TECO ⓦ Westinghouse

ISSUED 8/15/2014	PERFORMANCE DATA	ENCLOSURE TEFC
TYPE AEHH8N	3-PHASE INDUCTION MOTOR	CATALOG# EP2004C

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
200	149.2	4	447TC	460	60	40°C	F	B	CONT.	1.15

VARIABLE FREQUENCY DRIVE SERVICE

VARIABLE TORQUE

HZ	HP	RPM	TORQUE (lb-ft)
3~60	0.025~200	90~1800	1.458~588

OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C)

R1	R2	X1	X2	X_m
0.0248	0.0232	0.219	0.442	10.3

CONSTANT TORQUE / CONSTANT HORSEPOWER

HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	20~200	180~1800	588	60~90	200	1800-2700	588~392

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.%						
1786	95.4	96.2	95.8	95	87	83.5	78.5	81

CURRENTS

NO LOAD	FULL LOAD	LOCKED ROTOR	NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
AT 460 VOLT	AT 460 VOLT	AT 460 VOLT		COLD	HOT
46.4	224.00	1450	G	19	13

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
588.00	120	95	210	73.5	831	1662	5.52	10.59	2	1

APPROVED: M. PRATER	DRAWING NO. 31057EP2004C	REVISION: 1