

# Model LM90T100: 1 HP 90VDC Electrical Specifications

Information shown is for current motor's design

## Engineering Data

RPM 1750	HP 1	Serv. Factor 1.0
KW	Form Factor 1.38	Amps 10
KW2	Form Factor 2	FLA2
Volts 90	Frame 56C	

Max Amb 40	Duty CONT	TYPE DF
Insul Class F	Enclosure TEFC	Bearing OPE 6203
Protection NOT	Protector	Bearing PE 6203
EFF 83.7%	Torque 36 LB-IN	
UL Yes	CSA Yes	CE No
Motor Wt. 47 LB	Nameplate 081259	Lubrication POLYREX EM
Carton Label Leeson Gen Purpose		

Assembly	Mounting C-Face Rigid	Rotation RECONN
Winding D5621	Ext. Diag.	Ext. Diag2
GROUP 1 A	Shaft Dia. 5/8 IN	Packaging PG659401.04Z
Sub Group A	Paint 305000.01	
Test Card 01	Outline 031879	Cust Part No

## Performance

Torque UOM 441 LB-IN	Inertia (WK <sup>2</sup> ) 14.4 LB-IN <sup>2</sup>
Torque 0	36 72
CURRENT (amps) .6	10 19.3
Efficiency (%) 0	.837 .787
PowerFactor	

## Load Curve Data

Output Pwr (HP)	RPM	AMP	Torque (LB-IN)	Eff	Watts	Watts Loss	Volts
0	1920	.6	0	0	0	56	90
1	1764	10	36	.837	751	146	90
1.8	1607	19.3	72	.787	1369	370	90