucial to help ensure each trip is completed safely. The HX wraparound windshield and severe duty hood provide superior driver visibility compared to the 49X.

### VISIBILITY ADVANTAGE

### HX SERIES

Driver's side window forward	Better by over 2 ft.
Windshield straight ahead	Better by 1.5 ft.
Over right side of hood	Better by over 4 ft.
Over left side of hood	Better by over 3 ft.
Passenger's side glass	Better by over 2 ft.

## SERVICE LOCATIONS

### INTERNATIONAL®

700+ dealer locations (and 400+ additional service locations)

### WESTERN STAR

450+ dealer locations (and 400+ additional service locations)

## DIAMOND LOGIC® BUILDER

Diamond Logic® Builder software is a powerful tool for integrating body controls, diagnostics, and safety interlocks and best of all, it can be customized for your specific needs.



At International® Financial, we focus on developing a deep understanding of customer needs and requirements so that we can provide industry-leading, customer-focused solutions. International Financial provides premier service and support.

- A captive financing partner dedicated to the transportation industry
- Ease of doing business
- Industry-leading customer service
- Preserve traditional sources of liquidity
- Online account management