

# MEETING YOUR CUSTOMER'S WEIGHT EXPECTATIONS.



For many customers, overall weight is an important factor in buying a truck. Each pound you trim off the truck's chassis weight means one more pound of payload capacity. And the more payload a truck hauls when it heads out, the more profit it brings back.

International offers a wide range of weight-saving options to meet individual customer needs.

From selection of the right International<sup>®</sup> 8000 and 9000i Series model and sleeper configuration to choosing the optimum components, International provides customers with real weight-reducing strategies that move them ahead – on the road and in their business.



## Selecting the right model.

Weight savings begins with selecting the right model and sleeper configuration. In most cases, there are trade-offs to cost, vehicle size and serviceability, but where “weight is king,” International offers numerous alternatives. With standard specifications, you can see the weight differences with the model selected:

International® Model	BBC	WB*	Weight**
8500	107" (272 cm)	152" (386 cm)	12,981 lb (5,888 kg)
8600	107" (272 cm)	146" (371 cm)	13,698 lb (6,213 kg)
9200 <i>i</i>	112" (284 cm)	160" (406 cm)	14,177 lb (6,431 kg)
9400 <i>i</i>	120" (305 cm)	160" (406 cm)	15,396 lb (6,984 kg)
9900 <i>i</i>	120" (305 cm)	181" (460 cm)	15,184 lb (6,887 kg)
9900 <i>ixc</i>	130" (330 cm)	185" (470 cm)	15,436 lb (7,002 kg)

\*Optional add-on weights for each model are based on the wheelbase listed. GCW maximum ratings (lb): 8500 model, 65,000; 8600 model, 80,000; 9000*i* Series, 90,000.

\*\*Weight includes 6x4 standard chassis, standard tires, oil and water, but less fuel.

## Making smart choices on sleepers.

Within the International® 8000 and 9000*i* Series, customers can select from five different base sleeper configurations:

8600 Series with extended cab with sleeper bunk  
 9000*i* Series with 51" (130 cm) Lo-Roof sleeper  
 9000*i* Series with 51" (130 cm) Hi-Rise sleeper  
 9000*i* Series 72" (183 cm) Hi-Rise sleeper  
 9000*i* Series 72" (183 cm) Sky-Rise® sleeper

These choices affect the customer's options for storage features, bunk configurations and roof heights; but each also impacts weight. So it's important to select the right sleeper for the intended application.

## Selecting the right components to stay on track.

Many readily available components need to be carefully considered when looking to reduce overall weight.

- **Aero features** – A Hi-Rise sleeper with a roof fairing and side extenders will be approximately 50 lb (23 kg) heavier than a Sky-Rise sleeper with its “built-in” roof fairing.

Full chassis skirting can add up to 434 lb (197 kg) of weight, not including the mandatory under-bumper valance panel that adds another 16 lb (7 kg).

- **Engines** – Weight differences between engines should be carefully considered.

### Basic Engine Weights\*

International® HT 530	1,425 lb (646 kg)
International® HT 570	1,560 lb (708 kg)
Cummins ISM with EGR	2,190 lb (993 kg)
CAT® C11 (ACERT®)	2,250 lb (1,021 kg)
CAT C13 (ACERT)	2,270 lb (1,030 kg)
Mack® ASET® (12-liter hwy)	2,350 lb (1,066 kg)
Detroit Diesel® Series 60 with EGR	2,582 lb (1,171 kg)
Volvo® VE D12	2,477 lb (1,124 kg)
Mercedes Benz® MBE 4000**	2,040 lb (925 kg)
Cummins ISX with EGR	2,942 lb (1,334 kg)
CAT C15 (ACERT)	3,150 lb (1,429 kg)

\*Dry weights. Engine weights do not include chassis-installed emissions effects or engine accessories.

\*\*Non-emissions compliant.

- **Fuel tanks** – Fewer and smaller tanks weigh less and haul a lighter volume of fuel. Select a tank package that meets your operating needs without hauling excess weight.

- **Wheels and hubs** – Switching to aluminum wheels and hubs can bring significant weight reductions. Over 450 lb (204 kg) can be subtracted from total truck weight.

- **Tires** – New tire technology can also result in significant weight reduction. Four Michelin® Super Single tires take the place of eight dual tires, saving nearly 500 lb (227 kg) in weight.

