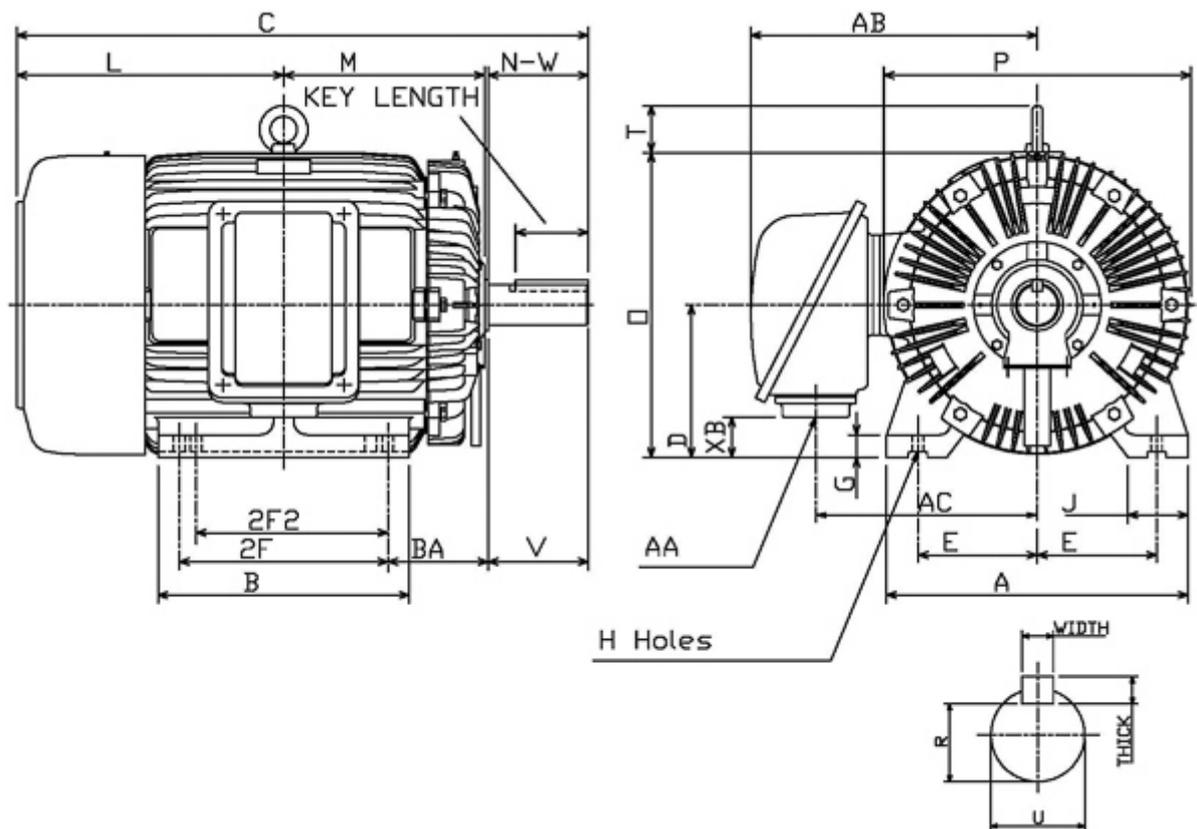


**Dimensional Drawing**

Catalogue	Model	HP	Pole	kW	Rating	Voltage	Hz	RPM
PDH02585	AEHH8N	25	8	19	Continuous	575	60	900



Frame Size	Mounting					A	B	C	CD	D	
	E	2F	2F2	H	BA						
326T	6.25	12	10.5	0.66	5.25	15.75	14.35	31.42		8	
G	J	K	L	M	O	P	T	Key			Keyseat
1.1	3.15		14.92	11.04	16.27	16.54	2.32	Width	Thick	Length	R
								0.5	0.5	3.91	1.845
Terminal Housing				Aux Box		C/D Flange					
AA	AB	AC	XB	AE	AX	BB	AH	AK	BD	AJ	BF
2 NPT	14.65	11.3	3.59								
Shaft Extension			Bearings		Approx. Weight Lbs	SPL dBA/3ft	Ins. Class	S.F.	Drive Method	Dimensions	
N-W	U	V	DE	NDE							
5.25	2.125	5.15	6312	6212	700	70	F	1.15	Direct Coupling / Belt Drive	Inches	

	
	Date: September 10, 2019

### Technical Data Sheet

Motor Type: AEHH8N	Catalogue No: PDH02585
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#### Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
25	8	875	326T	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 °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.					
90.2	88.5	91	91	79.5	76	66.5
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
150	200	175	220	10.5	26.1	146
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	
G	12.373	647	1153	28	20	70

#### VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
6-60Hz	3-60Hz	#N/A	≤ 5 kHz	VPWM or CPWM	1.0 Only

#### 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)
T3A / T3A

#### Additional Certifications

Other Certification
0

#### Additional Information

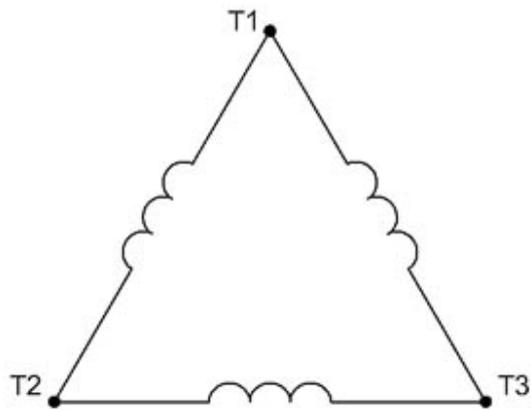
Bearings		Approx. Weight
DE	NDE	lbs
6312	6212	700

