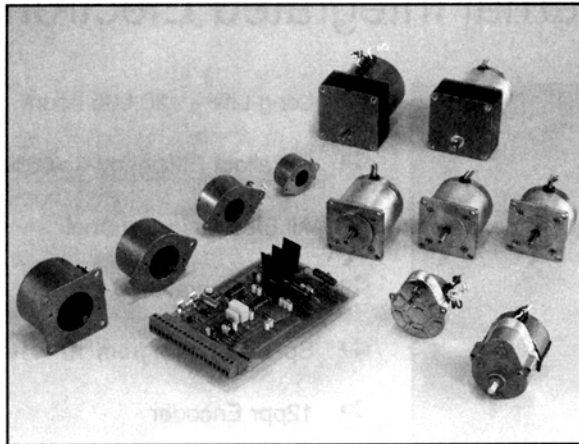


SUB-FRACTIONAL MOTORS

21




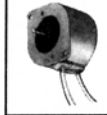
Stepping Motors and Gear Motors






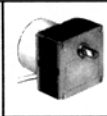
- ↔ High Torque
- ↔ Permanent Magnet
- ↔ 7.5° and 15° Bi Polar and Uni-Polar
- ↔ Oil Impregnated Bearings
- ↔ Wide Range of Gear Ratios and Shafts
- ↔ Typical Applications Include Pumps, Strip Chart Recorders, Imaging Equipment, Medical and Office Equipment

MOTORS

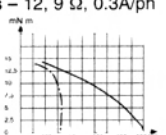
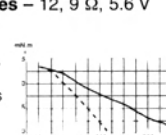
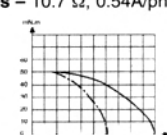
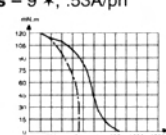
Direct Drive Motors

<p>82910</p> <ul style="list-style-type: none"> • 7.5° • Bi Polar • Uni Polar • 5 Watt • 1.4" Diameter • Holding Torque 2ph 3.5 ozin 4 ph 2.8 ozin • Voltages 5-12-24 	 <p>82950</p> <ul style="list-style-type: none"> • 15° • Bi Polar • Uni Polar • 5 Watt • 1.4" Diameter • Holding Torque 2ph 2.8 ozin 4 ph 2.1 ozin • Voltages 5-12-24 	 <p>82920</p> <ul style="list-style-type: none"> • 7.5° • Bi Polar • Uni Polar • 7.5 Watt • 2.0" Diameter • Holding Torque 2ph 9.9 ozin 4 ph 8.1 ozin • Voltages 5-12-24 	 <p>82930</p> <ul style="list-style-type: none"> • 7.5° • Bi Polar • Uni Polar • 10 Watt • 2.25" Diameter • Holding Torque 2 ph 25.5 ozin 4 ph 21.5 ozin • Voltages 5-12-24 	
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GEARED MOTORS

<p>82914</p> <ul style="list-style-type: none"> • Bi Polar • Uni Polar <ul style="list-style-type: none"> • 300 ozin Static Torque • 75 ozin Dynamic Torque • Various Gear Ratio and Shaft Options 	 <p>82924</p> <ul style="list-style-type: none"> • Bi Polar • Uni Polar <ul style="list-style-type: none"> • 300 ozin Static Torque • 75 ozin Dynamic Torque • Various Gear Ratio and Shaft Options 	 <p>82929</p> <ul style="list-style-type: none"> • Bi Polar • Uni Polar <ul style="list-style-type: none"> • 70 lbin Static Torque • 300 ozin Dynamic Torque • Various Gear Ratio and Shaft Options 	 <p>82937</p> <ul style="list-style-type: none"> • Bi Polar • Uni Polar <ul style="list-style-type: none"> • 180 lbin Static Torque • 45 lbin Dynamic Torque • Various Gear Ratios Available 	
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PERFORMANCE CURVES $mNM \times .1416 = \text{ozin}$

<p>82910 2 phases - 12, 9 Ω, 0.3A/ph</p> <p>Constant current with Ericsson PBL 3717</p> 	<p>82950 2 phases - 12, 9 Ω, 5.6 V</p> <p>Constant voltage with SGS L297 298 chips inertia 9.53 gcm²</p> 	<p>82920 2 phases - 10.7 Ω, 0.54A/ph</p> <p>Constant current with Ericsson PBL 3717</p> 	<p>82930 2 phases - 9 Ω, .53A/ph</p> <p>Constant current with Ericsson PBL 3717</p> 
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