

# TECO Westinghouse

ISSUED <b>11/12/18</b>	<b>PERFORMANCE DATA</b> <b>3-PHASE INDUCTION MOTOR</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHAGD</b>		CATALOG# <b>KD5004</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>500</b>	<b>373</b>	<b>4</b>	<b>5011</b>	<b>2300/4000</b>	<b>60</b>	<b>40°C</b>	<b>F</b>	<b>C</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>1783</b>	<b>95</b>	<b>95.8</b>	<b>95.2</b>	<b>94.4</b>	<b>82.9</b>	<b>78.9</b>	<b>69.4</b>	<b>152 KVAR</b>

### CURRENTS

NO LOAD		FULL LOAD		LOCKED ROTOR		NEMA KVA CODE LETTER
AT	AT	AT	AT	AT	AT	
2300 VOLT	4000 VOLT	2300 VOLT	4000 VOLT	2300 VOLT	4000 VOLT	
<b>38.1</b>	<b>21.9</b>	<b>119.0</b>	<b>68.4</b>	<b>892.0</b>	<b>512.9</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>1473</b>	<b>200</b>	<b>210</b>	<b>250</b>	<b>220</b>	<b>1919</b>	<b>2820</b>	<b>4</b>	<b>6</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

COLD	HOT	COLD	HOT
<b>9</b>	<b>6</b>	<b>2</b>	<b>1</b>

APPROVED:	<b>K. Lo</b>	DRAWING NO.	<b>3A057KD5004</b>	REV	<b>0A</b>
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