

Drivetrain & inverter efficiency

Miondrive and Competing brands

Six supplied figures | Drivetrain maps at 140 V | Inverter curves at 110 V and 150 V

Comparison at a glance

140 V

Drivetrain maps

Ray Tek CRF V4 motor

110 V

Inverter comparison

90 km/h

150 V

Inverter comparison

60, 90 and 120 km/h

How the added power is accounted for

Miondrive: 1.1 W is added to the total power consumption of the system.

Competing brands: 5 W is added to the total power consumption of the system.

The +1.1 W and +5 W legend labels indicate these additional power-consumption amounts.

FIGURE GUIDE

02-03 Drivetrain efficiency maps

04 Inverter efficiency at 110 V / 90 km/h

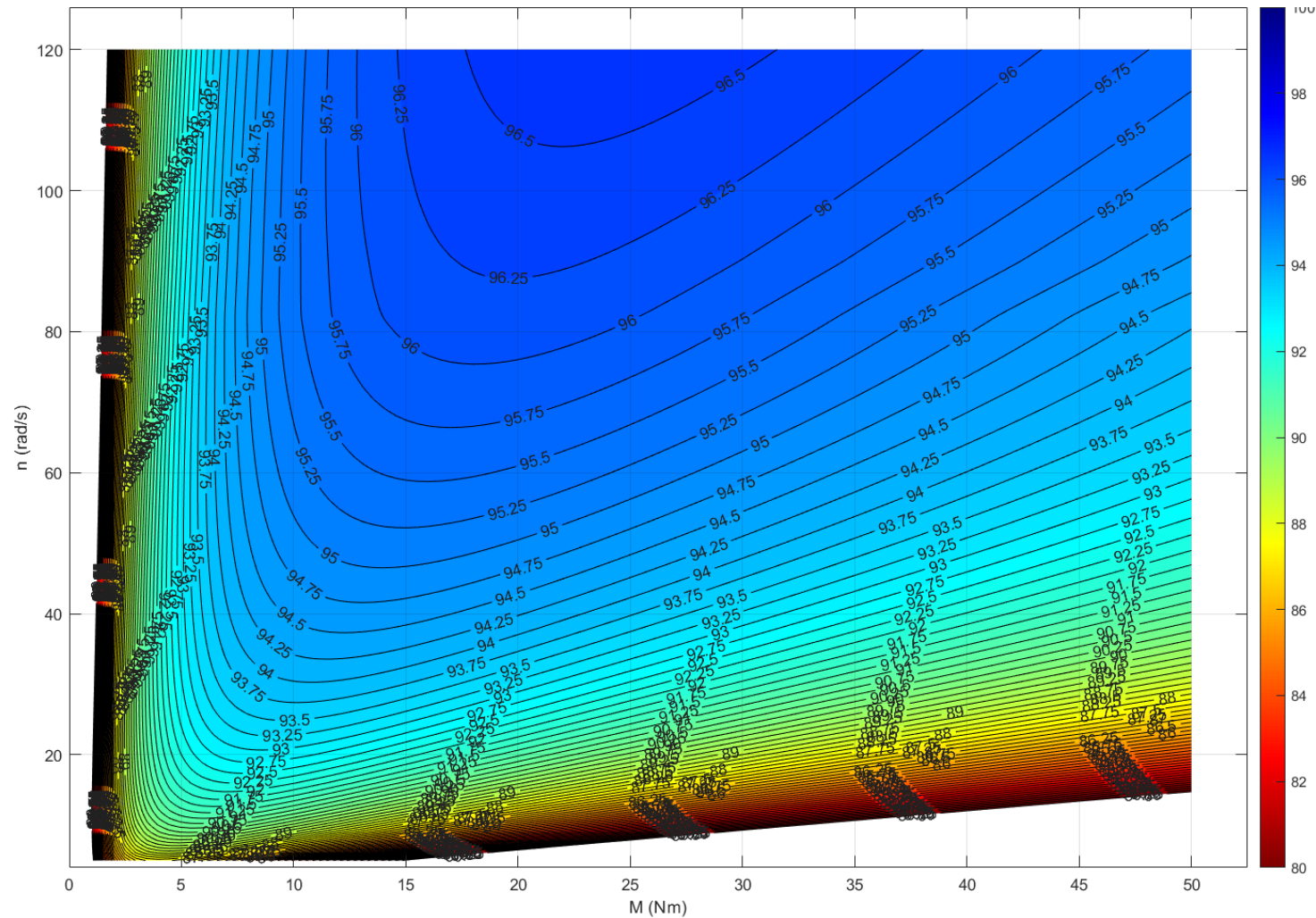
05-07 Inverter efficiency at 150 V

60, 90 and 120 km/h

Source: six user-supplied charts. Curves preserved; brand labels and power-consumption notes updated.

Miondrive 170-100s + Ray Tek CRF V4

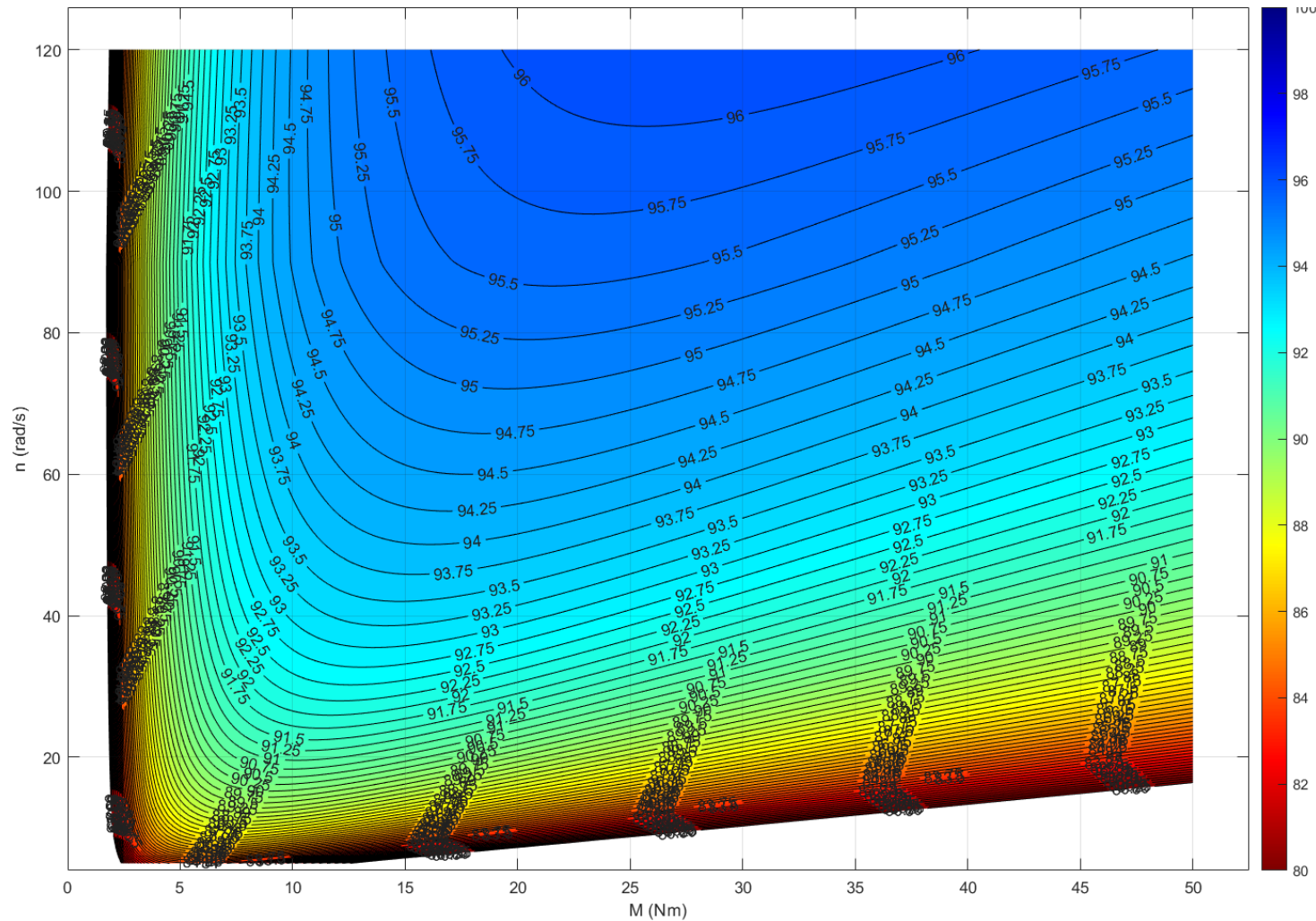
140 V DC bus | Efficiency map across torque and angular speed



Contour labels and colour scale show drivetrain efficiency (%).

