


Technical Documentation

APH00265D-841
Advantage Plus IEEE 841 | AEHH8B

Date: August 7, 2020

	
	Date: August 7, 2020

Technical Data Sheet

Motor Type: AEHH8B	Catalogue No: APH00265D-841
--------------------	-----------------------------

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
2	6	1170	184TD	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	<1000 m

Typical Performance

Efficiency (%)				Power Factor (%)		
Full Load		3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load
Nom.	Min.					
88.5	86.5	88.5	86.5	70.5	63.0	50.5
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
8.98	180	150	270	1.4	2.4	20
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	
L	0.423	30.00	219.00	95	67	53

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
6-60Hz	3-60Hz	60-120Hz	≤ 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)	T3C / T3C

Additional Certifications

Other Certification

Additional Information

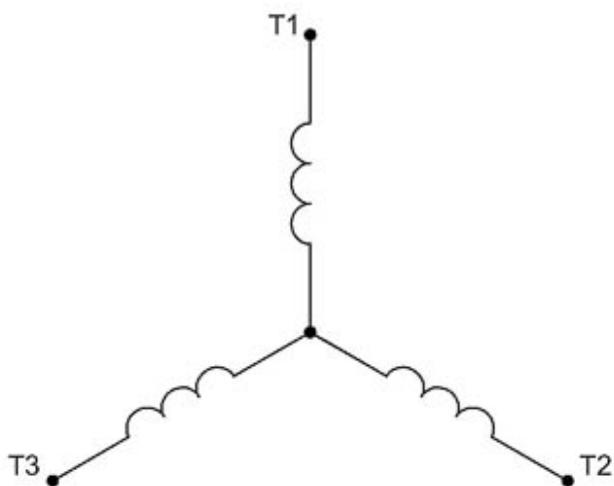
Bearings		Approx. Weight
DE	NDE	lbs
6306ZC3	6306ZC3	108

Nameplate Drawing

Advantage Plus IEEE 841

TYPE	AEHH8B	CAT. NO.	APH00265D-841		
OUTPUT	2 HP 1.5 kW	FRAME	184TD	TEFC	
R.P.M.	1170	POLE	6	INS.	F
VOLTS	575	PHASE	3	Hz	60
AMPS	2.4	CODE	L	S.F.	1.15
AMBIENT	40 °C	NOM. EFF. 88.5		MIN. EFF. 86.5	
BEARINGS	6306ZC3 / 6306ZC3			RATING Cont.	
SER. NO.	TBD	DESIGN	B	WT. 108 LBS	
PWM VFD DUTY	VT	CT	CP	S.F.	
	3-60Hz	6-60Hz	60-120Hz	1.0 Only	

Connection Diagram

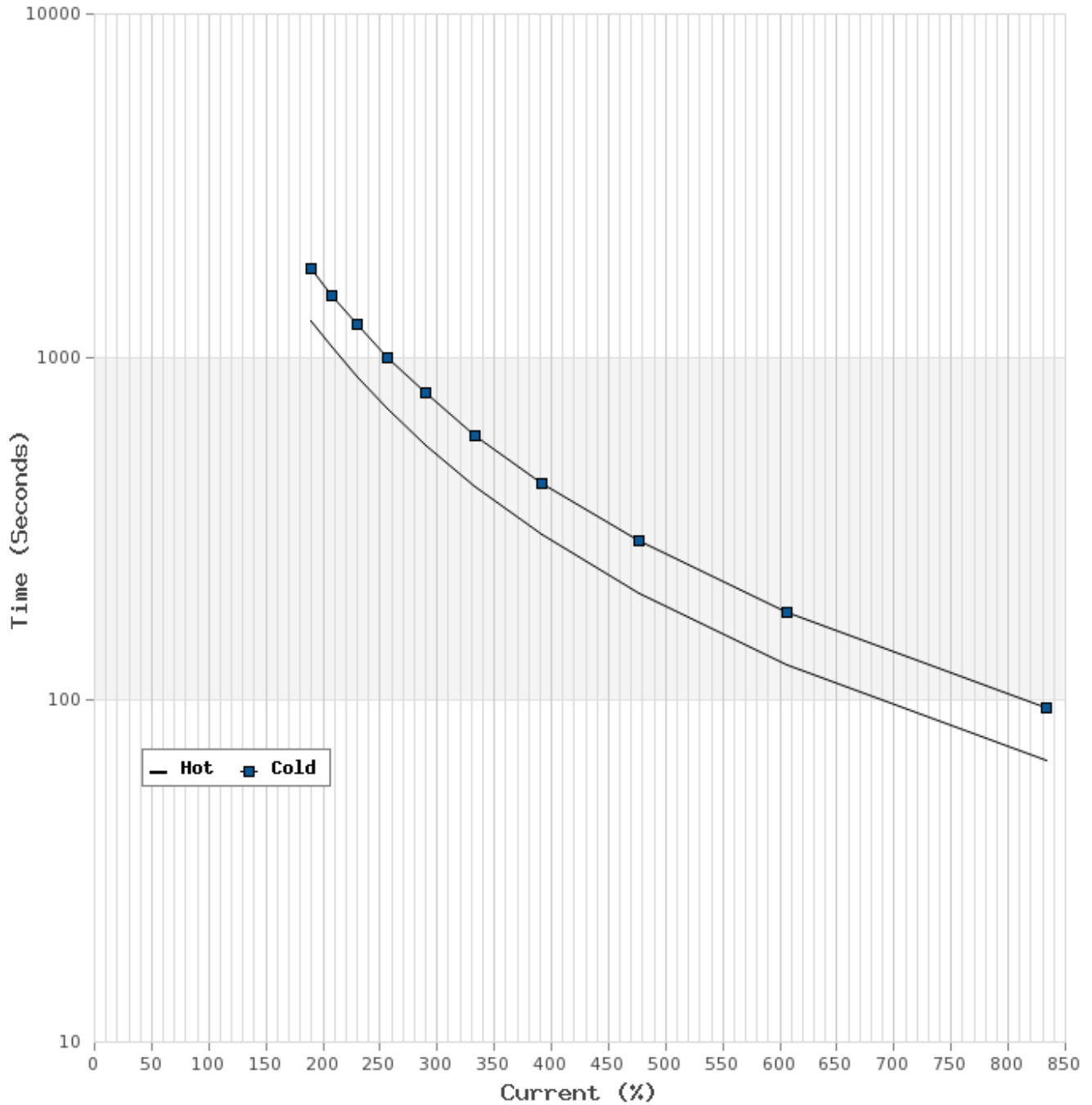


3 LEAD		SINGLE VOLTAGE			WYE
VOLTAGE	CONN.	L1	L2	L3	
-	WYE	1	2	3	

WD_3Y

Thermal Limit Curves

Motor Type: AEHH8B		Catalogue No: APH00265D-841		Family: Advantage Plus IEEE 841	
HP	2	Safe Stall Time		Full Load A	2.4 A
Voltage	575V 60Hz	Hot	67 s	% Inrush	833 %
RPM	1200	Cold	95 s	Locked Rotor A	20 A



T-N and I-N Curves

Motor Type: AEHH8B		Catalogue No: APH00265D-841		Family: Advantage Plus IEEE 841	
HP	2	Full Load T	8.98 lb-ft	Full Load A	2.4 A
Voltage	575V 60Hz	Locked Rotor T	180 %	Locked Rotor A	20.0 A
RPM	1200	Pull Up T	150 %	Break Down T	270 %

