

Transactional Truckload Quoting and Equipment Guide

Now you can gain access to real-time Truckload market rates leveraging the Transactional Pricing Engine by C.H. Robinson. For more information on this pricing engine, visit our [integrations page](#) and navigate to the “Benefits” section.

To gain access you need to include additional values:
[Rating / Quoting API](#)

- “platform” (not needed for every integration)
- “transactionId”

If you are using [Order Create API](#), you need to include a new “whole order” reference number.

- “referenceNumbers” – type “CUSTQUOTID”
- Set the value as the C.H. Robinson “QuoteID” provided to you in the initial rate response.

Data that affects the Truckload Market Rate

For real-time Truckload market rates, the Transactional Pricing Engine only considers the following shipment attributes. Beyond that, other data points which you may expect to affect the price are not considered in the calculation.

Market Rates includes Van, Flatbed and Reefer for the US 48.

Count on the following data points to influence the price of a quote and nothing beyond these.

- Items – “actualWeight”
- Items – “weightUnit”
- Origin/Destination – “countryCode”
- Origin/Destination – “postalCode”
- Date – “shipDate”
- Customer – “customerCode”
- Transport – “mode”
 - “TL”
 - “Flatbed”
 - *Note* “LTL” would be sent here too but is irrelevant for the TL pricing engine.
- Equipment – “equipmentType”
 - “Reefer” (Reefer requires that you send in “TL” for the mode.)

You can send in more data which would be captured as part of the tender when using the [Create Order with QuoteID](#) or [Create Order](#) API functionality, it just won’t influence the upfront quoted amount.

The C.H. Robinson Account Team who takes care of the end shipper will be able to account for things like additional accessories or special services during shipment execution.



What you can't quote on Transactional Truckload Pricing Engine (via API)

At this time, market TL rates do not yet support pricing based on the following shipment attributes. We are investing in the technology to support these and more. Therefore, expect to see the TL market rating features continue to expand.

- **Special Accessorials:** The Transactional Pricing Engine will only provide Line Haul and Fuel costs.
- **Cross Border:** The Transactional Pricing Engine will only generate a quote for shipments in the contiguous US 48 states. Shipments outside that will not return a rate.
- **Drop Trailer:** While DropTrailer is technically "truckload" freight, it is almost always project freight, and the Transactional Pricing Engine will not quote these through the API.
- **Specialty Flatbed:** Transactional quoting through the C.H. Robinson API will not generate a quote for non-standard Flatbed. For example, Tarping, Hotshot, StepDeck, Flat Deck, Double Stack, etc. will not influence the price at this time.
- **Quote Expiration:** Transactional quoting through the C.H. Robinson API will not generate quotes with an expiration date.
- **Late Same-day Shipments:** The Transactional Pricing Engine will not generate quotes for certain "same-day" shipments.
 - Our quoting system is looking at the ship date, but not the time of day.
 - If that ship date is the same day that the quote was requested, it's a "same-day shipment quote request".
 - After 12pm CST, we may not return a rate because it's too late in the day to find carrier capacity.

Mode and Equipment Compatibility Chart

While only "mode" is marked as a "required field" on the API Developer Portal, it is strongly recommended that "mode" be accompanied by an "equipmentType" value. Below is a chart to explain which equipment values are compatible with which mode types. You may only request one mode and equipment pair per rate request.

Mode	Compatible Equipment	
TL	Van	Required, defaulted if not sent
	Reefer	<i>Required, not defaulted</i> <i>Needed to specify this type of shipment</i> <i>See *Reefer and Temperatures section below.</i>
Flatbed	Flatbed	Required by rating, defaulted if not sent
LTL	Van	Required by rating, defaulted if not sent
	Reefer	Not required by rating



*Reefer, Temperatures and Transport Service

When rating and tendering with Reefer or Temperature Controlled shipments, you need to send additional information in the item detail array. Without this extra item detail, orders appear as a DryVan in the C.H. Robinson TMS.

Requesting a quote for a Temp Controlled shipment does affect the cost in a Transactional Quote. However, the precise temperature values (min and max) do not have a substantial impact on price of a Transactional quote but are used to meet a shipper's desired temperature service level.

What you send in the following fields in conjunction with an equipmentType of "Reefer" will determine the Transport Service that appears on the order in the C.H. Robinson TMS.

- "items" array – "temperatureSensitive"
- "items" array – "temperatureUnit"
 - If you send "Empty" or omit the field entirely, the temp. values are assumed to be Fahrenheit in the C.H. Robinson TMS.
- "items" array – "requiredTemperatureHigh"
- "items" array – "requiredTemperatureLow"
 - The numeric values in the High and Low fields do not change based on the temperatureUnit you send (either Fahrenheit or Celsius).

The grid below breaks down how to use these 4 fields.



"temperatureSensitive"	"requiredTemperatureHigh" "requiredTemperatureLow"	Resulting Transport Service in the TMS
"Dry"	High/Low are ignored No temp values are set	Truckload
"Fresh"	High/Low are ignored Uses predefined temps: Low = 25; High = 32 (Fahrenheit or Celsius)	Temp Controlled
"Frozen"	High/Low are ignored Uses predefined temps: Low = -10; High = 0 (Fahrenheit or Celsius)	Temp Controlled
"Chilled"	High/Low are ignored Uses predefined temps: Low = 40; High = 60 (Fahrenheit or Celsius)	Temp Controlled
"DeepFrozen"	High/Low are ignored Uses predefined temps: Low = -20; High = -20 (Fahrenheit or Celsius)	Temp Controlled
"Refrigerated"	High/Low are ignored Uses predefined temps: Low = 33; High = 38 (Fahrenheit or Celsius)	Temp Controlled
"Protect"	High/Low are ignored Uses predefined temps: Low = 33; High = 60 (Fahrenheit or Celsius)	Temp Controlled
"Custom"	High/Low are consumed Defaulted to 33 and 37 if you don't send High and Low. (Fahrenheit or Celsius)	Temp Controlled
"Produce"	High/Low are consumed Defaulted to 33 and 37 if you don't send High and Low. (Fahrenheit or Celsius)	Temp Controlled
"Empty"	Ignored No temp values are set	Truckload
If you omit whole field	Ignored No temp values are set	Truckload
*If you send a null value in the field the call will fail.	N/A	N/A

