

ISSUED April 24, 2020	PERFORMANCE DATA CRUSHER DUTY MOTOR	ENCLOSURE TEFC
TYPE AFHP		CATALOG# KPF2502

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
250	187	2	5009	2300/4000	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 %	F. L. %	3/4 LOAD %	1/2 LOAD %	
	MIN. %	NOM. %						
3578	94.2	95.0	94.8	94.2	85.0	81.8	73.6	79.7 KVAR

CURRENTS

NO LOAD			FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER
AT 2300 VOLT		AT 4000 VOLT	AT 2300 VOLT		AT 4000 VOLT	AT 2300 VOLT		AT 4000 VOLT	
20.0		11.5	58.0		33.3	395		227	

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
360	80	72	210	40	210	210	5.44	5.44

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	
15.8	12.8	2	1	83

APPROVED:

D. Lu

DRAWING NO.

31057KPF2502

REVISION **0**