



**Emerson Industrial Automation**  
**Electric Power Generation Private Limited**  
 (Formerly Trident Powercraft Pvt Ltd)



**TECHNICAL DATA SHEET OF LEROY-SOMER DC MOTOR**

<b>CUSTOMER : LS RUSSIA</b>		
	<b>Ref: TECHDATA EIAEPG - DC-13123-01 R</b>	DATE: 02.02.2013
	<b>TYPE : SOLID YOKE NON SPLIT TYPE</b>	QTY: 1no.
<b>SNO</b>	<b>PARAMETER</b>	<b>SPECIFICATION</b>
1	FRAME SIZE	<b>TMDC 810</b>
2	KW RATING	52
3	BASE SPEED (RPM)	550
4	SPEED VARIATION BY ARM VOLTAGE	1:10 up to Base speed
5	SPEED VARIATION BY FIELD WEAKENING	550 to 1650
6	TORQUE AT BASE SPEED (Nm)	903
7	MAX MECH SAFE SPEED (RPM)	2200
8	ARMATURE VOLTAGE(VOLTS)	230
9	ARMATURE CURRENT(AMPS)APPROX	249
10	EXCITATION TYPE	Shunt seperately excited
11	EXCITATION VOLTAGE (VOLTS)	230
12	EXCITATION POWER (WATTS) APPROX	1300 watts
13	DEGREE OF PROTECTION AS PER IEC 60034-5	IP55
14	METHOD OF COOLING AS PER IEC60034-6	IC 86 W 6
15	DUTY AS PER IEC 60034-1	S1
16	TYPE OF MOUNTING AS PER IEC 60034-7	IM1004 (Horizl Foot mtd with double shaft extrn tapered) Taper can be 1: 9.6 or 1:10 as per customer reqmt.
17	T BOX POSITION FROM VIEWED FROM DE	RHS ( Customer to confirm)
18	INSULATION CLASS	H
19	ALTITUDE ABOVE MEAN SEA LEVEL (MTRS)	1000
20	AMBIENT (DEG C)	40
21	TEMPERATURE RISE (DEG C)	110 degc by resistance method
22	OVER LOADS	As per AISE std 1
23	VIBRATION LEVEL	Grade A as per IEC 60034-14/IS 12075
24	NOISE LEVEL	As per IEC 60034-9/IS 12065
25	ACCESSORIES	Brush wear detector,P150 Thermisters in stator ,space heaters, spare brushes one set.
26	TOTAL WEIGHT(KG) APPROX	1100kg
27	MOMENT OF INERTIA(KGSQM) APPROX	Moment of Inertia:2.6 ; GD sq:10.4
28	EFFICIENCY (%)	Armature ckt effy: 90.8%
29	COOLING UNIT DATA	525CFM air to minimum to be supplied through duct.
30	TACHO GEN & ENCODER	will be provided suitable HUBNER Tacho+Encoder .
31	TYPE OF POWER SUPPLY TO MOTOR	3ph 6 pulseThyrister supply
32	TYPE OF TORQUE TRANSMISSION	Direct/Gear
33	APPLICATION	Customer to confirm

34	APPLICABLE STANDARD	IEC 60034/IS4722/AISE STD 1
35	DIMENSION DRG	DC Mill duty Leaflet tentatively *
36	ARM CKT RESISTANCE AT 25 DEGC(Ohms)	To furnish later after order
37	ARM CKT INDUCTANCE(mH)	To furnish later after order
38	SHUNT FIELD RESISTANCE AT25DEGC(Ohms)	To furnish later after order
39	SHUNT FIELD INDUCTANCE (H)	To furnish later after order
40	SPECIALITIES / REMARKS IF ANY.	
		TPDC/DSG/FR/006 R 1