

# 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>EP0504-50</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>50</b>	<b>37.3</b>	<b>4</b>	<b>326T</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>1470</b>	<b>92.4</b>	<b>93.6</b>	<b>94.5</b>	<b>95</b>	<b>86.5</b>	<b>87.5</b>	<b>85.5</b>	<b>9.96 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>25.00</b>		<b>12.50</b>	<b>140.00</b>		<b>70.00</b>	<b>964.00</b>	<b>482.00</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>178.6</b>	<b>135</b>	<b>120</b>	<b>184</b>	<b>10.123</b>	<b>361.245</b>	<b>522.8571429</b>	<b>6.46</b>	<b>9.27</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD		HOT	
<b>17</b>	<b>12</b>	<b>2</b>	<b>1</b>
<b>76</b>			

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31057EP0504-50</b>	REVISION	<b>0</b>
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