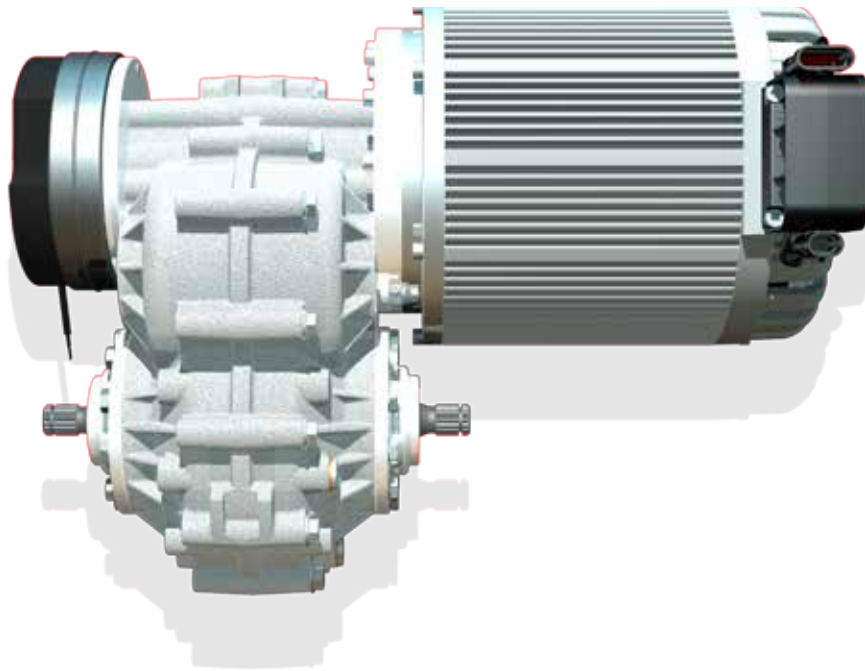


**benevelli**  
TRANSAXLES & POWER DRIVE UNITS  
Made in Italy



# TX2 SERIES

TRANSAXLES DRIVE UNIT

EXCLUSIEVE DISTRIBUTIE VOOR DE BENELUX:

**ALPATEK**  
BATTERY DRIVE SYSTEMS AND MOTORS

AC CVJ VERSION

## Asynchronous High Efficiency Motors

The TX2 Transaxle Drive System is a complete package comprised of a reduction/differential gear assembly, rigid drive axle, AC motor and an electromagnetic parking brake. Different gear ratios, track-width, wheel hubs, drum brakes are available for customization. The main features of our products are their extremely robust structure and high quality components for a heavy duty use, every product is designed and produced in our Italian facility, for this reason we can guarantee a strong control over quality and repeatability.

## Technical Specifications

|                     |                                                   |
|---------------------|---------------------------------------------------|
| Gear Ratios         | 1:05 1:07 1:10 1:13 1:16 1:22 1:28 1:35 1:43 1:56 |
| Output Torque       | 1400Nm (1032ft.lbs) Maximum                       |
| Input Speed         | 7200Rpm Maximum                                   |
| Static Load Rating  | 1400Kg (3086lb)                                   |
| Lubrication         | Oil SAE80W90 GL3 0,5Litres (1.05Pintes)           |
| Output Shafts       | Splined or flanged                                |
| Fixing              | Mounting Brackets                                 |
| Cast Housing        | Aluminium/Silicon Alloy                           |
| Gears Finishing     | Involute Grinding Profile                         |
| Differential Type   | Bevel Gear                                        |
| Efficiency          | 95%                                               |
| Motor Type          | Asynchronous                                      |
| Motor Rated Power   | From 2.0kW up to 19.0kW                           |
| Motor Rated Voltage | From 24V up to 80V                                |
| Motor Insulation    | Class F 155°C (311°F)                             |
| Braking System      | Electromagnetic Brake                             |
| Braking Torque      | From 20Nm up to 50Nm                              |



