



ISSUED 6/13/2019		PERFORMANCE DATA 3-PHASE INDUCTION MOTOR							ENCLOSURE TEFC						
TYPE AEHHGD									CATALOG# CDP2004R						
NAMEPLATE INFORMATION															
OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR					
HP	KW														
200	149.2	4	447TZ	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		0.025~200		90~1800		1.458~588		0.00734	0.0082	0.0714	0.1257	2.894			
CONSTANT TORQUE						CONSTANT HORSEPOWER									
HZ		HP		RPM		TORQUE (lb-ft)		HZ		HP		RPM		TORQUE (lb-ft)	
6~60		20~200		180~1800		588		60~90		200		1800-2700		588~392	
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.%													
1785	94.5	95.4	95.8	95	87	83.5	78.5	81							
CURRENTS													NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
NO LOAD			FULL LOAD			LOCKED ROTOR									
AT 460 VOLT			AT 460 VOLT			AT 460 VOLT									
68.6			225.6			1450.0			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					
588.3	200.0	140.0	210.0	73.5	831.0	1662.0	4.7	9.1	2	1					
APPROVED:		K. Lo		DRAWING NO.		31057CDP2004R			REVISION: 1						