

TECO Westinghouse

ISSUED March 18, 2011	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEUH8NDC		CATALOG# EPV1002C-50

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
100	74.6	2	405TSC	190/380	50	40°C	F	B	CONT.	1.0

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. %						
2950	93.6	94.5	95	95	93	93	91.5	11.87 KVAR

CURRENTS

NO LOAD			FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER
AT 190 VOLT		AT 380 VOLT	AT 190 VOLT		AT 380 VOLT	AT 190 VOLT		AT 380 VOLT	
29.80		14.90	258.00		129.00	1930.00		965.00	

TORQUE

INERTIA

ACCEL TIME

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	NEMA LOAD WK ² Sec	MAX ALLOWABLE WK ² Sec
178	110	100	255	10.773	144.077	302.8571429	4.61	9.33

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	85
17	12	2	1	

APPROVED:

M. PRATER

DRAWING NO.

31057EPV1002C-50

REVISION **0**