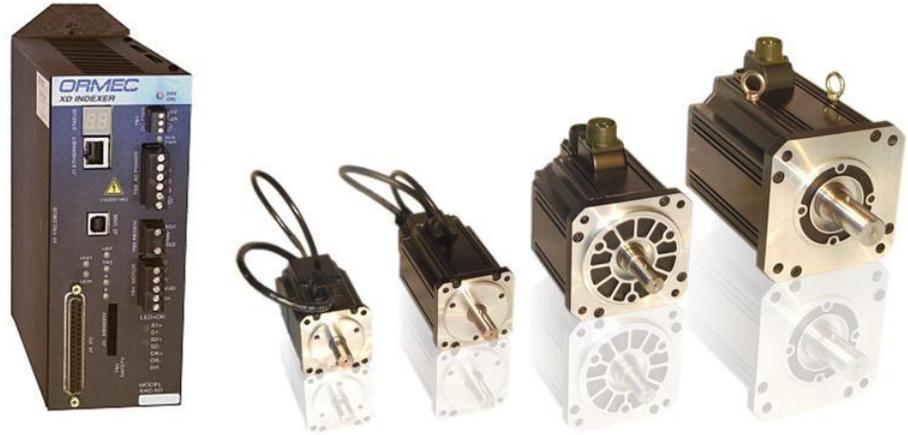


ORMEC's XD-Indexer integrates with the cost-effective M-series AC brushless servo motors. The motors provide high torque-to-inertia ratios and **excellent** continuous torque and peak torque performance in a compact design. These industrial quality servo motors incorporate high performance neodymium magnets and a highly efficient stator winding design which results in excellent power density.

The M-series servo motors' compact design with high power density feature extremely durable construction with heavy duty bearings.



*The XD-Indexer integrates with the cost-effective M-Series of motors.*

**Motor Features**

- 230 or 460 VAC versions
- UL certified and CE marked
- Continuous stall torques from 1.4 to 845 in-lb (0.16 to 95.5 N-m)
- Peak torques up to three times the rated torque
- Output power from 50 to 16,000 watts ( 0.07 to 21.5 HP)
- High maximum speeds from 3,000 to 5,000 RPM
- Standard incremental encoder resolution 12,000 counts
- Class F insulation over Class B temperature rise provides additional thermal headroom for longer winding life under rated operating conditions
- Minimum torque ripple & cogging for smooth low-speed performance
- Totally Enclosed Non-Ventilated (TENV) standard IP-65 except shaft opening, optional shaft oil seal is available.
- Optional fail-safe holding brakes

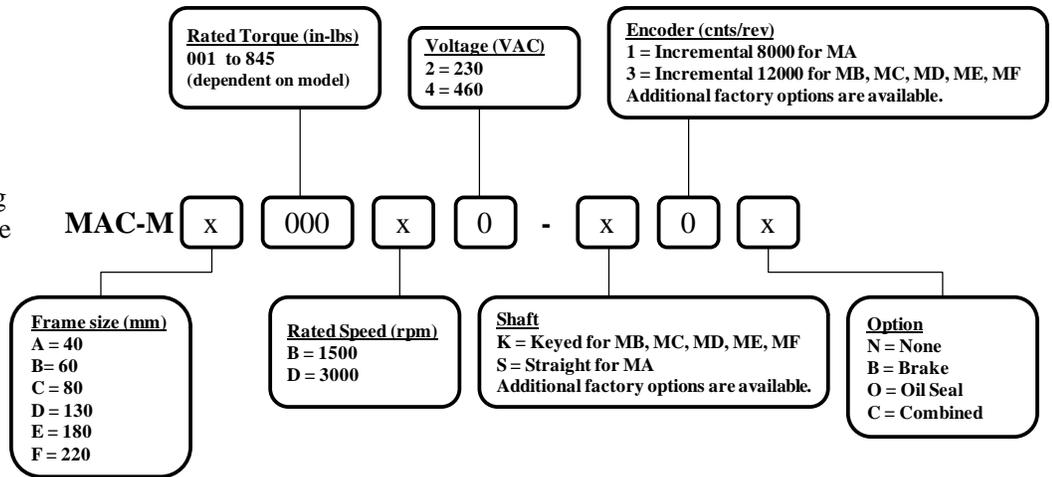
**Performance**

The performance of these servo motors is a direct function of the factory-matched servo motor/drive combination.

ORMEC's XD-Indexer provides software controlled all-digital performance for consistent operation that totally eliminates analog potentiometer adjustments. High bandwidth operation and a quality high resolution encoder

provide the accuracy and response required for demanding applications. Peak torques, up to three times the rated torque, are available for a few seconds, allowing the motor/drive to handle high inertial loads and heavy duty cycle requirements. The motor parameters are configured in software for high performance and RMS current limiting.

**M-Series Model Numbers**



# XD-Indexer – Motor Selection Charts

ORMEC's all-digital drive technology provides the ability to control a range of servo motors with the XD-Indexer Servo Drive. The chart (below) provides the recommended Indexer/M-Series motor combination.

The recommended Indexer (★) provides sufficient power to provide the continuous torque specified for the corresponding servo motor.

XD-Indexer SAC -XD Servo Motor	230VAC							Motor Cable	Encoder Cable
	203	205	210	215	225	235	260		
MAC-MA001D2	★							CBL-MM1*	CBL-ME1*
MAC-MB003D2	★								
MAC-MB006D2	★								
MAC-MB011D2	★								
MAC-MC016D2		★						CBL-MM2	CBL-ME2
MAC-MC022D2		★							
MAC-MC028D2			★						
MAC-MD025B2		★						CBL-MM2	
MAC-MD025D2		★							
MAC-MD028D2			★						
MAC-MD050B2			★						
MAC-MD050D2			★					CBL-MM2	
MAC-MD070B2			★						
MAC-MD070D2				★				CBL-MM2	
MAC-MD095B2				★					
MAC-MD095D2					★				
MAC-ME100B2				★				CBL-MM3	
MAC-ME160B2					★			CBL-MM4	
MAC-ME250B2						★			
MAC-ME335B2							★		
MAC-ME420B2							★	CBL-MM5	
MAC-MF475B2							★		
MAC-MF620B2							★		

XD-Indexer SAC -XD Servo Motor	460 VAC							Motor Cable	Encoder Cable
	403	405	410	417	425	435	450		
MAC-MD025B4	★							CBL-MM6	CBL-ME2
MAC-MD025D4	★								
MAC-MD050B4		★							
MAC-MD050D4		★							
MAC-MD070B4		★						CBL-MM6	
MAC-MD070D4			★						
MAC-MD095B4			★						
MAC-MD095D4			★					CBL-MM6	
MAC-ME100B4			★						
MAC-ME160B4				★				CBL-MM7	
MAC-ME250B4				★				CBL-MM3	
MAC-ME335B4					★				
MAC-ME420B4					★			CBL-MM3	
MAC-MF475B4						★			
MAC-MF620B4						★			
MAC-MF845B4							★	CBL-MM5	

\* Optional connector is available.

Note: Flexible cable options are available. Consult ORMEC sales support at (585) 385-3520 or email sales@ormec.com