

TECO Westinghouse

ISSUED 6/13/2019	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHHGD		CATALOG# CDP2504TR

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
250	186.5	4	449TZ	460	60	40°C	F	--	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	0.0313~250	90~1800	1.826~734	0.00576	0.0062	0.059	0.1291	2.365

CONSTANT TORQUE

CONSTANT HORSEPOWER

HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	25~250	180~1800	734	60~90	250	1800~2700	734~489.33

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.%						
1787	95.4	96.2	96	95.5	85	81	71.5	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
100.9			286.3			2050.0			J	20	15

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
734.5	200.0	160.0	275.0	70.8	1020.0	2034.0	3.9	7.5	2	1

APPROVED:	K. Lo	DRAWING NO.	31057CDP2504TR	REVISION:	1
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