

Auxiliary Loads: 2014 Mazda 3 i-ELOOP Steady State Load Measurement

Number of Vehicles: 4
 Location of on-road operation: Arizona
 Description of use: Courier Fleet



Description / Specifications

Engine Displacement 2.5L
 Engine Fuel Type gas direct inj.
 Alternator system description variable output with 25 V capacitor

Average Baseline Auxiliary Load (watts)

Engine Off / Key On (All Loads turned off) 116.4 watts
 Engine Running at Idle (All Loads turned off) 229.5 watts

Individual Auxiliary Loads: Average Power (watts)

Low Beams and Fog Lights	194.6 watts
High Beams	157.3 watts
Brake Lights	18.1 watts
Reverse Lights	64.2 watts
Hazards	57.8 watts
Dome Lights	24.3 watts
Radio (high volume)	27.9 watts
Window (Driver)	29.8 watts
Side Mirror (Driver)	12.0 watts
Cabin Fan (Speed 2)	24.9 watts
Cabin Fan (Speed 4)	50.0 watts
Cabin Fan (Highest Speed)	222.8 watts
A/C Fan (Speed 2)	211.5 watts
A/C Fan (Speed 4)	275.6 watts
A/C Fan (Highest Speed)	408.7 watts
Wipers with Washer	71.4 watts
Wipers (High Speed)	67.5 watts
Seat Heaters (both)	119.7 watts
Rear Defroster	213.0 watts
Front Defroster (Highest Speed)	394.6 watts
Electric Power Steering	180.2 watts

Summary of Add-On Auxiliary Load (watts)

Isaac Data Acquisition System 2.1 watts

