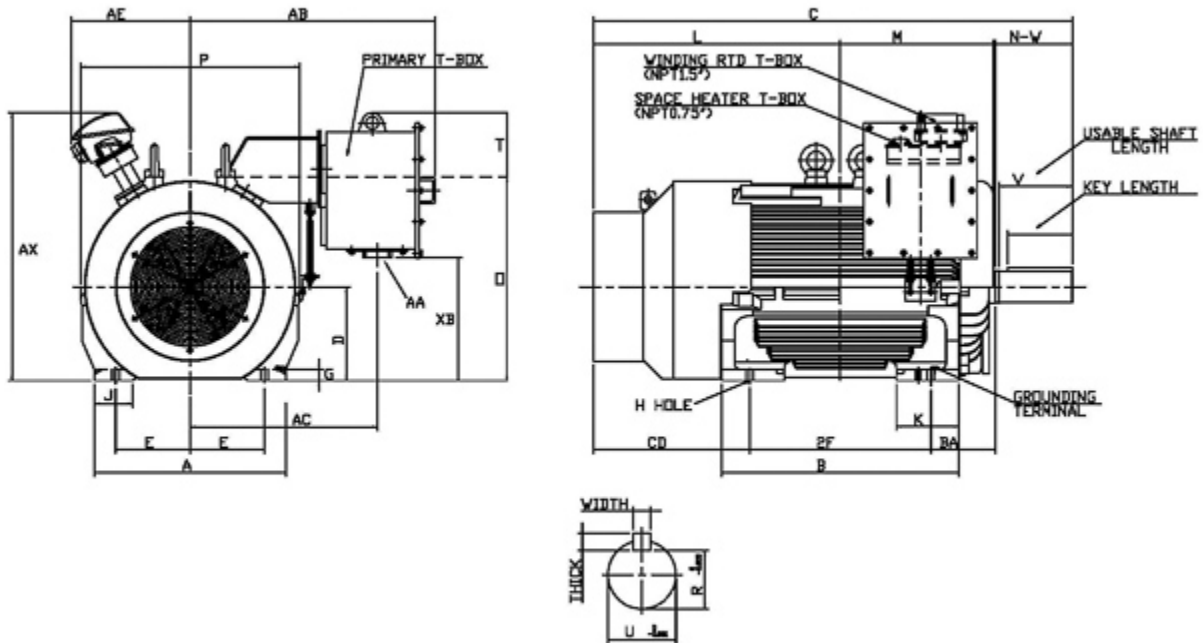


### Dimensional Drawing

Catalogue	Model	HP	Pole	kW	Rating	Voltage	Hz	RPM
PDH70065	AEHE	700	6	522	Continuous	575 V	60	1200



Frame Size	Mounting					A	B	C	CD	D	
	E	2F	2F2	H	BA						
5810B	11.5	36		1.13	10	29.55	44.1	81.81	23.93	14.5	
G	J	K	L	M	O	P	T	Key			Keyseat
1.7	5.9	9.65	41.93	27.2	31.45	33.85	9.45	Width	Thick	Length	R
								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
2x 3 NPT	30.5	24.4	21.1	18.34	41.39						
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	6996	81	F	1.15	Direct Coupling	Inches	

### Technical Data Sheet

Motor Type: AEHE

Catalogue No: PDH70065

#### Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
700	6	1190	5810B	575	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.					
95.8	95.0	95.6	94.5	86.8	85.0	80.0
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
3088.24	90	90	200	118.4	630.6	4400
NEMA KVA Code	Inertia (WR <sup>2</sup> )			Safe Stall Time (s)		Noise Level Sound Press. dB(A)
	Rotor (lb-ft <sup>2</sup> )	NEMA Load (lb-ft <sup>2</sup> )	Max. Allowable (lb-ft <sup>2</sup> )	Cold	Hot	
0	595.000	6903.0	13806.0	23	18	81

#### VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
20-60Hz	3-60Hz	60-60Hz	≤ 5 kHz	VPWM or CPWM	

#### Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
6326	6322	6996

#### Hazardous Locations Information

N/A
N/A
N/A
Temp Code (Sinewave / VFD)   T3 (1.0 SF) / T2B