

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Divisions 25.5 and 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: The following on-road motor vehicles with a manufacturer's GVWR over 10,000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

VEHICLE FAMILY INFORMATION:

Model Year: 2024

Vehicle Family Name: RTHO2VOCV601

Vehicle Type: Vocational

Vehicle Service Class: Medium HDV

Vehicle Subcategory: Medium HDV / Diesel / Multi-purpose

Gross Vehicle Weight Rating (GVWR) of Vehicles (pounds): $19,500 < \text{GVWR} \leq 33,000$

CO₂ FAMILY EMISSION LIMITS:

CO₂ Standard (g/ton-mile): 246

Highest Projected Family Emission Limit (g/ton-mile): 0

Lowest Projected Family Emission Limit (g/ton-mile): 0

EMISSION CONTROL SYSTEMS:

Other advanced technology components (ADVO)

BE IT FURTHER RESOLVED: The manufacturer has demonstrated certification compliance with the Greenhouse Gas Emission Standards as specified in Title 17 CCR 95663 and the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014 as last amended September 9, 2021.

BE IT FURTHER RESOLVED: The listed vehicle family is certified to the Enhanced Electric and Fuel-Cell Vehicle Certification Procedures in Section 1 in the California provisions of Subpart 1037.615 of the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014 as last amended September 9, 2021.

BE IT FURTHER RESOLVED: For the listed air conditioning platform(s) in the attachment, the manufacturer has demonstrated certification compliance with the AC Leakage Standard specified in 17 CCR 95663(a)(1)(B)7 and Section 1037.115 of the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014, as last amended September 9, 2021.

BE IT FURTHER RESOLVED: For the listed vehicle models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1978 (complete vehicles) (vehicle refueling emissions standards), and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: The powertrain families that are approved for installation within the vehicle family are listed in the attachment.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

Executed on this 29th day of January 2024.



Robin U. Lang, Chief
Emissions Certification and Compliance Division

Attachment 1 of 1:

Vehicle Family: RTHO2VOCV601

Date: 1/16/2024

EO: A-442-0012

Vehicle Make and Models:

Vehicle Make

Xos

Models

SV

Equipped with fuel-fire heater

No

Powertrain Families in Vehicle Family:

Powertrain Family name

RTHO4ELPCAT

Powertrain Type

Battery-electric

E.O. Number

A-442-0011

A/C Platform Summary:

A/C Platform ID

ACSA03

Refrigerant Type

R-134a

**Refrigerant
Capacity (g)**

1,200

**STD (HFC
(g/year))**

18.0

**Leakage Rate (HFC
(g/year))**

11.6