

# TECO Westinghouse

ISSUED <b>June 18, 2007</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHA</b>	<b>3-PHASE INDUCTION MOTOR</b>	CATALOG# <b>K3002</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>300</b>	<b>224</b>	<b>2</b>	<b>5009A</b>	<b>2300/4160</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>3575</b>	<b>92.4</b>	<b>93.6</b>	<b>92.4</b>	<b>89.5</b>	<b>90.2</b>	<b>87.5</b>	<b>84</b>	<b>58 KVAR</b>

### CURRENTS

NO LOAD		FULL LOAD		LOCKED ROTOR		NEMA KVA CODE LETTER
AT	AT	AT	AT	AT	AT	
2300 VOLT	4160 VOLT	2300 VOLT	4160 VOLT	2300 VOLT	4160 VOLT	
<b>17.30</b>	<b>9.56</b>	<b>66.60</b>	<b>36.80</b>	<b>440.00</b>	<b>245.00</b>	<b>G</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>440.56</b>	<b>110</b>	<b>90</b>	<b>250</b>	<b>63</b>	<b>246</b>	<b>369</b>	<b>4.57</b>	<b>6.38</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	95
<b>20</b>	<b>15</b>	<b>2</b>	<b>1</b>	

APPROVED:

**M. PRATER**

DRAWING NO.

**31057K3002**

REV. **1**