TECO Westinghouse

ISSUED	**PERFORMANCE DATA**	ENCLOSURE
8/29/2014		TEFC
TYPE	**3-PHASE INDUCTION MOTOR**	CATALOG#
AEUH8BDC		HBV0022C

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
2	1.5	2	145TC	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	0.0003~2	180~3600	0.009~3.031	3.6032	4.4722	6.1885	8.3917	260.73

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	.2~2	360~3600	3.031	60~120	2	3600~7200	3.031~1.516

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.%						
3465	84	86.5	86.5	85.5	86	80.5	70	61

CURRENTS						NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
NO LOAD		FULL LOAD		LOCKED ROTOR				
AT 460 VOLT		AT 460 VOLT		AT 460 VOLT			COLD	HOT
1		2.52		25		L	17	12

TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR² (lb-ft²)	NEMA LOAD WK² (lb-ft²)	MAX ALLOWABLE WK² (lb-ft²)	NEMA LOAD WK² Sec	MAX ALLOWABLE WK² Sec	COLD	HOT
3.03	350	315	390	0.064	2.4	6.5	2.79	7.42	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057HBV0022C	REVISION:	1