

FPD Received Date:	MAY 6/28/2022
Disposition	D.E./Date
☒ Approved	GG 7/4/2022
☐ Approved as Noted	
☐ Rejected-Hold Work	
P.M. Review:P.M./Date:	
PLS.Doc.No.	187621HE1044-1045

CUSTOMER:	World Energy
SITE:	Paramount, CA
PUMP TAG:	18-P-354A/B
PUMP SERIAL:	21HE1044-1045

TECO Westinghouse

ISSUED 8/28/2014	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8B		CATALOG# HB0054

NAMEPLATE INFORMATION

OUTPUT HP	POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
5	4	184T	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	0.0006~5	90~1800	0.035~15.04	1.2825	1.5103	4.2242	5.2599	115.57

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	.5~5	180~1800	15.04	60~120	5	1800~3600	15.04~7.520

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.%	%	%	%	%	%	
1745	87.5	89.5	88.5	88.5	85.5	81.5	71.5	54

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			
2.22	6.12	46	J	35	25

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
15.04	185	140	285	0.422	27	88	4.68	15.08	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057HB0054	REVISION:	1
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