

DATE  
APRIL 19, 2004  
CATALOG NO.  
HB0602

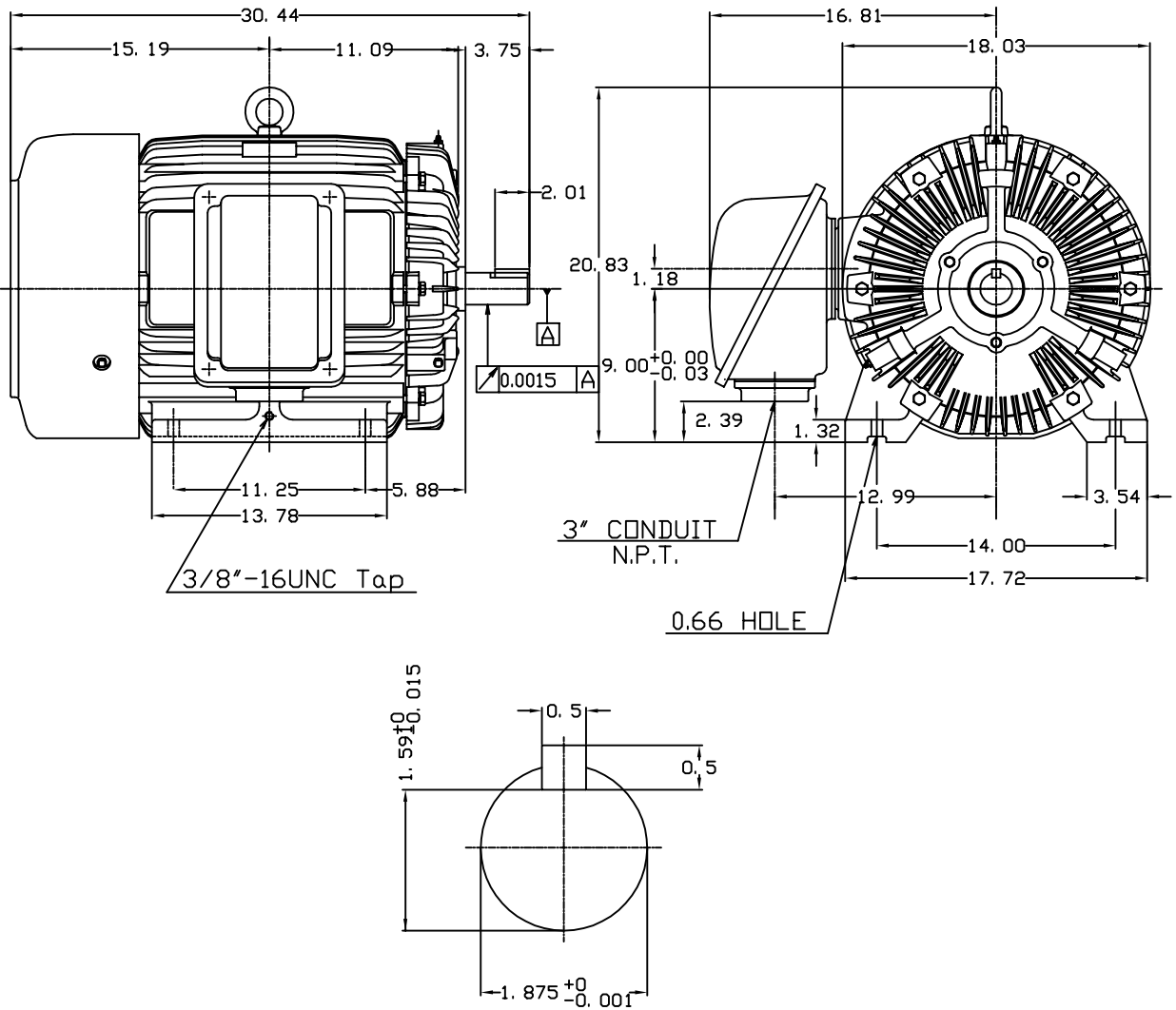
OUTLINE DIMENSIONS  
3-PHASE INDUCTION MOTOR

MOTOR TYPE:  
AEHH8B  
FRAME NO. 364TS

Pole	HP	KW	Hz	VOLT	Syn.Speed RPM
2	60	45	60	460	3600

Ins	Rating	Dimension in	Approx Weight	Bearings
F	CONT.	inches	759 lbs.	DE:6312ZC35CNDE: 6212ZC35C

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



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DWN.	J.H.LIANG	11-30-98
CHKD.	C.H.KAD	12-26-98
APPD.	Y.B.HUANG	12-26-98



DWG NO.  
31049HB631030

# TECO Westinghouse

ISSUED <b>8/28/2014</b>	<b>PERFORMANCE DATA</b> <b>3-PHASE INDUCTION MOTOR</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHH8B</b>		CATALOG# <b>HB0602</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>60</b>	<b>44.8</b>	<b>2</b>	<b>364TS</b>	<b>460</b>	<b>60</b>	<b>50°C</b>	<b>F</b>	<b>B</b>	<b>CONT.</b>	<b>1.15</b>

### VARIABLE FREQUENCY DRIVE SERVICE

VARIABLE TORQUE				OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C)				
HZ	HP	RPM	TORQUE (lb-ft)	R1	R2	X1	X2	X <sub>m</sub>
<b>3~60</b>	<b>0.0075~60</b>	<b>180~3600</b>	<b>0.219~88.74</b>	<b>0.0375</b>	<b>0.0816</b>	<b>0.3423</b>	<b>0.3812</b>	<b>20.921</b>

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
<b>6~60</b>	<b>6~60</b>	<b>360~3600</b>	<b>88.74</b>	<b>60</b>	<b>60</b>	<b>3600</b>	<b>88.74</b>

### TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			SOUND PRESSURE LEVEL @ 3 FT Db(A)
	FULL LOAD		3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	
	MIN.%	NOM.%						
<b>3550</b>	<b>93</b>	<b>94.1</b>	<b>94.5</b>	<b>94.1</b>	<b>93</b>	<b>92</b>	<b>88.5</b>	<b>82</b>

CURRENTS						NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
NO LOAD		FULL LOAD		LOCKED ROTOR			COLD	HOT
AT 460 VOLT		AT 460 VOLT		AT 460 VOLT				
<b>12.5</b>		<b>64.20</b>		<b>435</b>		<b>G</b>	<b>17</b>	<b>12</b>

TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
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	COLD	HOT
<b>88.74</b>	<b>145</b>	<b>130</b>	<b>240</b>	<b>7.379</b>	<b>58</b>	<b>117</b>	<b>4.59</b>	<b>8.73</b>	<b>2</b>	<b>1</b>

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31057HB0602</b>	REVISION:	<b>1</b>
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DATE:  
June 27, 2005

# CONNECTION DIAGRAM

CATALOG NO.:  
**HB0602**



**SCHEMATIC - Δ CONNECTION**

## ACROSS THE LINE CONNECTION



**460 VOLT CONNECTION**