# TX2 AC CONSTANT-VELOCITY JOINTS

## EM Brake

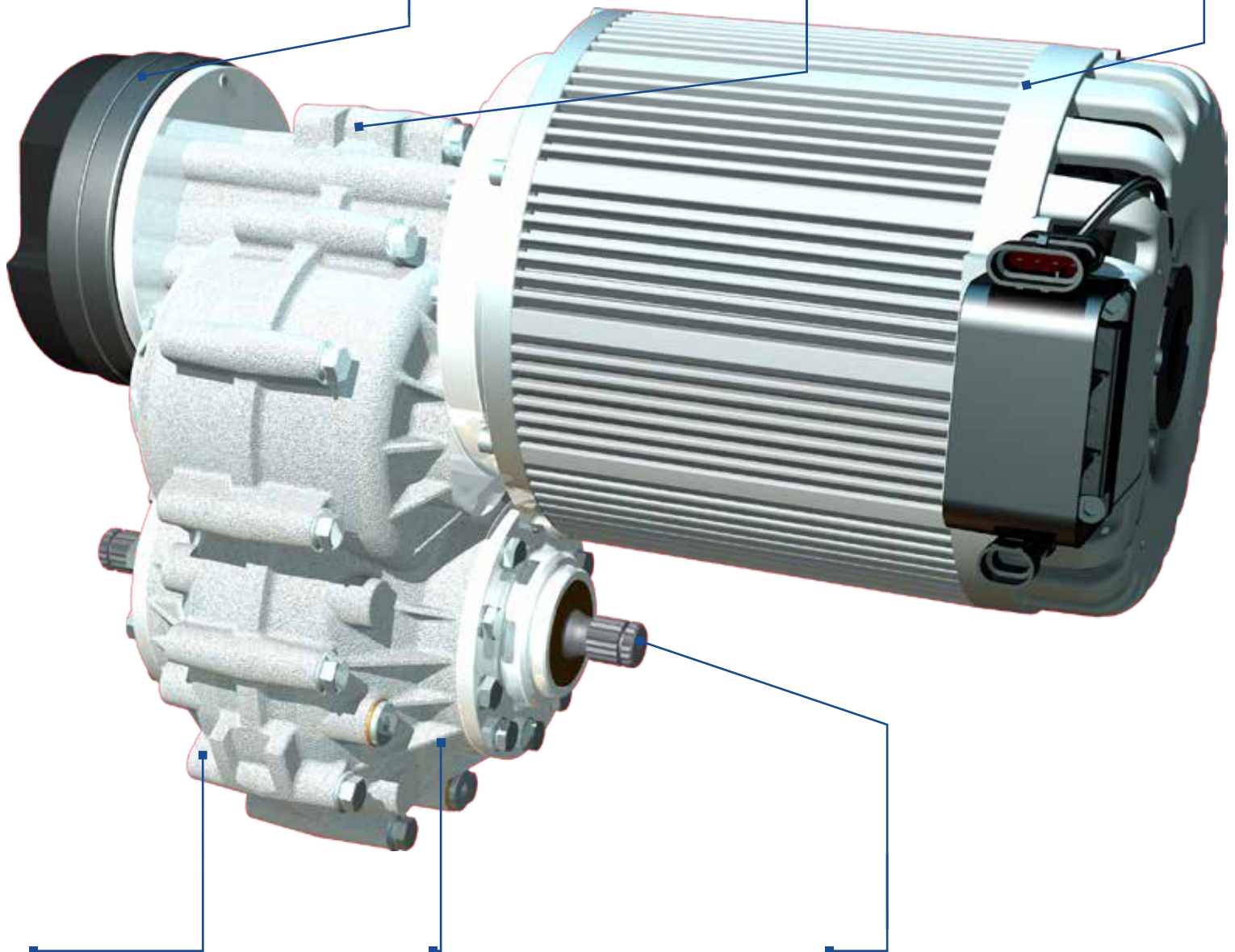
Available with several braking torques, it slow and stop transaxle motion. Compact size thanks to its position (opposite side to the motor). Hand release available

