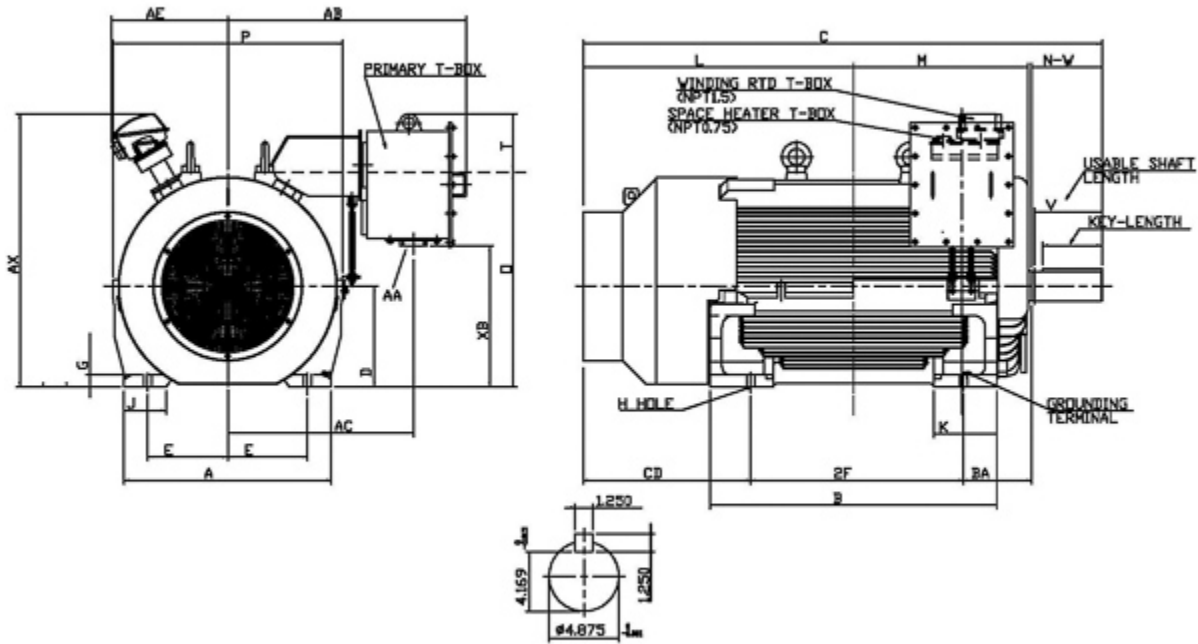


Dimensional Drawing

Catalogue	Model	HP	Pole	kW	Rating	Voltage	Hz	RPM
XPE5008	AEHG_TK	500	8	373	Continuous	2300 / 4000 V	60	900



Frame Size	Mounting					A	B	C	CD	D	
	E	2F	2F2	H	BA						
6808B	13.5	36		1.38	11.5	35	48.45	87.67	28.29	17	
G	J	K	L	M	O	P	T	Key			Keyseat R
								Width	Thick	Length	
2	7.1	10.65	45.67	29.53	36.3	38.8	9.85	1.25	1.25	10	4.169
Terminal Housing				Aux Box		C/D Flange					
AA	AB	AC	XB	AE	AX	BB	AH	AK	BD	AJ	BF
3.5	40.32	31.42	23.81	19.66	46.18						
Shaft Extension			Bearings		Approx. Weight Lbs	SPL dBA/3ft	Ins. Class	S.F.	Drive Method	Dimensions	
N-W	U	V	DE	NDE							
11.88	4.875	11.38	6326	6322	7400	80	F	1.15	Direct Coupling	Inches	

Technical Data Sheet

Motor Type: AEHG_TK	Catalogue No: XPE5008
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Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
500	8	890	6808B	2300 / 4000	60	3
Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.15	Continuous	B	-40 to 40 °C	<3300 ft

Typical Performance

Efficiency (%)				Power Factor (%)		
Full Load		3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load
Nom.	Min.					
95.40	94.50	94.50	93.60	85.00	80.50	72.00
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
2950.00	110	100	230	17.0 / 9.8	115.4 / 66.4	779 / 448
NEMA KVA Code	Inertia (WR ²)			Safe Stall Time (s)		Noise Level Sound Press. dB(A)
	Rotor (lb-ft ²)	NEMA Load (lb-ft ²)	Max. Allowable (lb-ft ²)	Cold	Hot	
G	802.000	10400	20800	25	19	80

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
30-60Hz	3-60Hz	60-120Hz	≤ 5 kHz	VPWM or CPWM	1.0 Only

Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
6326	6322	7400

Hazardous Locations Information

CSA Certified	
Class I, Div 2, Groups B, C & D	
Class I, Zone 2, Groups IIB+H2, IIB & IIA	
Temp Code (Sinewave / VFD)	T2D / N/A