

DATE  
NOV. 8, 2011  
CAT. #: HB1/58

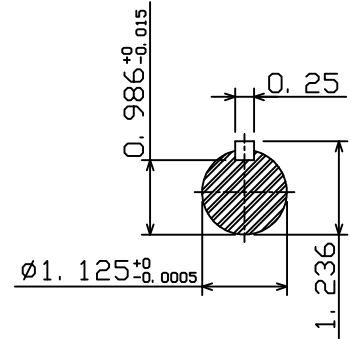
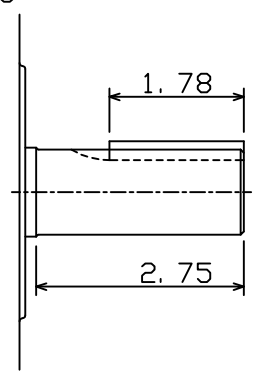
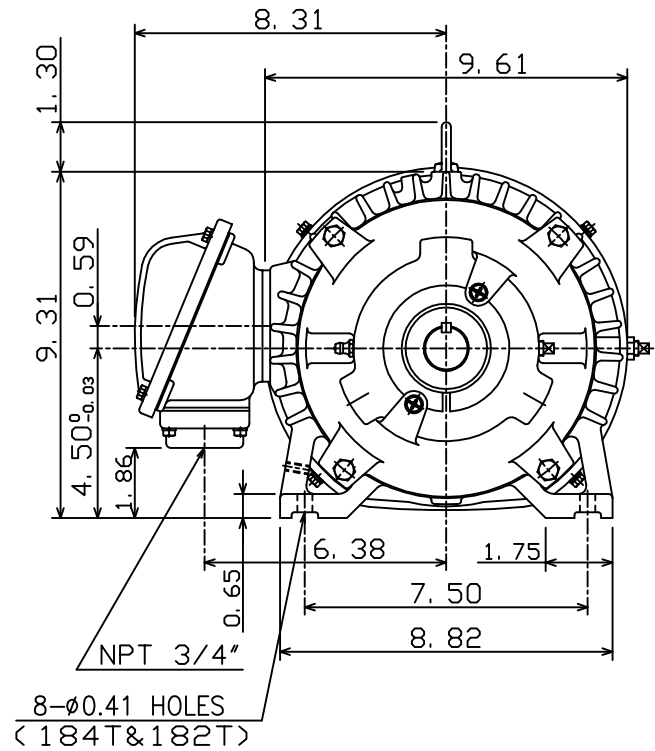
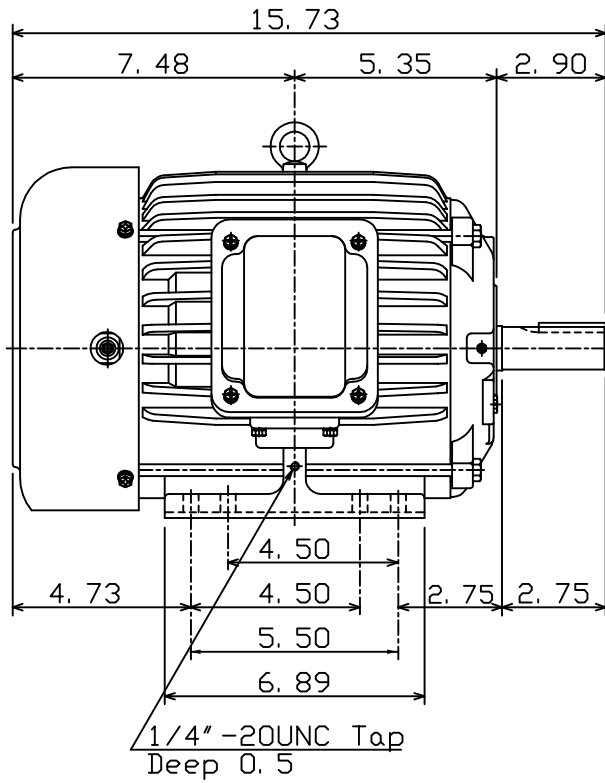
OUTLINE DIMENSIONS  
3-PHASE INDUCTION MOTOR

MOTOR TYPE:  
AEHH8B  
FRAME NO. 184T

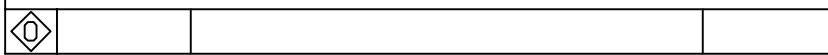
Pole	HP	kW	Hz	VOLT	Syn. Speed r/min(rpm)
8	1.5	1.1	60	460	900

Ins	Rating	Dimension in	Approx Weight	Bearings
F	CONT.	inches	101 lbs	DE: 6306ZC35C NDE: 6306ZC35C

Totally Enclosed Fan-Cooled Type, Squirrel-Cage Rotor.



