

# TECO Westinghouse

ISSUED <b>July 13, 2020</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHCED</b>	<b>3-PHASE INDUCTION MOTOR</b>	CATALOG# <b>VSKTP4508</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>450</b>	<b>336</b>	<b>8</b>	<b>5810VP</b>	<b>2300/4000</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>890</b>	<b>94.1</b>	<b>95.0</b>	<b>94.9</b>	<b>94.3</b>	<b>77.0</b>	<b>70.0</b>	<b>57.3</b>	<b>195 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>49.0</b>	<b>28.2</b>	<b>116.1</b>	<b>66.7</b>	<b>713</b>	<b>410</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>2650</b>	<b>90</b>	<b>80</b>	<b>210</b>	<b>488</b>	<b>9456</b>	<b>18912</b>	<b>7.15</b>	<b>13.95</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
<b>31</b>	<b>28</b>	<b>2</b>	<b>1</b>	<b>81</b>

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31059VSKTP4508</b>	REV. <b>0</b>
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