


Technical Documentation

APH3502-841
Advantage Plus IEEE 841 | AEHH8B

Date: June 29, 2020

	
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Technical Data Sheet

Motor Type: AEHH8B	Catalogue No: APH3502-841
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Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
350	2	3583	449TS	460	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.					
95.8	95.0	95.4	94.5	90.2	86.5	82.5
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
512.80	102	81	210	61.0	379.3	2567
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	62.000	281.00	281.00	36	27	83

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
N/A	N/A	60-60Hz	≤ 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) T2C (1.0 SF) / N/A

Additional Certifications

Other Certification

Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
6314C3	6314C3	2826

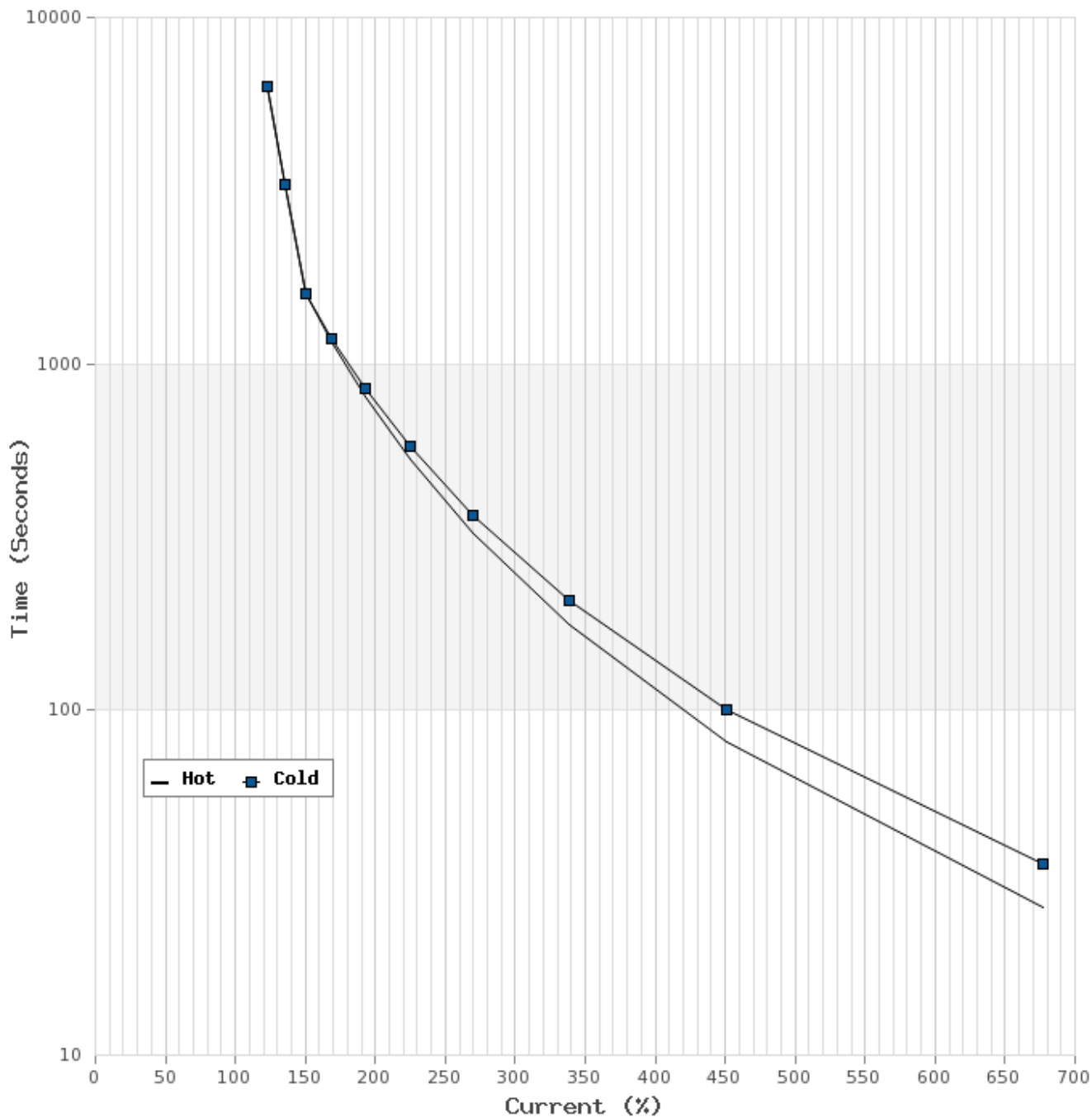
Nameplate Drawing

Advantage Plus IEEE 841

TYPE	AEHH8B	CAT. NO.	APH3502-841		
OUTPUT	350 HP 261 kW	FRAME	449TS	TEFC	
R.P.M.	3583	POLE	2	INS.	F
VOLTS	460	PHASE	3	Hz	60
AMPS	379.3	CODE	G	S.F.	1.15
AMBIENT	40 °C	NOM. EFF. 95.8		MIN. EFF. 95.0	
BEARINGS	6314C3 / 6314C3			RATING Cont.	
SER. NO.	TBD	DESIGN	B	WT. 2826 LBS	
PWM VFD DUTY	VT	CT	CP	S.F.	
	N/A	N/A	60-60Hz	1.0 Only	

Thermal Limit Curves

Motor Type: AEHH8B		Catalogue No: APH3502-841		Family: Advantage Plus IEEE 841	
HP	350	Safe Stall Time		Full Load A	379.3 A
Voltage	460V 60Hz	Hot	27 s	% Inrush	677 %
RPM	3600	Cold	36 s	Locked Rotor A	2567 A



T-N and I-N Curves

Motor Type: AEHH8B		Catalogue No: APH3502-841		Family: Advantage Plus IEEE 841	
HP	350	Full Load T	512.80 lb-ft	Full Load A	379.3 A
Voltage	460V 60Hz	Locked Rotor T	102 %	Locked Rotor A	2567.0 A
RPM	3600	Pull Up T	81 %	Break Down T	210 %

