

# Volume Rate Quote API Guide

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# Considerations

## HTTP verbs

The Volume Rate Quote API follows standard HTTP and REST conventions in its use of HTTP verbs. Only the **POST** is used for this service.

Verb	Usage
<b>POST</b>	Used to create rate quote.

## API Key

Requests to create a Volume Rate Quote require authentication using an API key as a URI query parameter. See example request below.

# Terms & Conditions

## Truckload (ATL quotes)

Call 1-866-208-0168 to schedule pick-up.

- This is through our **Truckload** Division - (Please keep this number for reference when you call in your pickup)
- QUOTE IS VALID ONLY via AVERITT TRUCKLOAD.
- IF THE SHIPMENT IN QUESTION MOVES via AVERITT LTL, THE QUOTED PRICE HEREIN IS COMPLETELY INVALID AND ACTUAL CHARGES WILL LIKELY BE MUCH HIGHER.
- This quote is an estimate of freight charges based on information provided.
- This does not override any existing published rates.
- **PLEASE NOTE THE FOLLOWING FOR THE VOLUME CHARGE TO BE VALID**
  - Please be sure that the quote number is given to the Averitt Associate booking the load at the time of tender.
  - Conditional to equipment availability.
  - Shipper live load and consignee live unload based on a maximum of 60 minutes at both origin and destination.
  - Unless specifically noted otherwise, the governing provisions published in the AVRT 100, AVRT 115, and NMF 100 in effect at the time of shipment will apply.
  - All charges must be billable to a United States address.
  - Length and weight limits: Up to 53 linear feet and 44,500 lbs.
  - **Mexico rates, which are for linehaul transportation only, do not include Customs charges, broker fees, or bridge cross fees.**

# Terms & Conditions (continue)

## LTL volume (VOL quotes)

Call 1-800-AVERITT (1-800-283-7488) OPTION #1 FOR LTL to arrange delivery

- This is through our LTL Division - (Please keep this number for reference when you call in your pickup)
- **PLEASE NOTE THE FOLLOWING FOR THE VOLUME CHARGE TO BE VALID**
  - Reference Quote Confirmation Number and rate on the bill of lading.
  - Conditional to equipment availability. Subject to move and deliver as capacity allows.
  - Shipper live load and consignee live unload based on a maximum of 30 minutes at both origin and destination.
  - Unless specifically noted otherwise, the governing provisions published in the AVRT 100, AVRT 115, and NMF 100 in effect at the time of shipment will apply.
  - All charges must be billable to a United States location
- Length and weight limits:
  - Pup - up to 28 linear feet and 24,000 lbs.
  - TL - up to 53 linear feet and 44,500 lbs.

# Example HTTP & CURL Requests

```
POST /rate-quotes/volume?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 251
Host: api.averitexpress.com
```

```
{
  "originZipCode" : "29401",
  "shipperCity" : "Charleston",
  "shipperState" : "SC",
  "destinationZipCode" : "38501",
  "consigneeCity" : "Cookeville",
  "consigneeState" : "TN",
  "linearFeet" : 40,
  "weight" : 40000,
  "equipmentType" : "van"
}
```

```
$ curl 'https://api.averitexpress.com/rate-quotes/volume?api_key=0000000000' -i -X
POST \
  -H 'Content-Type: application/json' \
  -H 'Accept: application/json' \
  -d '{
"originZipCode" : "29401",
"shipperCity" : "Charleston",
"shipperState" : "SC",
"destinationZipCode" : "38501",
"consigneeCity" : "Cookeville",
"consigneeState" : "TN",
"linearFeet" : 40,
"weight" : 40000,
"equipmentType" : "van"
}'
```

## Request Body

```
{
  "originZipCode" : "29401",
  "shipperCity" : "Charleston",
  "shipperState" : "SC",
  "destinationZipCode" : "38501",
  "consigneeCity" : "Cookeville",
  "consigneeState" : "TN",
  "linearFeet" : 40,
  "weight" : 40000,
  "equipmentType" : "van"
}
```

## Response Body

The payload returned includes the rate quote number for the created rate quote and any additional comments OR an error message if the request was not successful.

```
{
  "rateQuoteNumber" : "ATL1234567",
  "methodOfShipment" : "Truckload",
  "netTotal" : 0.0,
  "expirationDate" : "2020-04-30",
  "message" : ""
}
```

## Request Fields

Path	Type	Description
originZipCode	String	Origin zip code
shipperCity	String	Shipper / origin city
shipperState	String	Shipper / origin state
destinationZipCode	String	Destination zip code
consigneeCity	String	Consignee / destination city
consigneeState	String	Consignee / destination state
equipmentType	String	Equipment type (flatbed / van)
linearFeet	Number	Linear feet - length of the item to be shipped
weight	Number	Weight in pounds of the item to be shipped

## Response Fields

Path	Type	Description
rateQuoteNumber	String	The rate quote number where "VOL" is LTL and "ATL" is Truckload
methodOfShipment	String	Indicates LTL or Truckload
netTotal	Number	The amount in dollars
expirationDate	String	The quote expiration date in ISO 8601 format (yyyy-MM-dd)
message	String	Additional messages about the quote



# HTTP status codes

Status code	Meaning
201 Created	The rate quote has been created successfully
422 Bad Request	The user input was missing or invalid.
429 Too Many Requests	The user submitted the same origin and destination within a 12 hour period.
500 Internal Server Error	There was an unexpected server error occurred processing the user's request.