**Nameplate Drawing**

# Optim TEFC

TYPE	AEHH8N	CAT. NO.	PDH02585		
OUTPUT	25 HP 19 kW	FRAME	326T	TEFC	
R.P.M.	875	POLE	8	INS.	F
VOLTS	575	PHASE	3	Hz	60
AMPS	26.1	CODE	G	S.F.	1.15
AMBIENT	40 °C	NOM. EFF. 90.2		MIN. EFF. 88.5	
BEARINGS	6312 / 6212			RATING Cont.	
SER. NO.	TBD	DESIGN	B	WT. 700 LBS	
PWM VFD DUTY	VT	CT	CP	S.F.	
	3-60Hz	6-60Hz	#N/A	1.0 Only	

**Connection Diagram**

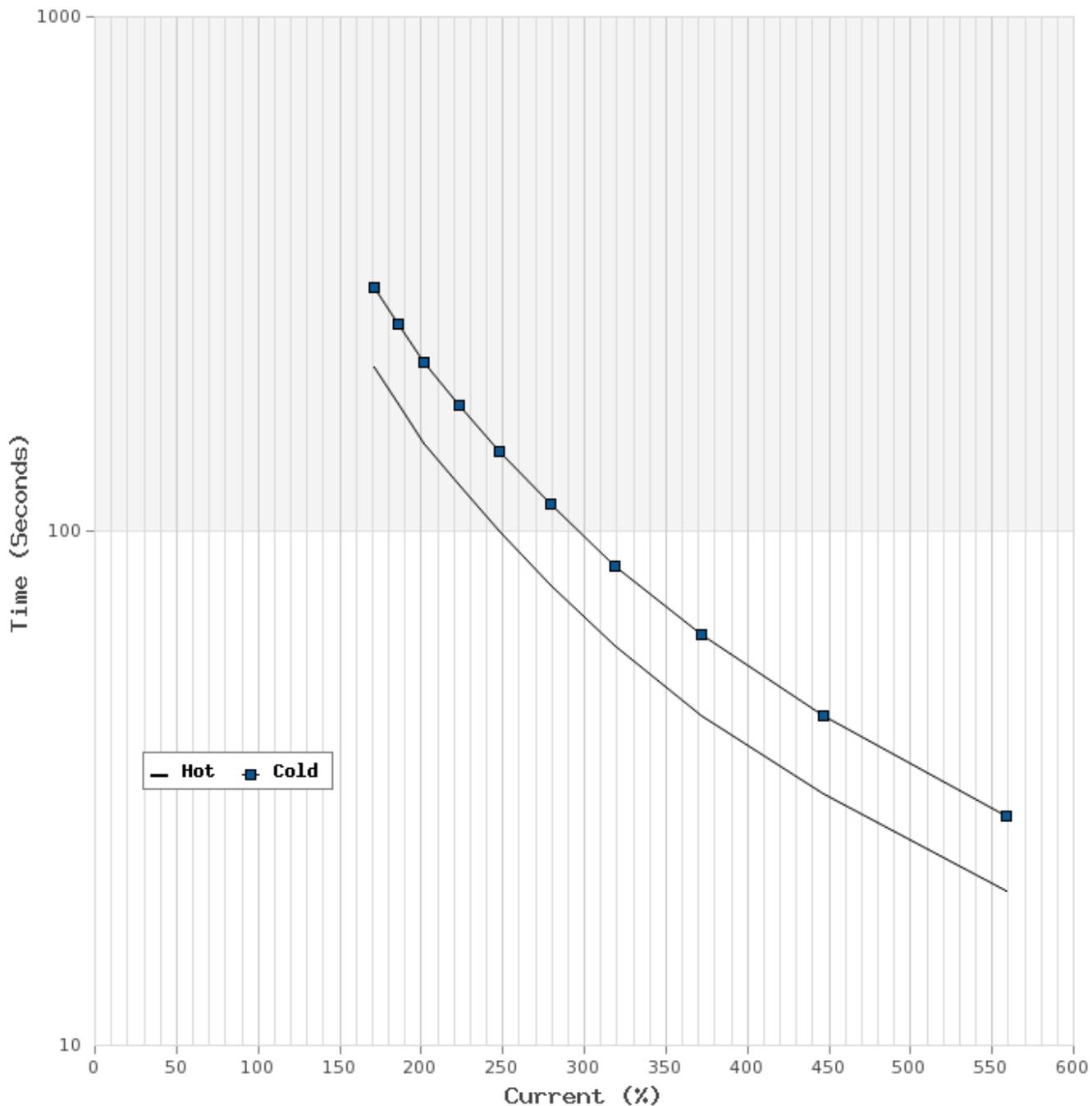


3 LEAD		SINGLE VOLTAGE			DELTA
VOLTAGE	CONN.	L1	L2	L3	
-	DELTA	1	2	3	

WD\_3D

### Thermal Limit Curves

Motor Type: AEHH8N		Catalogue No: PDH02585		Family: Optim TEFC	
HP	25	Safe Stall Time		Full Load A	26.1 A
Voltage	575V 60Hz	Hot	20 s	% Inrush	559 %
RPM	900	Cold	28 s	Locked Rotor A	146 A



**T-N and I-N Curves**

Motor Type: AEHH8N		Catalogue No: PDH02585		Family: Optim TEFC	
HP	25	Full Load T	150 lb-ft	Full Load A	26.1 A
Voltage	575V 60Hz	Locked Rotor T	200 %	Locked Rotor A	146.0 A
RPM	900	Pull Up T	175 %	Break Down T	220 %

