


**ELECTRIC MOTORS, GEARMOTORS AND DRIVES**
**Product Features**
**Catalog No** 122085.00

**Model** C143T34FK17AA

**Product type** AC MOTOR

**Stock** Stock

**Description** ..1.5HP..3600RPM.143JMV.TEFC.230/460V.3PH.60HZ.CONT.40C..RIGID C FACE.....JM PUMP.....

**Information shown is for current motor's design**
[View Outline](#) | [View Connection](#)
**Engineering Data**

Volts <b>230</b>	Volts <b>460</b>	Volts <b>190/380</b>
F.L. Amps <b>4</b>	F.L. Amps <b>2</b>	F.L. Amps <b>3.4/1.7</b>
S. F Amps <b>4.4</b>	S. F Amps <b>2.2</b>	S. F Amps

RPM <b>3600</b>	Hertz <b>60</b>	
HP <b>1 1/2</b>	Duty <b>CONTINUOUS</b>	TYPE <b>TF</b>
KW <b>1.12</b>		
Frame <b>143JMV</b>	Serv. Factor <b>1.15</b>	Phase <b>3</b>
Max Amb <b>40</b>	Design <b>B</b>	Code <b>M</b>
Insul Class <b>F</b>	Protection <b>NOT</b>	Therm.Prot.
Eff 100% <b>84</b>	Eff 75% <b>84.8</b>	PF <b>83.5</b>
UL <b>Y-(LEESON UL REC)</b>	CSA <b>Yes</b>	Bearing OPE <b>6203</b>
CC Number <b>CC005A</b>	CE <b>Yes</b>	Bearing PE <b>6206</b>
Load Type	Inverter Type	Speed Range <b>NONE</b>

RPM <b>3000</b>	Hertz <b>50</b>	
HP <b>1</b>	Duty <b>CONTINUOUS</b>	TYPE <b>TF</b>
KW <b>.75</b>		
Frame <b>143JMV</b>	Serv. Factor <b>1.0</b>	Phase <b>3</b>
Max Amb <b>40</b>	Design <b>B</b>	Code <b>M</b>
Insul Class <b>F</b>	Protection <b>NOT</b>	Therm.Prot.
Eff 100% <b>85.5</b>	Eff 75%	PF <b>79</b>
UL <b>Y-(LEESON UL REC)</b>	CSA <b>Yes</b>	Bearing OPE <b>6203</b>
CC Number <b>CC005A</b>	CE <b>Yes</b>	Bearing PE <b>6206</b>
Load Type	Inverter Type	Speed Range <b>NONE</b>

Motor Wt. <b>41 LB</b>	Enclosure <b>TEFC</b>	Lubrication <b>VERIFY</b>
Nameplate <b>92357-1</b>	Mounting <b>RIGID</b>	Rotation <b>REV</b>
Assembly	Shaft Dia.	Ext. Diag. <b>A-EE7308-LE</b>
Cust Part No	Outline <b>A-100133LE-806</b>	Ext. Diag2
Packaging <b>F</b>		Winding <b>ZT2141</b>
Carton Label		GROUP: <b>1</b>
Iris	Paint <b>BLUE (POWDER)</b>	Test Card

Form Factor	RMS Amps	Const Torque Speed Range
Torque	Peak	
AB Code	Peak@DegC	

Resistance

Connection

Rework Status

Rework TYPE

Hazardous Loc **NONE**

Brake Motors

Explosion Proof

Temp Op Code

**FORCE**

Class

**GROUP:**

**VDC**

Class

**GROUP:**

**ADC**

Brake Coil OHMs @25 C

**Performance**

Torque UOM

Inertia (WK<sup>2</sup>)

Torque

**CURRENT (amps)**

Efficiency (%)

PowerFactor

**Speed Torque Curve @ 60 Hz, 460 Volts**

Curve Point	Amps	Amps(%)	Torque	Torque(%)	RPM	KW	PF	HP
LR	19.4	970.0	7.3	332.0	0.0	-	58.0	1.5
BD	12.1	605.0	9.6	435.0	2815	-	88.0	1.5
PU	18.6	930.0	6.1	277.0	650	-	-	1.5
FL	2.0	100.0	2.2	100.0	3515	-	83.5	1.5
NL	0.9	45.0	0.0	0.0	3600	-	17.0	1.5

**SOURCE: CALCULATED GROUP: 0**

**Speed Torque Curve @ 50 Hz, 380 Volts**

Curve Point	Amps	Amps(%)	Torque	Torque(%)	RPM	KW	PF	HP
LR	17.6	0.0	7.1	0.0	0.0	0.0	65.0	1.5
BD	11.0	0.0	8.8	0.0	2270	0.0	85.0	1.5

**SOURCE: DATABASE GROUP: 0**

**Load Curve Data @60/50 Hz, 460 Volts, 1 1/2 Horsepower**

Load	Amps	KW	RPM	Torque	EFF	PF	Rise By Resis	Frame Rise
0.0	0.9	0.126	3600	0.0	0.0	17.0	0.0	-
0.25	1.0	0.381	3575	0.6	73.4	47.5	0.0	-
0.5	1.3	0.68	3555	1.1	82.3	67.2	0.0	-
0.75	1.6	0.99	3535	1.7	84.8	77.8	0.0	-
1.0	2.0	1.3	3515	2.2	84.0	83.5	38.0	20.0
1.15	2.2	1.53	3500	2.6	84.0	85.1	50.0	24.0
1.25	2.4	1.65	3485	2.8	84.0	86.8	60.0	-
1.3	2.5	1.72	3480	2.92	83.8	87.0	0.0	-
1.5	2.9	2.0	3470	3.4	83.0	88.0	0.0	-

**SOURCE: CALCULATED GROUP: 1**