



ISSUED 11/15/06	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR 2 SPEED 1 WINDING, VARIABLE TORQUE	ENCLOSURE TEFC
TYPE AECA		CATALOG# CP3004/8

NAMEPLATE INFORMATION

OUTPUT HP	POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
300 / 75	4/8	5009.0	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 / 885	93.6 / 91.1	94.5 / 92.0	93.0 / 90.0	91.0 / 84.0	91.0 / 72.0	90.0 / 67.0	84.0 / 56.0	G / H

CURRENTS		
NO LOAD	FULL LOAD	LOCKED ROTOR
AT 460 VOLT	AT 460 VOLT	AT 460 VOLT
76.6 / 47.4	327 / 106	2337 / 636

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
886 / 445	100 / 100	110 / 110	230 / 220	197	1197 / 1814	1796 / 3628

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	
				85

APPROVED:	M. PRATER	DRAWING NO.	31057CP3004/8	REVISION 0
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