

# TECO Westinghouse

ISSUED <b>6/13/2019</b>	<b>PERFORMANCE DATA</b> <b>3-PHASE INDUCTION MOTOR</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEHHGD</b>		CATALOG# <b>CDP3004TR</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>300</b>	<b>223.8</b>	<b>4</b>	<b>449TZ</b>	<b>460</b>	<b>60</b>	<b>40°C</b>	<b>F</b>	<b>--</b>	<b>CONT.</b>	<b>1.15</b>

### 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 <sub>m</sub>
<b>3~60</b>	<b>0.0375~300</b>	<b>90~1800</b>	<b>2.188~880</b>	<b>0.00558</b>	<b>0.0064</b>	<b>0.0591</b>	<b>0.1325</b>	<b>2.616</b>

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
<b>6~60</b>	<b>30~300</b>	<b>180~1800</b>	<b>880</b>	<b>60~90</b>	<b>300</b>	<b>1800~2700</b>	<b>880~586.66</b>

### 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.%						
<b>1788</b>	<b>95.4</b>	<b>96.2</b>	<b>96</b>	<b>95.5</b>	<b>84</b>	<b>80.5</b>	<b>70.5</b>	<b>81</b>

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				
<b>113.0</b>		<b>347.6</b>		<b>2750.0</b>		<b>J</b>	<b>20</b>	<b>15</b>

TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
FULL LOAD (lb-ft)	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR <sup>2</sup> (lb-ft <sup>2</sup> )	NEMA LOAD WK <sup>2</sup> (lb-ft <sup>2</sup> )	MAX ALLOWABLE WK <sup>2</sup> (lb-ft <sup>2</sup> )	NEMA LOAD WK <sup>2</sup> Sec	MAX ALLOWABLE WK <sup>2</sup> Sec	COLD	HOT
<b>881.0</b>	<b>240.0</b>	<b>200.0</b>	<b>275.0</b>	<b>89.0</b>	<b>1200.0</b>	<b>2394.0</b>	<b>3.6</b>	<b>7.0</b>	<b>2</b>	<b>1</b>

APPROVED:	<b>K. Lo</b>	DRAWING NO.	<b>31057CDP3004TR</b>	REVISION:	<b>1</b>
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