

# GEMINI 500

Dual Wheel Drive



Floor Care



Medical Mobility



Mobile Robots & AGVs



## FEATURES

**Single-piece casting:** Improved gear alignment; quiet operation

**Reduction ratios:** From 13:1 to 21:1

**Fully enclosed axle:** Mounting width flexibility

**Optional components:** Electromagnetic power-off brake, encoder, connectors, brake cover, IP67 conformity

**Encoder options available:** Digital position and motion information

**Widths:** 14.0 in (356 mm) minimum; custom widths available

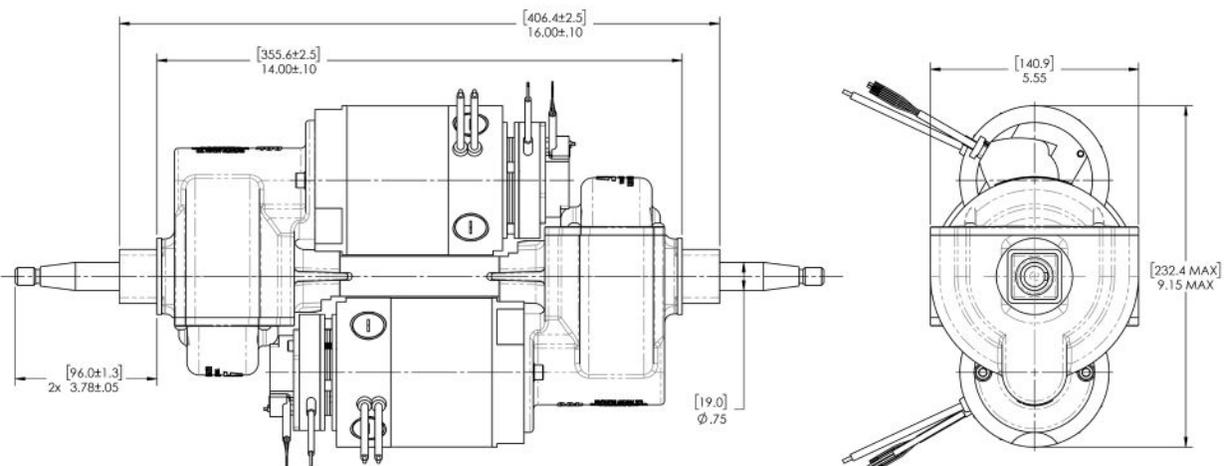
**Motors:** Permanent magnet DC 4-pole, 3.98 in (101 mm) diameter, brushless DC option available

**Voltage:** 24V to 36V DC

**Axle configurations:** Custom; Each axle independently driven by a separate motor

## PERFORMANCE EXAMPLES

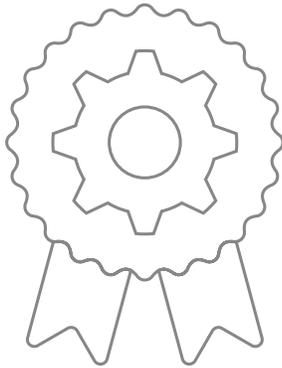
High Torque (4 inch - 21:1 @ 24V) Combined Performance				High Speed (4 inch - 16:1 @ 24V) Combined Performance			
	No Load	Typical	High		No Load	Typical	High
<b>Torque, Nm</b>	0.0	40.0	66.2	<b>Torque, Nm</b>	0.0	31.0	41.4
<b>RPM</b>	120	102	90	<b>RPM</b>	153	130	122
<b>Current, Amps</b>	4.0	24.8	38.6	<b>Current, Amps</b>	4.0	24.8	31.6
<b>Power Out, Watts</b>	0	422	622	<b>Power Out, Watts</b>	0	422	530
<b>Power In, Watts</b>	96	594	926	<b>Power In, Watts</b>	96	594	760
<b>Efficiency</b>	0%	71%	67%	<b>Efficiency</b>	0%	71%	70%





Lasting solutions to drive your machines. More than industrial designers and engineers, we're a team of passionate problem solvers. ASI Drives: Gear drive systems for battery powered machines up to one ton.

# OUR CLIENTS HAVE BEEN WITH US FOR **OVER 14 YEARS BECAUSE OF OUR:**



## **DEEP EXPERTISE:**

Creating over 740 tailored engineered solutions

Offering cost sensitive designs with manufacturing efficiencies

A history of innovation recognized with 7 awarded patents

In-house gear manufacturing offers supply chain predictability



## **OUR 38-YEAR COMMITMENT:**

Excellent customer service

"Best in class" partnership with OEM industry leaders

Our entrepreneurial size ensures personal executive level accountability and responsiveness



## **DEEP INDUSTRY KNOWLEDGE & FOCUS:**

Insights and solutions to your specific challenges & opportunities

We know your competitive landscape

**EXPERIENCE THE DIFFERENCE OUR DEDICATION TO INNOVATION, QUALITY AND SERVICE MAKES.**

Contact us at [sales@asidrives.com](mailto:sales@asidrives.com) to explore how we can quickly solve your most pressing challenges.