Competing brands + Ray Tek CRF V4

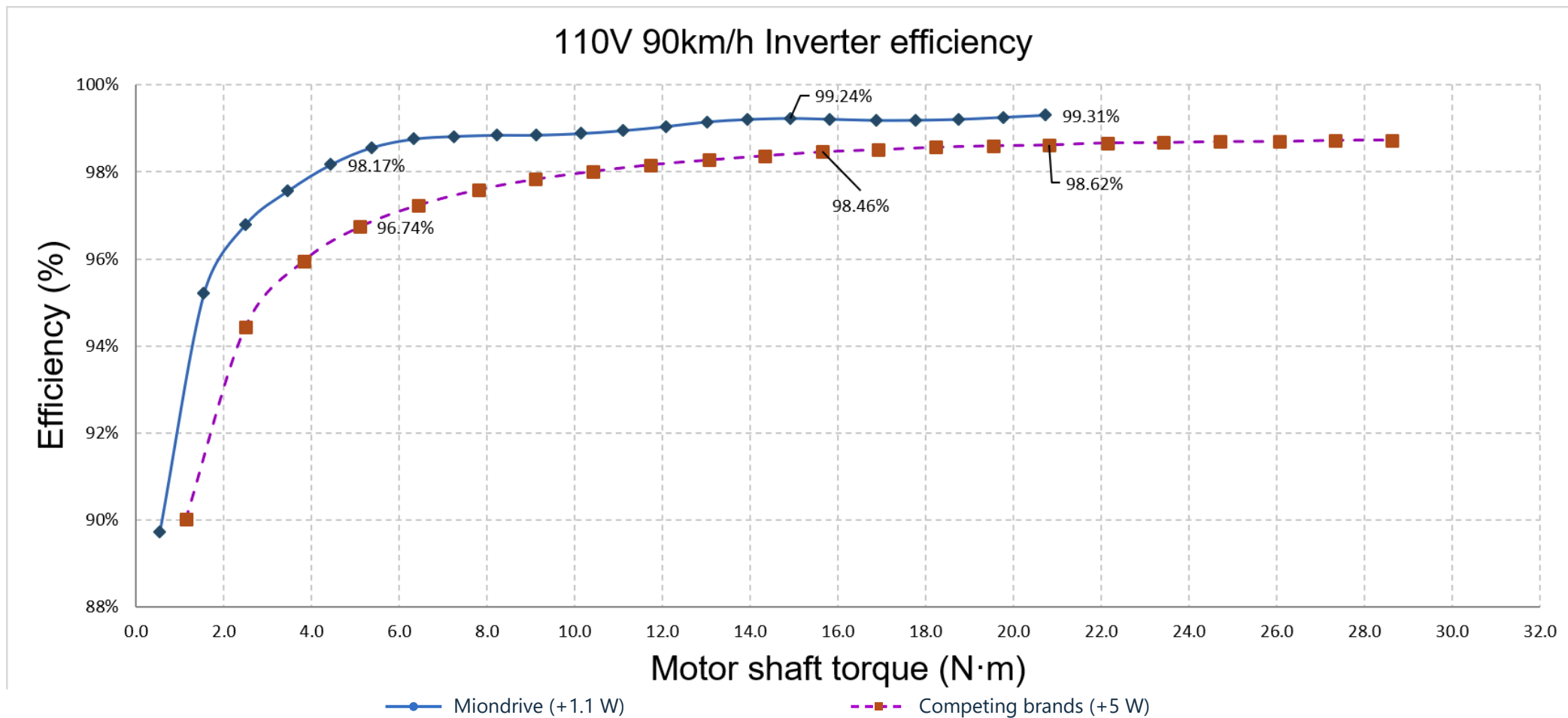
140 V DC bus | Efficiency map across torque and angular speed



Contour labels and colour scale show drivetrain efficiency (%).

