

# TECO Westinghouse

ISSUED <b>April 5, 2006</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHH8N</b>	<b>3-PHASE INDUCTION MOTOR</b>	CATALOG# <b>EP0106-50</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>10</b>	<b>7.5</b>	<b>6</b>	<b>256T</b>	<b>190/380</b>	<b>50</b>	<b>40°C</b>	<b>F</b>	<b>C</b>	<b>CONT.</b>	<b>1.0</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>960</b>	<b>88.5</b>	<b>90.2</b>	<b>91.7</b>	<b>91.7</b>	<b>85</b>	<b>82</b>	<b>74</b>	<b>4.07 KVAR</b>

### CURRENTS

NO LOAD		FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER
AT		AT	AT	AT	AT	AT		
109 VOLT		380 VOLT	190 VOLT	380 VOLT	190 VOLT	380 VOLT		
<b>10.22</b>		<b>5.11</b>	<b>29.60</b>		<b>14.80</b>	<b>214.00</b>	<b>107.00</b>	<b>H</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>54.69</b>	<b>175</b>	<b>155</b>	<b>220</b>	<b>2.872</b>	<b>211.734</b>	<b>476.7142857</b>	<b>6.61</b>	<b>14.77</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD		HOT		60
<b>26</b>	<b>18</b>	<b>2</b>	<b>1</b>	

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31057EP0106-50</b>	REVISION	<b>0</b>
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