

# TECO Westinghouse

ISSUED <b>April 24, 2020</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AFHP</b>	<b>CRUSHER DUTY MOTOR</b>	CATALOG# <b>KPF5002</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>500</b>	<b>373</b>	<b>2</b>	<b>5011</b>	<b>2300/4000</b>	<b>60</b>	<b>40°C</b>	<b>F</b>	<b>B</b>	<b>CONT.</b>	<b>1.15</b>

### 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. %						
<b>3580</b>	<b>94.2</b>	<b>95.0</b>	<b>94.9</b>	<b>94.4</b>	<b>90.5</b>	<b>89.9</b>	<b>86.7</b>	<b>91.2 KVAR</b>

### CURRENTS

NO LOAD			FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER
AT		AT	AT		AT	AT		AT	
2300 VOLT		4000 VOLT	2300 VOLT		4000 VOLT	2300 VOLT		4000 VOLT	
<b>22.9</b>		<b>13.2</b>	<b>108.9</b>		<b>62.6</b>	<b>791</b>		<b>455</b>	<b>G</b>

### TORQUE

### INERTIA

### ACCEL TIME

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
<b>730</b>	<b>85</b>	<b>76</b>	<b>200</b>	<b>88</b>	<b>381</b>	<b>381</b>	<b>5.15</b>	<b>5.15</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	
<b>15.5</b>	<b>12.5</b>	<b>2</b>	<b>1</b>	<b>83</b>

APPROVED:	<b>D. Lu</b>	DRAWING NO.	<b>31057KPF5002</b>	REVISION <b>0</b>
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