

Model LM180T050: 1/2 HP 180VDC 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 2.5
KW2	Form Factor 2	FLA2
Volts 180	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 18.0 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 CCWLE
Winding D4726	Ext. Diag.	Ext. Diag2
GROUP 1 A	Shaft Dia. 5/8 IN	Packaging PG659201.04A
Sub Group A	Paint 305000.01	
Test Card 01	Outline 027620	Cust Part No

Performance

Torque UOM 197 LB-IN	Inertia (WK ²) 7.8 LB-IN ²
Torque 0	18 36
CURRENT (amps) .23	2.49 4.89
Efficiency (%) 0	.837 .768
PowerFactor	

Load Curve Data

Output Pwr (HP)	RPM	AMP	Torque (LB-IN)	Eff	Watts	Watts Loss	Volts
0	1937	.23	0	0	0	42	180
.5	1761	2.49	18	.837	375	73	180
.91	1586	4.89	36	.768	676	204	180