

# TECO Westinghouse

ISSUED <b>11/15/06</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AECA</b>	<b>3-PHASE INDUCTION MOTOR 2 SPEED 1 WINDING, VARIABLE TORQUE</b>	CATALOG# <b>CP2504/8</b>

### NAMEPLATE INFORMATION

OUTPUT HP	POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
<b>250 / 62.5</b>	<b>4/8</b>	<b>449T</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			KVA CODE LETTER
	FULL LOAD		3/4 LOAD	1/2 LOAD	F. L.	3/4 LOAD	1/2 LOAD	
	MIN. %	NOM. %	%	%	%	%	%	
<b>1778 / 884</b>	<b>93.1 / 89.1</b>	<b>94.0 / 90.0</b>	<b>92.5 / 88.0</b>	<b>90.5 / 84.0</b>	<b>90.5 / 62.0</b>	<b>87.5 / 55.0</b>	<b>75.0 / 42.0</b>	<b>G / H</b>

CURRENTS		
NO LOAD	FULL LOAD	LOCKED ROTOR
AT 460 VOLT	AT 460 VOLT	AT 460 VOLT
<b>77.8 / 61.0</b>	<b>275 / 105</b>	<b>1947 / 530</b>

TORQUE				INERTIA		
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>
<b>738 / 371</b>	<b>120 / 120</b>	<b>108 / 108</b>	<b>220 / 220</b>	<b>135</b>	<b>1017 / 1530</b>	<b>1526 / 3060</b>

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
<b>24 / 35</b>	<b>18 / 25</b>	<b>2</b>	<b>1</b>	

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31057CP2504/8</b>	REVISION <b>0</b>
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