

# Class 4 & Class 5 Comparison Chart

SmartMotor™ Features	Class 4	Class 5*
Combitronic Communication		<input checked="" type="checkbox"/>
Trapezoidal Commutation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sinusoidal Commutation		<input checked="" type="checkbox"/>
IP 65 or higher rating		<input checked="" type="checkbox"/>
DC solution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24V I/O Available		<input checked="" type="checkbox"/>
Flash Upgradable Firmware		<input checked="" type="checkbox"/>
User Definable Interrupts		<input checked="" type="checkbox"/>
Independent Timers		<input checked="" type="checkbox"/>
Advanced Diagnostics		<input checked="" type="checkbox"/>
Stand-alone Coordinated Motion		<input checked="" type="checkbox"/>
Phase Adjust Mode		<input checked="" type="checkbox"/>
Modulo Count Mode		<input checked="" type="checkbox"/>
Expanded Electric Gearing (acc/decel)		<input checked="" type="checkbox"/>
Profibus	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DeviceNet	<input checked="" type="checkbox"/> **	<input checked="" type="checkbox"/>
CANopen	<input checked="" type="checkbox"/> **	<input checked="" type="checkbox"/>
Ethernet - TCP/IP	<input checked="" type="checkbox"/> **	<input checked="" type="checkbox"/>
10 additional 24V DC I/O points (optional)		<input checked="" type="checkbox"/>
Floating Point Variables & Trigonometric Functions		<input checked="" type="checkbox"/>
62.5 microsecond PID Update Rate		<input checked="" type="checkbox"/>

\* These are the current features for Class 5. More features may be added in the future.

\*\* Class 4 fieldbus options use a gateway and the gateway speed is 19.2 kbaud.