110 V / 90 km/h

Miondrive and Competing brands | Efficiency versus motor shaft torque

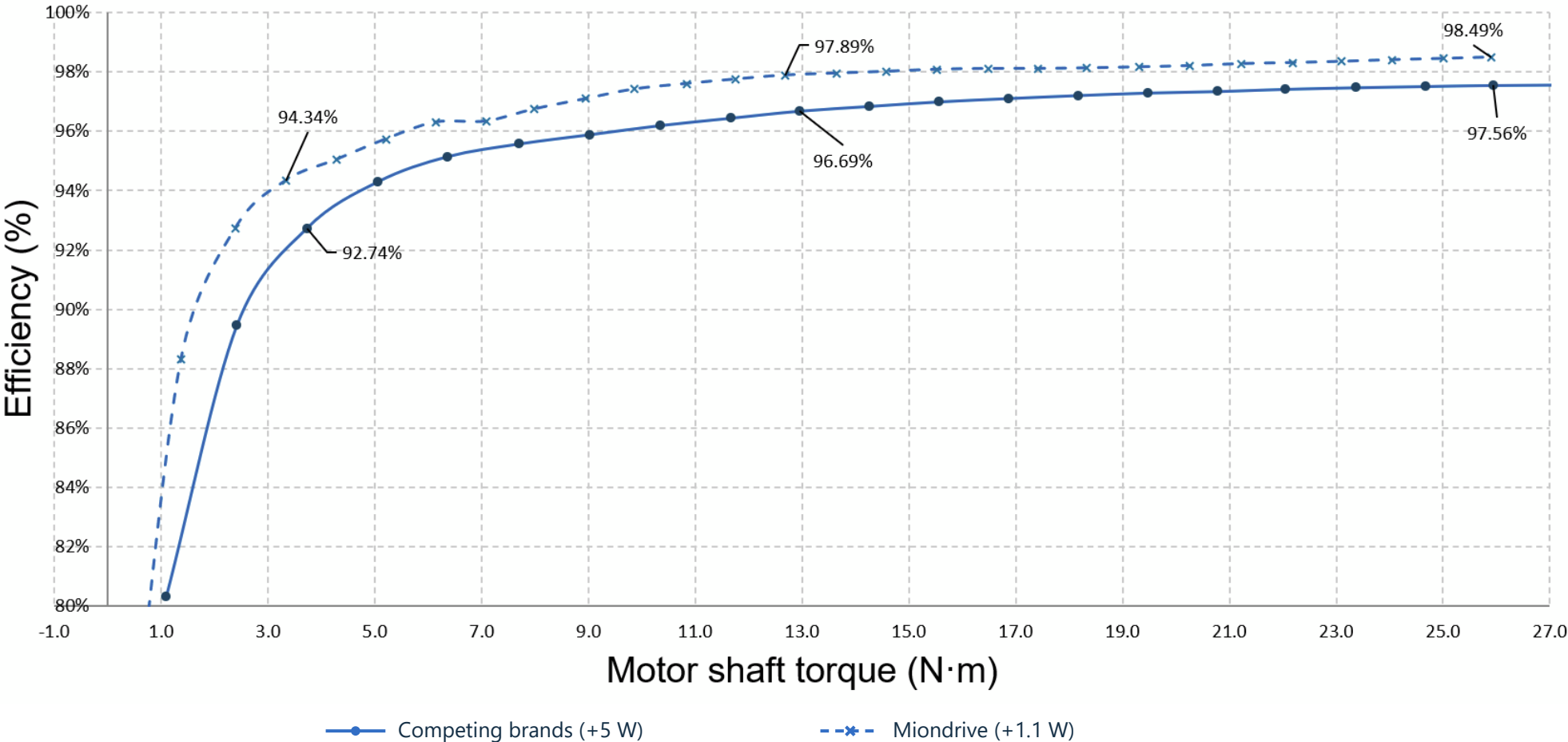


Added to total system power consumption: Miondrive +1.1 W; competing brands +5 W.

