

Model LM180T100: 1 HP 180VDC 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 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 85%	Torque 36 LB-IN	
UL Yes	CSA Yes	CE No
Motor Wt. 40.5 LB	Nameplate 081259	Lubrication POLYREX EM
Carton Label Leeson Gen Purpose		

Assembly	Mounting C-Face Rigid	Rotation RECONN
Winding D5626	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 505 LB-IN	Inertia (WK ²) 14.4 LB-IN ²
Torque 0	18 36
CURRENT (amps) .4	2.5 4.7
Efficiency (%) 0	.817 .85
PowerFactor	

Load Curve Data

Output Pwr (HP)	RPM	AMP	Torque (LB-IN)	Eff	Watts	Watts Loss	Volts
0	1813	.4	0	0	0	67	180
.5	1748	2.5	18	.817	373	83	180
1	1683	4.7	36	.85	716	127	180