## Gears Finishing

Hardened alloy steel gears with involute grinding profile ensure maximum efficiency and low constant noise level. Several gear ratios available

## AC Motor

High Efficiency Aluminium built-in motor designed for traction use. It includes temperature sensor and speed encoder. Max power allowed 19 kW (continuous)



## Lubrication

All our products are supplied "ready to use" with adequate quantity and quality lubricating oil speeding installation time

## Gearbox Casting

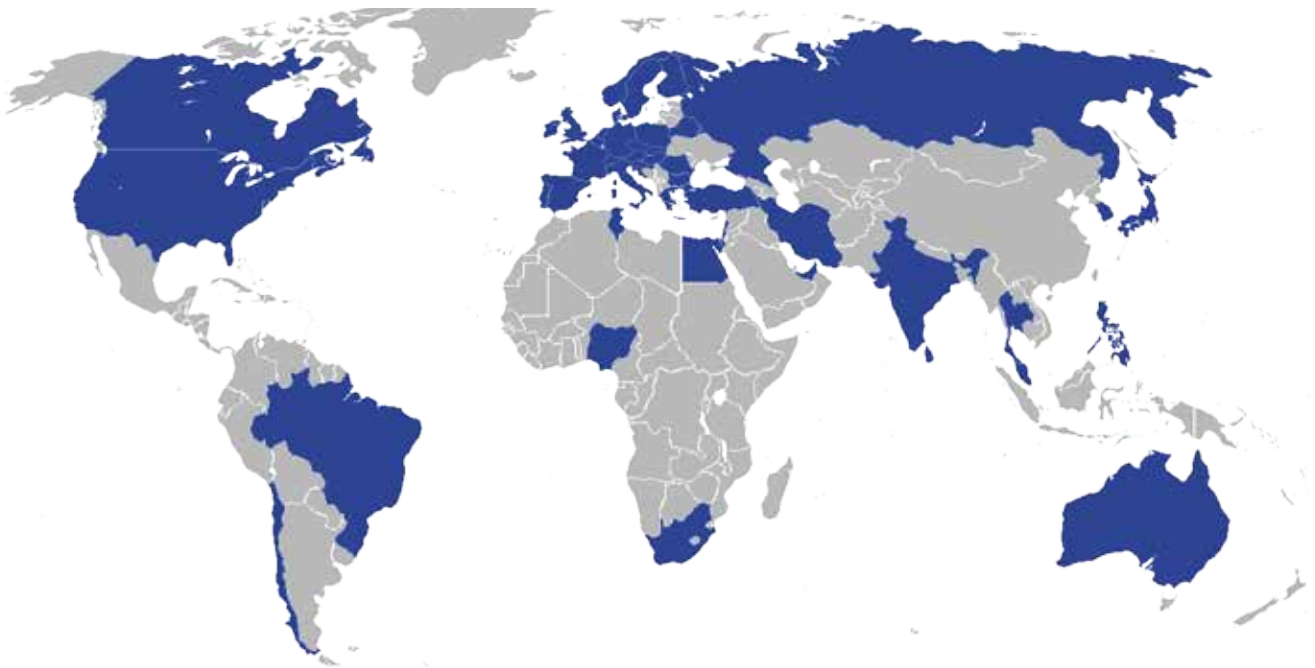
Compact and rugged Aluminium alloy gear housing minimizes weights adding strength thanks to the "Heavy Duty" design

## CVJ

Constant velocity joint version with possibility to coupling splined or flanged CVJ. Taylor Made version available on demand

Designed & Manufactured in Italy

our products are sold in 40 countries across 5 continents



Abu Dabhi  
 Austria  
 Australia  
 Belarus  
 Belgium  
 Brazil  
 Bulgaria  
 Canada  
 Chile  
 Croatia  
 Czech Republic

Denmark  
 Dubai  
 Finland  
 France  
 Germany  
 Hungary  
 India  
 Iran  
 Ireland  
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