

TECO Westinghouse

ISSUED 8/28/2014	PERFORMANCE DATA	ENCLOSURE TEFC
TYPE AEHH8B	3-PHASE INDUCTION MOTOR	CATALOG# HB2008

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
200	149.2	8	449T	460	60	50°C	F	B	CONT.	1.15

VARIABLE FREQUENCY DRIVE SERVICE

VARIABLE TORQUE				OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C)				
HZ	HP	RPM	TORQUE (lb-ft)	R1	R2	X1	X2	X _m
3-60	0.025-200	45-900	2.95-1180	0.0398	0.0261	0.358	0.626	3.035

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6-60	20-200	90-900	1180	60-90	200	900-1350	1180-787

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			SOUND PRESSURE LEVEL @ 3 FT Db(A)
	FULL LOAD		3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	
	MIN.%	NOM.%						
890	90	94.4	94.4	94	82	79	70	70 KVAR

SOUND PRESSURE LEVEL @ 3 FT dB(A)	CURRENTS			NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
	NO LOAD	FULL LOAD	LOCKED ROTOR		COLD	HOT
	AT 460 VOLT	AT 460 VOLT	AT 460 VOLT			
78	87.5	242	1450	G	20	14

TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
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	COLD	HOT
1180	110	88	200	205	4508	9016	7.53	10.96	2	1

APPROVED:	M. PRATER	DRAWING NO.	3A057HB2008	REVISION:	0
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