

# TECO Westinghouse

ISSUED <b>October 23, 2017</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHH8N</b>	<b>3-PHASE INDUCTION MOTOR</b>	CATALOG# <b>EP0058</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>5</b>	<b>3.7</b>	<b>8</b>	<b>254T</b>	<b>460</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>870</b>	<b>85.5</b>	<b>87.5</b>	<b>87.5</b>	<b>85.5</b>	<b>72</b>	<b>64</b>	<b>51</b>	<b>7 KVAR</b>

### CURRENTS

NO LOAD		FULL LOAD		LOCKED ROTOR		NEMA KVA CODE LETTER
NO LOAD		FULL LOAD		LOCKED ROTOR		
AT 230	AT 460	AT 230	AT 460	AT 230	AT 460	
<b>9.20</b>	<b>4.6</b>	<b>15.00</b>	<b>7.43</b>	<b>92.00</b>	<b>46</b>	<b>J</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>30.18</b>	<b>190</b>	<b>180</b>	<b>250</b>	<b>1.66</b>	<b>142</b>	<b>353</b>	<b>6.56</b>	<b>16.19</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD		HOT		54
47	33	2	1	

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31057EP0058</b>	REVISION <b>0</b>
-----------	------------------	-------------	--------------------	-------------------