

# TECO Westinghouse

ISSUED <b>October 27, 2008</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHH8NCF</b>	<b>3-PHASE INDUCTION MOTOR</b>	CATALOG# <b>EP7/56C-50</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>7.5</b>	<b>5.6</b>	<b>6</b>	<b>254TC</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>87.5</b>	<b>89.5</b>	<b>90.2</b>	<b>91.0</b>	<b>85.0</b>	<b>81.5</b>	<b>73.5</b>	<b>3 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>7.86</b>		<b>3.93</b>	<b>22.40</b>		<b>11.20</b>	<b>168.00</b>		<b>84.00</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>41.02</b>	<b>170</b>	<b>155</b>	<b>210</b>	<b>2.158</b>	<b>161.342</b>	<b>446.1428571</b>	<b>6.97</b>	<b>19.10</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	
<b>36</b>	<b>25</b>	<b>2</b>	<b>1</b>	<b>59</b>

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31057EP7/56C-50</b>	REVISION <b>0</b>
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