



ROTARY ELECTRICAL

COILS





Winding Electrical Motors ?

For all your requirements of winding electric motors,
we can supply you the coils.

Rotary Electrical is able to provide a large range of coils.

Our range of coils include:

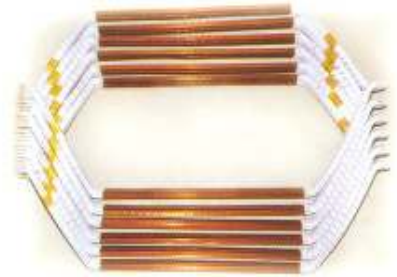
Low Voltage

DC Traction
DC Armature Wave
DC Armature Lap

High Voltage

- Diamond
- Hairpin
- Concentric

Rotor & Stator Bars



ReDesign & Upgrade

If the motor to be rewound requires any redesigning
or upgrading to a more efficient level using the latest
technology, we would be happy to assist you through
our R & D Design office.



ROTARY ELECTRICAL

**The Only Contact You Will Need
For Coils !**

FACILITIES

- Machine taping
- Manufacturers of high & low voltage AC & DC coils
- Automatic coil shaping machines
- Hot pressing of coil legs or bars
- Clean house production environment
- Full test facilities

COIL TYPES

- Voltage range 415 upwards
- Form wound stator coils
- Random wound stator coils
- Traction and industrial
 - Armature coils
 - Equaliser coils
 - Field coils
 - Interpole coils
- Wound motor coils and bars
- Rotating field coils
- Brake and clutch coils
- Magnet coils
- Blow-out coils

INSULATION SYSTEMS

- Vacuum Pressure Impregnation (VPI)
- Resin rich
- Pre-consolidated
- Sealed systems
- Unpressed
- Special applications

TESTING

- AC & Potential testing
- TVA Probe testing
- Tan Delta testing
- Inter turn testing
- Coil supplied with quality certification

SERVICES

- Re-design/upgrade
- Technical support
- Coil data and drawing
- Winding kits (on request)

Slot Build Calculation

Procedure	WIDTH	DEPT
Slot Size	15	59
Less slot Tolerance	0.254	
Slot Liner If required(2 thick on width)		0
Less Tolerance for slot skew		
Finished pressed cell size		
Bare Copper size	14.746	
Conductor Insulation Thickness		
One Insulated Conductor		
No of insulated conductors i-		
Consolidated "		
No of insulated co-		

Customer XYZ Ltd

Coil Voltage 11,000

Coil No	VL	Capacitance Pico Farad	Value	Tan Delta	1/2(6VL-2VL)	Interturn Test	Lamination Test	Press
8 (B.E.R.)	0.2	1817	0.009	0.00150	0.00055	4.7kV	240Volts	1.4
	0.4	1819	0.0101			4.7kV	240Volts	
	0.6	1823	0.0115			4.7kV	240Volts	
	0.8	1827	0.013	0.00120	0.00055	4.7kV	240Volts	
	1.00	1817	0.0094			4.7kV	240Volts	
	0.2	1818	0.0098			4.7kV	240Volts	
	0.4	1820	0.0107			4.7kV	240Volts	
	0.6	1823	0.0118			4.7kV	240Volts	
	0.8	1827	0.013	0.00160	0.00040	4.7kV	240Volts	
	1.00	1827	0.0076			4.7kV	240Volts	
	0.2	1827	0.0076			4.7kV	240Volts	
	0.4	1828	0.0084			4.7kV	240Volts	
	0.6	1832	0.0099			4.7kV	240Volts	
	0.8	1836	0.0115	0.00180	0.00055	4.7kV	240Volts	
	1.00	1846	0.0087			4.7kV	240Volts	
	0.2	1846	0.0087			4.7kV	240Volts	
	0.4	1848	0.01			4.7kV	240Volts	
	0.6	1852	0.0115			4.7kV	240Volts	
	0.8	1857	0.009	0.00180	0.00075	4.7kV	240Volts	
	1.00	1806	0.0091			4.7kV	240Volts	
0.2	1806	0.0105			4.7kV	240Volts		
0.4	1806	0.0123			4.7kV	240Volts		
0.6	1806	0.0138			4.7kV	240Volts		
0.8	1806	0.0094	0.00150	0.00050	4.7kV	240Volts		
1.00	1806	0.0096			4.7kV	240Volts		



ROTARY ELECTRICAL

Engineering Innovation