



ISSUED 11/15/06	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR 2 SPEED 1 WINDING, VARIABLE TORQUE	ENCLOSURE TEFC
TYPE AECA		CATALOG# CP1004/8

NAMEPLATE INFORMATION

OUTPUT HP	POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
100 / 25	4/8	444T	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. %	%	%	%	%	%	
1770 / 880	91.6 / 87.1	92.5 / 88.0	91.8 / 86.5	89.0 / 82.0	90.0 / 62.0	87.0 / 55.0	74.0 / 42.0	G / H

CURRENTS		
NO LOAD	FULL LOAD	LOCKED ROTOR
AT 460 VOLT	AT 460 VOLT	AT 460 VOLT
26.4 / 22.1	112 / 42.9	790 / 240

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
297 / 149	120 / 130	108 / 117	220 / 230	42.6	441 / 647	662 / 1294

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
28 / 40	20 / 30	2	1	
				85

APPROVED:	M. PRATER	DRAWING NO.	31057CP1004/8	REVISION 0
-----------	------------------	-------------	----------------------	-------------------