

TECO Westinghouse

ISSUED 6/13/2019	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHHGD		CATALOG# CDP1506

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
150	111.9	6	447T	460	60	40°C	F	C	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	0.0188~150	60~1200	1.644~664	0.00854	0.0079	0.0622	0.1392	2.351

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	15~150	120~1200	664	60~90	150	1200~1800	664~442.66

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.%						
1185	95	95.8	95.4	94.5	83.5	81	74	79

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			
62.6	175.6	1085.0	G	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
664.6	200.0	160.0	220.0	103.0	1720.0	4298.0	5.5	13.2	2	1

APPROVED:	K. Lo	DRAWING NO.	31057CDP1506	REVISION:	1
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