Note:  
1. Motor Vibration: 7.5μ.  
2. Both End With Inpro/Seal.



DWN.	C. S. LO	12-22-04
CHKD.	C. S. LO	12-27-04
APPD.	M. C. TSAI	12-27-04



DWG NO.  
31049U593010

# TECO Westinghouse

ISSUED <b>11/08/11</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHH8B</b>	<b>3-PHASE INDUCTION MOTOR</b>	CATALOG# <b>HB1/58</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>1.5</b>	<b>1.1</b>	<b>8</b>	<b>184T</b>	<b>460</b>	<b>60</b>	<b>40°C</b>	<b>F</b>	<b>B</b>	<b>CONT.</b>	<b>1.15</b>

### TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			MAXIMUM POWER FACTOR CORRECTION
	FULL LOAD		3/4 LOAD	1/2 LOAD	F. L.	3/4 LOAD	1/2 LOAD	
	MIN. %	NOM. %	%	%	%	%	%	
<b>860</b>	<b>74</b>	<b>77</b>	<b>75.5</b>	<b>70</b>	<b>60.5</b>	<b>51.5</b>	<b>39.5</b>	<b>2 KVAR</b>

### CURRENTS

NO LOAD	FULL LOAD	LOCKED ROTOR	NEMA KVA CODE LETTER
<b>2.48</b>	<b>3.01</b>	<b>20</b>	<b>M</b>

### TORQUE

### INERTIA

### ACCEL TIME

FULL LOAD lb-ft	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR <sup>2</sup> lb-ft <sup>2</sup>	NEMA LOAD WK <sup>2</sup> lb-ft <sup>2</sup>	MAX ALLOWABLE WK <sup>2</sup> lb-ft <sup>2</sup>	NEMA LOAD WK <sup>2</sup> Sec	MAX ALLOWABLE WK <sup>2</sup> Sec
<b>9.158</b>	<b>185</b>	<b>130</b>	<b>250</b>	<b>0.275</b>	<b>45</b>	<b>144</b>	<b>6.79</b>	<b>21.63</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	51
<b>60</b>	<b>42</b>	<b>2</b>	<b>1</b>	

APPROVED:

**M. PRATER**

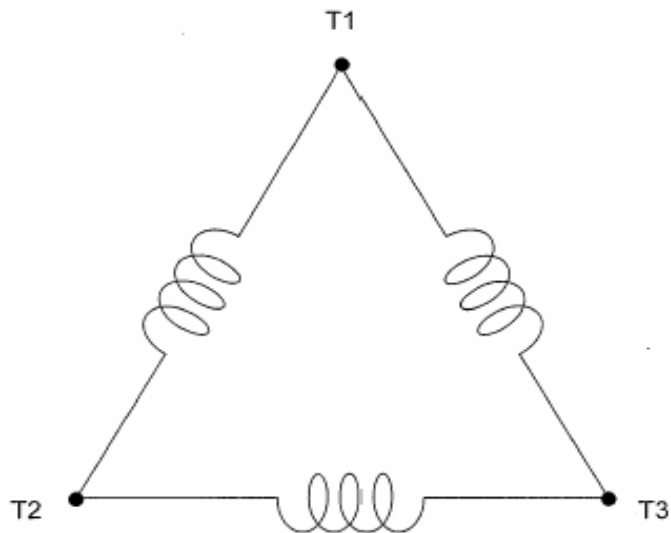
DRAWING NO.

**31057HB1/58**

REVISION **0**

DATE:  
October 18, 2007

## CONNECTION DIAGRAM



**SCHEMATIC - Δ CONNECTION**

## ACROSS THE LINE CONNECTION



**460 VOLT CONNECTION**