- **Transmissions** – Recent new offerings provide another opportunity to lower weight. The Eaton® Fuller® Lightning Series transmission features a weight-saving design, including an aluminum clutch housing, reducing weight by 129 lb (59 kg).

- **Brakes** – Special brake drums are available to reduce weight. The Motor Wheel® CentriFuse drums can reduce weight by 108 lb (49 kg) on a 6x4 tractor.

- **Clutches** – The Eaton® Fuller® Solo® clutch is 9 lb (4 kg) lighter than their comparable standard clutch.

- **Fifth wheels** – Fontaine now provides an optional lightweight slide bracket that reduces the overall weight of the fifth wheel up to 50 lb (23 kg).

- **Rear axles** – Rear axles with aluminum housings can save up to 89 lb (40 kg). The Meritor® RT-40-145A is an excellent choice for reducing rear axle weight.

- **Suspensions** – International® multi-leaf rear suspensions are the lightest, but the IROS air suspension can be used with only a 35-lb (16 kg) penalty, single axle or tandem.

- **Composite front springs** – Composite front springs reduce vehicle weight. Specify code 03AEH and save 110 lb (50 kg).

- **International® 9000*i* day cabs** – Additional weight savings (24 lb [11 kg]) can be realized by specifying an aluminum cab-mounting crossmember (code: 01WCH).



International® 8600

**Standard weight-saving features on International® 8000 and 9000i Series tractors.**

- Aluminum fuel tank with extruded aluminum self-cleaning steps.
- Lightweight three-piece RTM fiberglass hood.
- Durable lightweight radiator constructed of advanced aluminum alloys.
- Formed stainless steel clad lightweight bumper.
- Aluminum cab with extruded aluminum door frames and inner and outer panels.
- Aluminum battery box and cover with aluminum self-cleaning step pad.
- Lightweight two-battery system.
- Aluminum deck plates.
- Heat-treated alloy steel frame rails for greater strength and lighter weight.
- Single exhaust system with aluminum muffler guard.



International® 9200i

**WEIGHT-SAVING FEATURES AVAILABLE WITH INTERNATIONAL 8000 AND 9000i SERIES TRACTORS**

International 8000 and 9000i Series trucks can be ordered with a variety of weight-reducing features and components.

	Approximate Weight Savings	Component Code*	8000/9000i	9000i Only	8000 Only
Aluminum front disc wheels (22.5")	115 lb (52 kg)	27DMG	✓		
Aluminum rear disc wheels (22.5")	342 lb (155 kg)	28DMG	✓		
Aluminum hubs (FR&RR 6x4)	107 lb (49 kg)	FR 27526 RR 28526	✓		
Michelin® X One Tires (Super Singles)	500 lb (227 kg)	76822683259	✓**		
Aluminum air tank	34 lb (15 kg)	04VDK	✓**		
Fontaine Fifth Wheel LWS®	50 lb (23 kg)	10ERM	✓		
Eaton® Fuller® Solo® clutch	9 lb (4 kg)	11MDY	✓		
Eaton® Fuller® Lightning transmission	129 lb (59 kg)	13GML	✓		
Meritor® RT-40-145A rear axle	89 lb (40 kg)	14GSX	✓		
The Motor Wheel® CentriFuse brake drums (FR&RR 6x4)	108 lb (49 kg)	FR 29331 RR 29334	✓		
Aluminum cab-mounting crossmember***	24 lb (11 kg)	01WCH		✓	
Composite front springs	110 lb (50 kg)	3AEH		✓	
Sky-Rise® vs. Hi-Rise sleeper with roof fairing	50 lb (23 kg)	16AUL/16AUE		✓	
International® HT 530 vs. Cummins ISM	765 lb (347 kg)	Dry weights from chart at left			✓
International® HT 530 vs. CAT® C11	825 lb (374 kg)	Dry weights from chart at left			✓
Cummins ISM vs. CAT C13	80 lb (36 kg)	Dry weights from chart at left	✓		
Cummins ISX vs. CAT C15	208 lb (94 kg)	Dry weights from chart at left		✓	

\* Sample code; multiple codes available for most components. Also see Sales Tools for model-specific availability.

\*\*Component has been quoted as SQ on 8000 Series.

\*\*\*9000i day cabs only.



**THE BRILLIANCE OF COMMON SENSE.™**

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