

Technical Documentation

**APH35045-841**  
**Advantage Plus IEEE 841 | AEHH8B**

Date: June 29, 2020

 MOTORS (CANADA) INC.	
	Date: June 29, 2020

### Technical Data Sheet

Motor Type: AEHH8B	Catalogue No: APH35045-841
--------------------	----------------------------

#### Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
350	4	1785	449T	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.					
96.2	95.4	95.8	95.0	85.5	83.5	80.0
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
1027.00	100	85	210	76.4	318.8	2052
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	105.000	1373.00	2060.00	16	12	81

#### 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	Other Certification
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

#### Additional Information

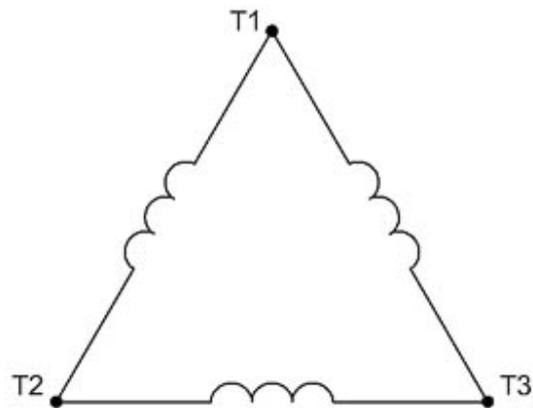
Bearings		Approx. Weight
DE	NDE	lbs
6320C3	6316C3	2959

**Nameplate Drawing**

# Advantage Plus IEEE 841

TYPE	AEHH8B	CAT. NO.	APH35045-841		
OUTPUT	350 HP 261 kW	FRAME	449T	TEFC	
R.P.M.	1785	POLE	4	INS.	F
VOLTS	575	PHASE	3	Hz	60
AMPS	318.8	CODE	G	S.F.	1.15
AMBIENT	40 °C	NOM. EFF. 96.2		MIN. EFF. 95.4	
BEARINGS	6320C3 / 6316C3			RATING Cont.	
SER. NO.	TBD	DESIGN	B	WT. 2959 LBS	
PWM VFD DUTY	VT	CT	CP	S.F.	
	N/A	N/A	60-60Hz	1.0 Only	

**Connection Diagram**

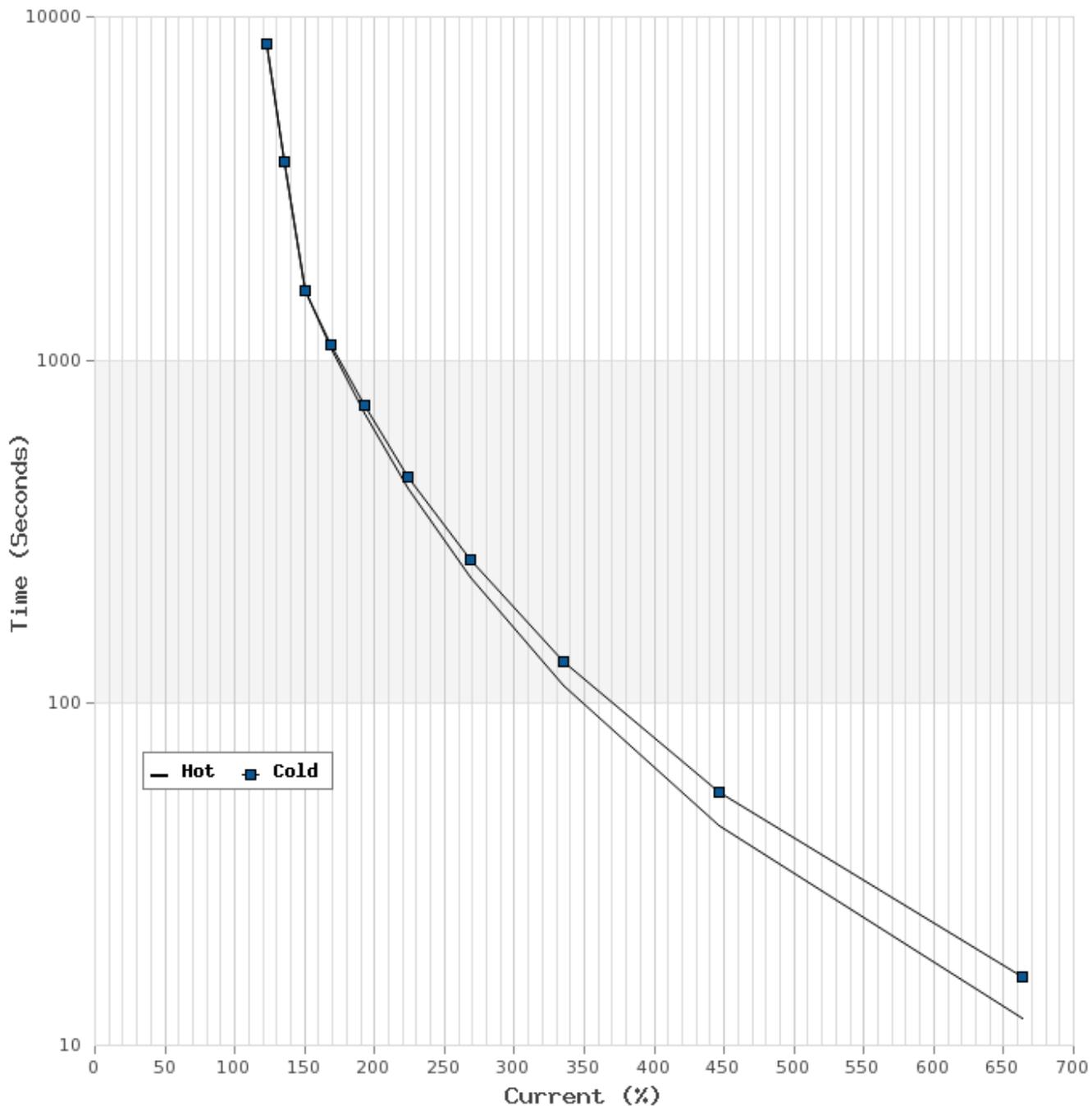


3 LEAD		SINGLE VOLTAGE			DELTA
VOLTAGE	CONN.	L1	L2	L3	
-	DELTA	1	2	3	

WD\_3D

### Thermal Limit Curves

Motor Type: AEHH8B		Catalogue No: APH35045-841		Family: Advantage Plus IEEE 841	
HP	350	Safe Stall Time		Full Load A	318.8 A
Voltage	575V 60Hz	Hot	12 s	% Inrush	644 %
RPM	1800	Cold	16 s	Locked Rotor A	2052 A



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

Motor Type: AEHH8B		Catalogue No: APH35045-841		Family: Advantage Plus IEEE 841	
HP	350	Full Load T	1027.00 lb-ft	Full Load A	318.8 A
Voltage	575V 60Hz	Locked Rotor T	100 %	Locked Rotor A	2052.0 A
RPM	1800	Pull Up T	85 %	Break Down T	210 %

