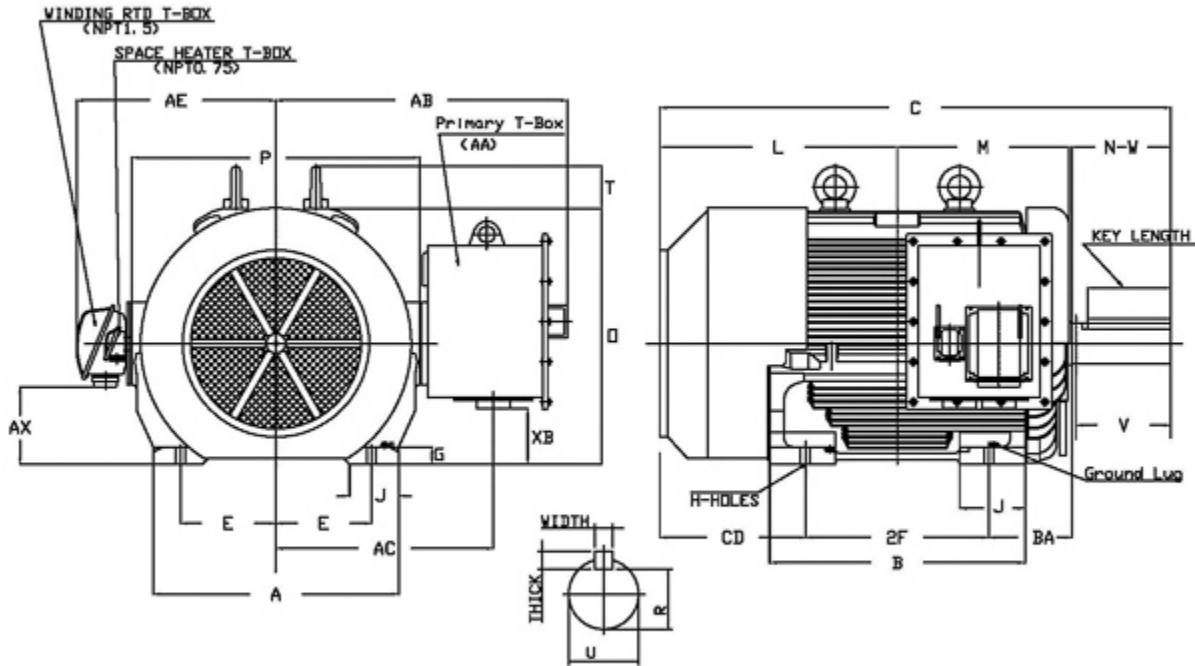


Dimensional Drawing

Catalogue	Model	HP	Pole	kW	Rating	Voltage	Hz	RPM
HT50045R	AEEAGD	500	4	373	Continuous	575 V	60	1800



Frame Size	Mounting					A	B	C	CD	D	
	E	2F	2F2	H	BA						
5808C	11.5	28		1.13	10	29.55	36.6	67.38	17.5	14.5	
G	J	K	L	M	O	P	T	Key			Keyseat R
								Width	Thick	Length	
2.1	5.9	9.65	31.5	23.4	30.7	35.4	5.05	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	29.35	26.14	6.75	24	9.3						
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	NU326	6322	5300	95	F	1.15	Belt Drive	Inches	

Technical Data Sheet

Motor Type: AEEAGD

Catalogue No: HT50045R

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
500	4	1785	5808C	575	60	3
Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.15	Continuous	C	-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	94.2	92.6	89.5	87.5	82.5
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
1471.00	200	160	250	87.2	436.8	2900
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	292.000	1880	3760	20	15	95

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
20-60Hz	3-60Hz	60-120Hz	≤ 3 kHz	VPWM or CPWM	1.0 Only

Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
NU326	6322	5300

Hazardous Locations Information

Temp Code (Sinewave / VFD)	/
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