

# Model LM90T050: 1/2 HP 90VDC Electrical Specifications

Information shown is for current motor's design

## Engineering Data

RPM 1750	HP 1/2	Serv. Factor 1.0
KW	Form Factor 1.38	Amps 5
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 81.4%	Torque 18 LB-IN	
UL Yes	CSA Yes	CE No
Motor Wt. 25 LB	Nameplate 081259	Lubrication POLYREX EM
Carton Label Leeson Gen Purpose		

Assembly	Mounting C-Face Rigid	Rotation RECONN
Winding D4721	Ext. Diag.	Ext. Diag2
GROUP 1 A	Shaft Dia. 5/8 IN	Packaging PG659201.04A
Sub Group A	Paint 305000.01	
Test Card 03	Outline 027620	Cust Part No

## Performance

Torque UOM 190 LB-IN	Inertia (WK <sup>2</sup> ) 7.8 LB-IN <sup>2</sup>
Torque 0	18 36
CURRENT (amps) .38	4.8 9.2
Efficiency (%) 0	.814 .763
PowerFactor	

## Load Curve Data

Output Pwr (HP)	RPM	AMP	Torque (LB-IN)	Eff	Watts	Watts Loss	Volts
0	1835	.38	0	0	0	34	90
.47	1658	4.8	18	.814	353	80	90
.85	1489	9.2	36	.763	634	197	90