

TECO Westinghouse

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

NAMEPLATE INFORMATION

OUTPUT HP	POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
250 / 62.5	4/8	449T	460	60	40°C	F	B	CONT.	1.15

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. %	%	%	%	%	%	
1778 / 884	93.1 / 89.1	94.0 / 90.0	92.5 / 88.0	90.5 / 84.0	90.5 / 62.0	87.5 / 55.0	75.0 / 42.0	G / H

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

TORQUE				INERTIA		
FULL LOAD lb-ft	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR ² lb-ft ²	NEMA LOAD WK ² lb-ft ²	MAX ALLOWABLE WK ² lb-ft ²
738 / 371	120 / 120	108 / 108	220 / 220	135	1017 / 1530	1526 / 3060

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

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