

TECO Westinghouse

ISSUED 5/4/2023	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHHSY		CATALOG# EPY3004

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTS	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
300	224	4	449TY	460	60	40°C	F	B	CONT.	1.15

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			MAXIMUM POWER FACTOR CORRECTION
	FULL LOAD		3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	
	MIN%	NOM%						
1785	96.2	95.4	95.8	93.8	90.0	89.0	84.0	79.67 KVAR

CURRENTS			NEMA KVA CODE LETTER
NO LOAD		LOCKED ROTOR	
AT 460 VOLT		AT 460 VOLT	
100		324	

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.
881.5	100	100	230	117	1200	2400.0	5.25	10.03

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
16	12	2	1	81

APPROVED:	M. PRATER	DRAWING NO.	31057EPY3004	REV. 0
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