# Errors

A **422 Unprocessable Entity** response will be returned when...

an invalid city / state / zip code is used

E.g.

```
POST /rate-quotes/volume?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 251
Host: api.averittexpress.com
```

```
{
  "originZipCode" : "29401",
  "shipperCity" : "Charleston",
  "shipperState" : "SC",
  "destinationZipCode" : "90210",
  "consigneeCity" : "Cookeville",
  "consigneeState" : "TN",
  "linearFeet" : 40,
  "weight" : 40000,
  "equipmentType" : "van"
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
Content-Length: 54
```

```
{
  "message" : "Invalid destination city/state/zip"
}
```

or the city is missing from either shipper or consignee

E.g.

```
POST /rate-quotes/volume?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 241
Host: api.averittexpress.com
```

```
{
  "originZipCode" : "29401",
  "shipperCity" : "Charleston",
  "shipperState" : "SC",
  "destinationZipCode" : "38501",
  "consigneeCity" : "",
  "consigneeState" : "TN",
  "linearFeet" : 40,
  "weight" : 40000,
  "equipmentType" : "van"
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
Content-Length: 51
```

```
{
  "message" : "Consignee City cannot be blank."
}
```

or the state is missing from either shipper or consignee

E.g.

```
POST /rate-quotes/volume?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 249
Host: api.averittexpress.com
```

```
{
  "originZipCode" : "29401",
  "shipperCity" : "Charleston",
  "shipperState" : "SC",
  "destinationZipCode" : "38501",
  "consigneeCity" : "Cookeville",
  "consigneeState" : "",
  "linearFeet" : 40,
  "weight" : 40000,
  "equipmentType" : "van"
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
Content-Length: 52
```

```
{
  "message" : "Consignee State cannot be blank."
}
```

or a zip code is missing

E.g.

```
POST /rate-quotes/volume?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 246
Host: api.averittexpress.com
```

```
{
  "originZipCode" : "29401",
  "shipperCity" : "Charleston",
  "shipperState" : "SC",
  "destinationZipCode" : "",
  "consigneeCity" : "Cookeville",
  "consigneeState" : "TN",
  "linearFeet" : 40,
  "weight" : 40000,
  "equipmentType" : "van"
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
Content-Length: 51
```

```
{
  "message" : "Destination zipcode is invalid."
}
```

or an invalid linear feet entry is used

E.g.

```
POST /rate-quotes/volume?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 250
Host: api.averittexpress.com
```

```
{
  "originZipCode" : "25301",
  "shipperCity" : "Charleston",
  "shipperState" : "WV",
  "destinationZipCode" : "38501",
  "consigneeCity" : "Cookeville",
  "consigneeState" : "TN",
  "linearFeet" : 0,
  "weight" : 40000,
  "equipmentType" : "van"
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
Content-Length: 51
```

```
{
  "message" : "The linear feet, 0, is invalid."
}
```

or an invalid weight is used

E.g.

```
POST /rate-quotes/volume?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 247
Host: api.averittexpress.com
```

```
{
  "originZipCode" : "25301",
  "shipperCity" : "Charleston",
  "shipperState" : "WV",
  "destinationZipCode" : "38501",
  "consigneeCity" : "Cookeville",
  "consigneeState" : "TN",
  "linearFeet" : 40,
  "weight" : 0,
  "equipmentType" : "van"
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
Content-Length: 46
```

```
{
  "message" : "The weight, 0, is invalid."
}
```

or is missing the equipmentType

E.g.

```
POST /rate-quotes/volume?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 224
Host: api.averittexpress.com
```

```
{
  "originZipCode" : "29401",
  "shipperCity" : "Charleston",
  "shipperState" : "SC",
  "destinationZipCode" : "38501",
  "consigneeCity" : "Cookeville",
  "consigneeState" : "TN",
  "linearFeet" : 40,
  "weight" : 40000
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
Content-Length: 94
```

```
{
  "message" : "The equipment type is invalid. The only equipment type accepted is 'van'."
}
```



or an invalid value for equipmentType is used

E.g.

```
POST /rate-quotes/volume?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 255
Host: api.averittexpress.com
```

```
{
  "originZipCode" : "29401",
  "shipperCity" : "Charleston",
  "shipperState" : "SC",
  "destinationZipCode" : "38501",
  "consigneeCity" : "Cookeville",
  "consigneeState" : "TN",
  "linearFeet" : 40,
  "weight" : 40000,
  "equipmentType" : "flatbed"
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json;charset=UTF-8
Content-Length: 47
```

```
{
  "message" : "Not available for this lane"
}
```

A **429 Too Many Requests** response will be returned when... you request more than one volume rate quote too many times for the same lane within a 12 hour period.

E.g.

```
POST /rate-quotes/volume?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 251
Host: api.averittexpress.com
```

```
{
  "originZipCode" : "25301",
  "shipperCity" : "Charleston",
  "shipperState" : "WV",
  "destinationZipCode" : "38501",
  "consigneeCity" : "Cookeville",
  "consigneeState" : "TN",
  "linearFeet" : 40,
  "weight" : 40000,
  "equipmentType" : "van"
}
```

```
HTTP/1.1 429 Too Many Requests
Content-Type: application/json;charset=UTF-8
Content-Length: 54
```

```
{
  "message" : "RATE QUOTE ALREADY ISSUED FOR LANE"
}
```