

Product Features

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|--|----------------------------|
| Catalog #: 121065.00 | Model: C145T17FC38E |
| Product type: AC MOTOR | Stock: Stock |
| Description: ..2HP..1745RPM.145.TEFC.208-230/460V.3PH.60HZ.CONT.40C.1.25SF.ROUND.C145T17FC38E.....WATTS-AVER.AUTOMATIC..... | |

Information shown is for current motor's design

Engineering Data

| | | |
|--------------------------------|-----------------------------|---------------------------------|
| Volts 208-230 | Volts 460 | Volts 190/380 |
| F.L. Amps 6-5.8 | F.L. Amps 2.9 | F.L. Amps 6.8/3.4 |
| S. F Amps 7.3-7 | S. F Amps 3.5 | S. F Amps 8/4 |
| RPM 1800 | Hertz 60/50 | |
| HP 2 | Duty CONTINUOUS | TYPE TF |
| KW 1.49 | | |
| Frame 145 C | Serv. Factor 1.25 | Phase 3 |
| Max Amb 40 | Design B | Code L |
| Insul Class F | Protection AUTOMATIC | Therm.Prot. 9700K46 |
| Eff 100% 86.5 | Eff 75% | PF 75.6 |
| UL Y-(LEESON UL REC) | CSA Yes | Bearing OPE 6203 |
| CC Number EXEMPT | CE No | Bearing PE 6205 |
| Load Type | Inverter Type | Speed Range NONE |
| Motor Wt. 46 LB | Enclosure TEFC | Lubrication POLYREX EM |
| Nameplate 993500 | Mounting ROUND | Rotation REV |
| Assembly | Shaft Dia. 7/8 IN | Ext. Diag. 005010.20 |
| Cust Part No | Outline 028777-800 | Ext. Diag2 |
| Packaging B | Outline Dash No | Winding T634340 |
| Carton Label INDIVIDUAL | | GROUP: 3 |
| Iris | Paint 305056.01 | Test Card 01 |
| Form Factor | RMS Amps | Const Torque Speed Range |
| Torque | Peak | |
| AB Code | Peak@DegC | |
| Resistance | | |
| Connection | | |
| Rework Status | Rework TYPE | |
| Explosion Proof | Temp Op Code | Brake Motors |
| Class | GROUP: | FORCE |
| Class | GROUP: | VDC |
| | | ADC |
| | | Brake Coil OHMs @25 C |

Performance

| | | | |
|------------------------------------|--|----------------|---------------------|
| Torque UOM LB-FT | Inertia (WK²) .16 LB-FT ² | | |
| Torque 6(Full Load) | 28.8(Break Down) | 24.6(Pull Up) | 24.6(Locked Rotor) |
| CURRENT (amps) 2(Full Load) | 19.17(Break Down) | 25.37(Pull Up) | 26.58(Locked Rotor) |
| Efficiency (%) 0(Full Load) | 85.7(75% Load) | 83.5(50% Load) | 74.5(25% Load) |
| PowerFactor 72.1(Full Load) | 64(75% Load) | 51.9(50% Load) | 33.4(25% Load) |

Load Curve Data @60/50 Hz, 460 Volts, 2 Horsepower

| Load | Amps | KW | RPM | Torque | Eff | PF | Rise By Resis | Frame Rise |
|-------------|-------------|-----------|------------|---------------|------------|-----------|----------------------|-------------------|
| 0.0 | 1.7 | 0.096 | 1798 | 0.0 | 0.0 | 7.0 | 0.0 | - |
| 0.25 | 1.92 | 0.511 | 1787 | 1.5 | 74.5 | 33.4 | 0.0 | - |
| 0.5 | 2.19 | 0.906 | 1774 | 3.0 | 83.5 | 51.9 | 0.0 | - |
| 0.75 | 2.58 | 1.316 | 1763 | 4.5 | 85.7 | 64.0 | 0.0 | - |
| 1.0 | 3.01 | 1.726 | 1751 | 6.0 | 86.5 | 72.0 | 53.0 | - |
| 1.25 | 3.5 | 2.156 | 1732 | 7.5 | 85.6 | 77.3 | 85.0 | - |
| 1.5 | 4.05 | 2.592 | 1717 | 9.0 | 84.7 | 80.3 | 0.0 | - |

SOURCE CALCULATED GROUP 3