TECO Westinghouse MOTORS (CANADA) INC.	
	Date: May 28, 2018

Technical Documentation

XC0034C

Optim TEXP | AEHHXF

Date: May 28, 2018

TECO Westinghouse
MOTORS (CANADA) INC.

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Technical Data Sheet

Motor Type: AEHHXF	Catalogue No: XC0034C

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
3	4	1755	182TC	230 / 460	60	3

Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEXP	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.					
89.5	87.5	90.0	89.5	81.0	75.0	63.5

Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
9	255	230	345	4.2 / 2.1	7.8 / 3.9	64 / 32

NEMA KVA Code	Inertia (WR^2)			Safe Stall Time (s)		Noise Level Sound Press. dB(A)
	Rotor ($lb\text{-}ft^2$)	NEMA Load ($lb\text{-}ft^2$)	Max. Allowable ($lb\text{-}ft^2$)	Cold	Hot	
K	0.312	17	57	36	25	59

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
12-60Hz	3-60Hz	60-90Hz	≤ 5 kHz	VPWM or CPWM	1.0 Only

Additional Information

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

Hazardous Locations Information

CSA/UL Certified	
Class I, Div 1, Groups C & D; Class II, Div 1, Groups E, F & G Class I, Zone 1, Groups IIB & IIA; Class II, Div 1, Groups E, F & G	
Temp Code (Sinewave / VFD)	T3B / T3B

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Nameplate Drawing

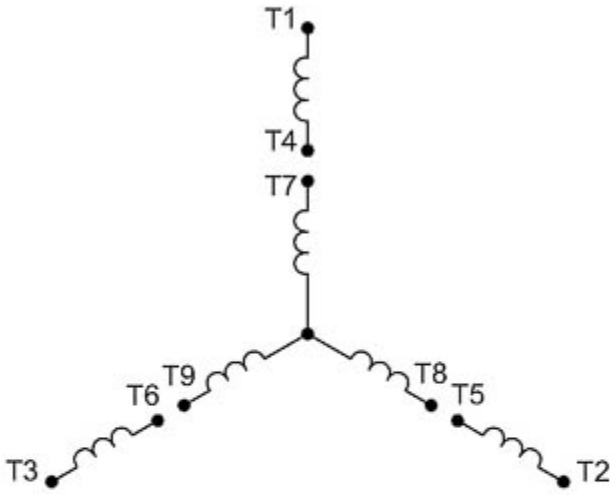
Optim TEXP

TYPE	AEHHXF	CAT. NO.	XC0034C		
OUTPUT	3 HP 2.2 kW	FRAME	182TC	TEXP	
R.P.M.	1755	POLE	4	INS.	F
VOLTS	230 / 460	PHASE	3	Hz	60
AMPS	7.8 / 3.9	CODE	K	S.F.	1.15
AMBIENT	40 °C	NOM. EFF. 89.5		MIN. EFF. 87.5	
BEARINGS	6306ZZ / 6306ZZ			RATING Cont.	

SER. NO.	TBD	DESIGN	B	WT. 108 LBS

PWM VFD DUTY	VT	CT	CP	S.F.
	3-60Hz	12-60Hz	60-90Hz	1.0 Only

Connection Diagram



9 LEAD DUAL VOLTAGE WYE					
VOLTAGE	CONN.	L1	L2	L3	JOIN
HIGH	WYE	1	2	3	4&7,5&8,6&9
LOW	2 WYE	1,7	2,8	3,9	4&5&6

WD_9Y