

THUNDER 1500HD

Heavy Duty Two-Stage IPM Motor Wheel Drive



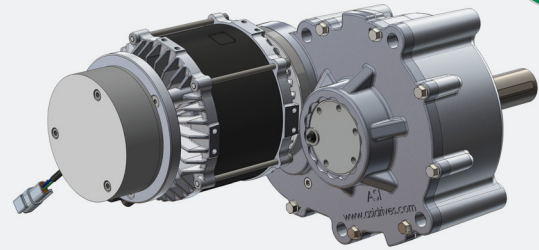
Mobile Robots
& AGVs



Material
Handling



Outdoor Power
Equipment



FEATURES

Sealed drive system: Rugged, usable outdoors

Optional components: Electromagnetic power-off brake

Motor: Interior permanent magnet, 5.5 in [140 mm] diameter, brushless
48 volt with internal encoder and thermal sensor, connectors,
IP69K conformity

Axle material: Hardened carbon steel

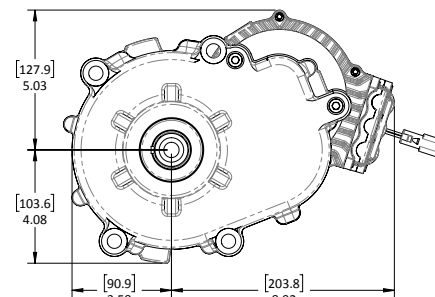
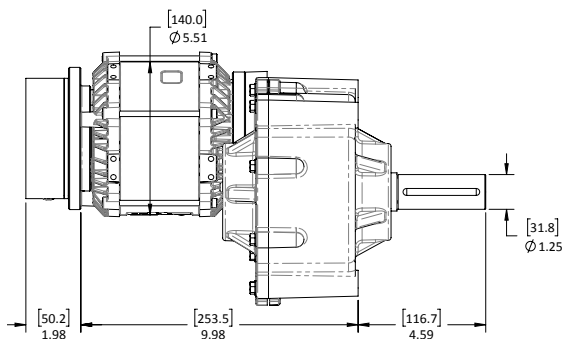
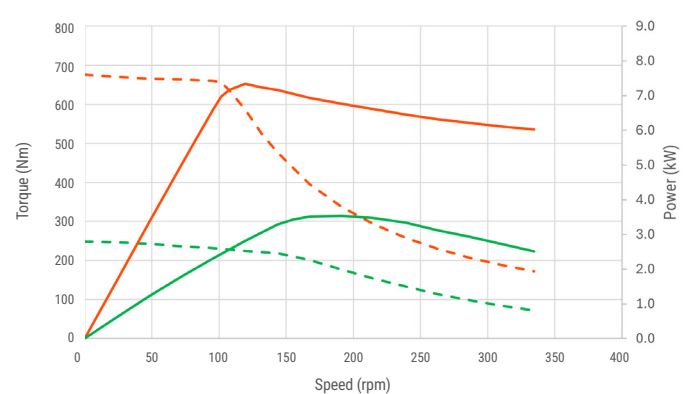
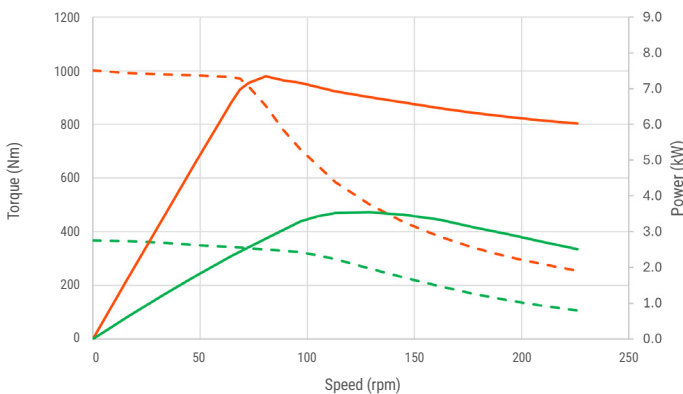
Gear set: Two-stage helical

Reduction ratio: 20.9:1 or 31:1

PERFORMANCE EXAMPLES

High Torque				
Duty Type	S2-2min	S2-10min	S2-30min	S2-60min
Torque, Nm	883	589	368	282
Power, kW	2.98	5.97	4.97	3.34
Speed, rpm	32	97	129	113
Efficiency, %	58	81	86	88
Phase Current, Amps	200	140	100	65
Stator Frequency, Hz	83	250	333	292

High Speed				
Duty Type	S2-2min	S2-10min	S2-30min	S2-60min
Torque, Nm	596	397	248	191
Power, kW	2.98	5.97	4.97	3.34
Speed, rpm	48	143	191	167
Efficiency, %	58	81	86	88
Phase Current, Amps	200	140	100	65
Stator Frequency, Hz	83	250	333	292

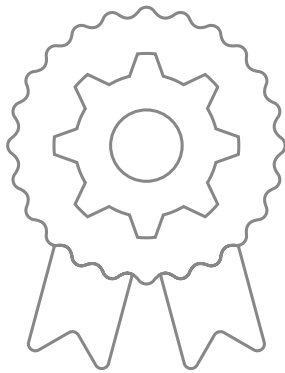




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