150 V / 60 km/h

Miondrive and Competing brands | Efficiency versus motor shaft torque

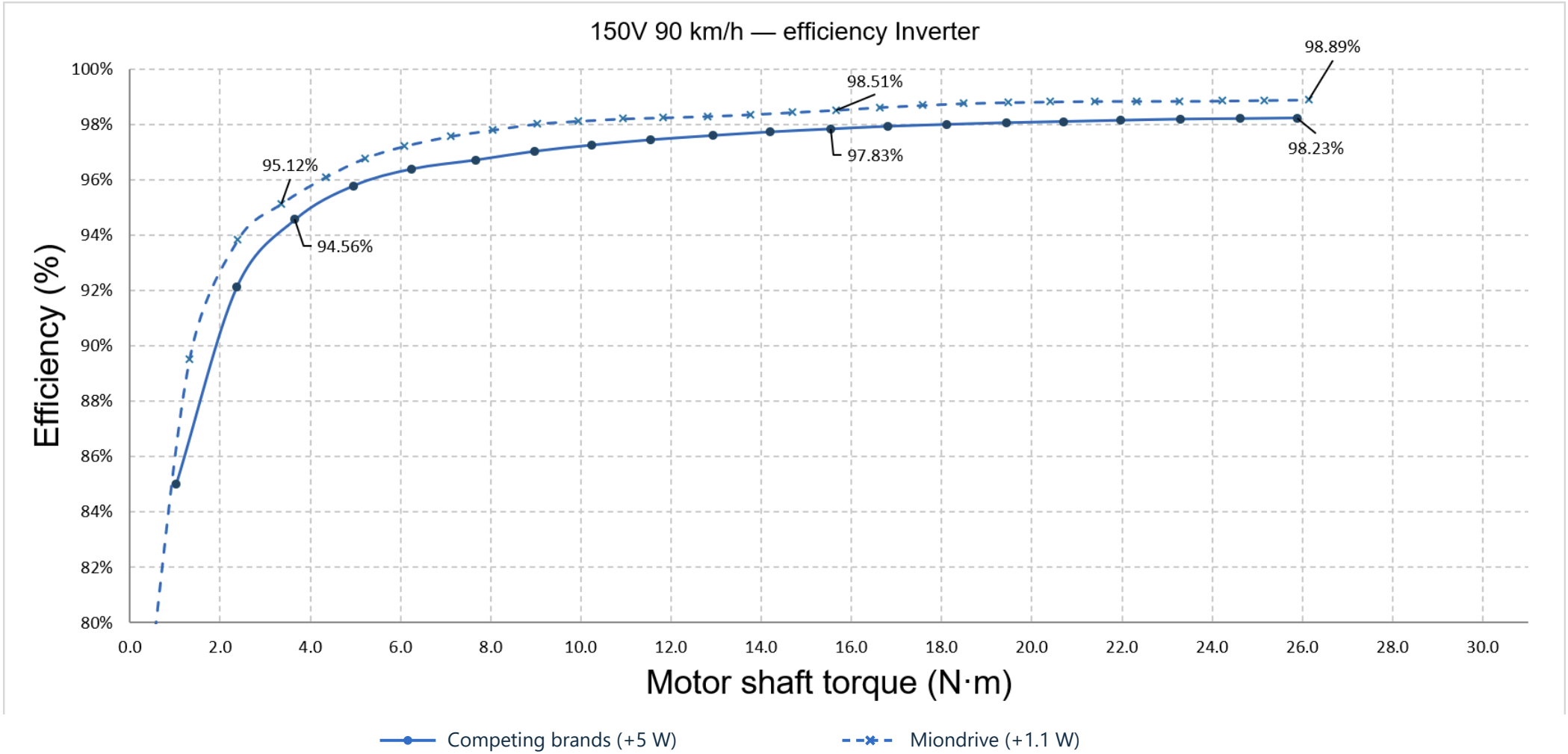
150V 60 km/h — efficiency Inverter



Added to total system power consumption: Miondrive +1.1 W; competing brands +5 W.

