



# TECO Westinghouse

ISSUED <b>11/3/2016</b>	<b>PERFORMANCE DATA</b> <b>3-PHASE INDUCTION MOTOR</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHH8N</b>		CATALOG# <b>EP2008</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>200</b>	<b>149.2</b>	<b>8</b>	<b>5007B</b>	<b>460</b>	<b>60</b>	<b>40°C</b>	<b>F</b>	<b>B</b>	<b>CONT.</b>	<b>1.15</b>

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
<b>6-60</b>	<b>20-200</b>	<b>90-900</b>	<b>1180</b>	<b>60-90</b>	<b>200</b>	<b>900-1350</b>	<b>1180-787</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>890</b>	<b>93.6</b>	<b>94.5</b>	<b>94.0</b>	<b>92.6</b>	<b>81.0</b>	<b>78.0</b>	<b>69.0</b>	<b>70 KVAR</b>

SOUND PRESSURE	CURRENTS			NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
	NO LOAD	FULL LOAD	LOCKED ROTOR		COLD	HOT
	AT	AT	AT			
<b>78</b>	<b>460</b>	<b>460</b>	<b>460</b>	<b>G</b>	<b>20</b>	<b>14</b>
	<b>87.5</b>	<b>304</b>	<b>1450</b>			

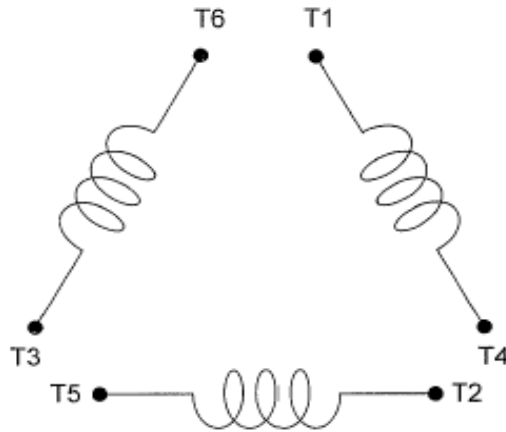
TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR <sup>2</sup> (lb-ft <sup>2</sup> )	NEMA LOAD WK <sup>2</sup>	MAX ALLOWABLE WK <sup>2</sup>	NEMA LOAD WK <sup>2</sup>	MAX ALLOWABLE WK <sup>2</sup>	COLD	HOT
<b>1179</b>	<b>110</b>	<b>110</b>	<b>200</b>	<b>205</b>	<b>4508</b>	<b>9016</b>	<b>7.53</b>	<b>10.96</b>	<b>2</b>	<b>1</b>

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>3A057EP2008</b>	REVISION:	<b>0</b>
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DATE:  
December 2, 2005

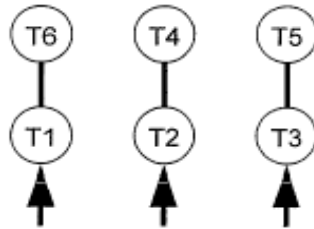
# CONNECTION DIAGRAM

CATALOG NO.:  
EP2008



**SCHEMATIC -  $\Delta$  / Y CONNECTION**

## ACROSS THE LINE CONNECTION



**460 VOLT CONNECTION**

## WYE START-DELTA RUN CONNECTION



**LINE  
460 VOLT START**



**LINE  
460 VOLT RUN**