150 V / 90 km/h

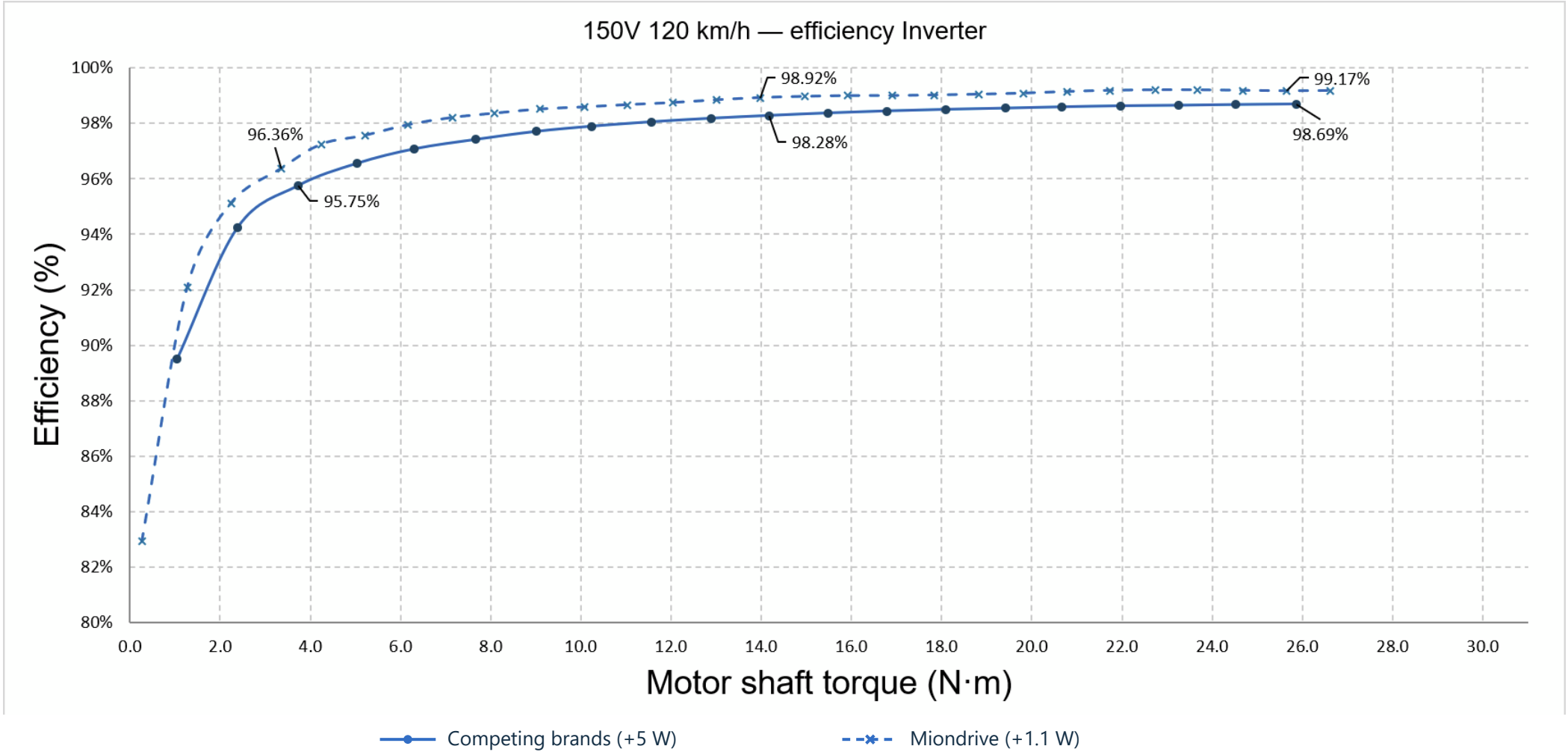
Miondrive and Competing brands | Efficiency versus motor shaft torque



Added to total system power consumption: Miondrive +1.1 W; competing brands +5 W.

150 V / 120 km/h

Miondrive and Competing brands | Efficiency versus motor shaft torque



Added to total system power consumption: Miondrive +1.1 W; competing brands +5 W.