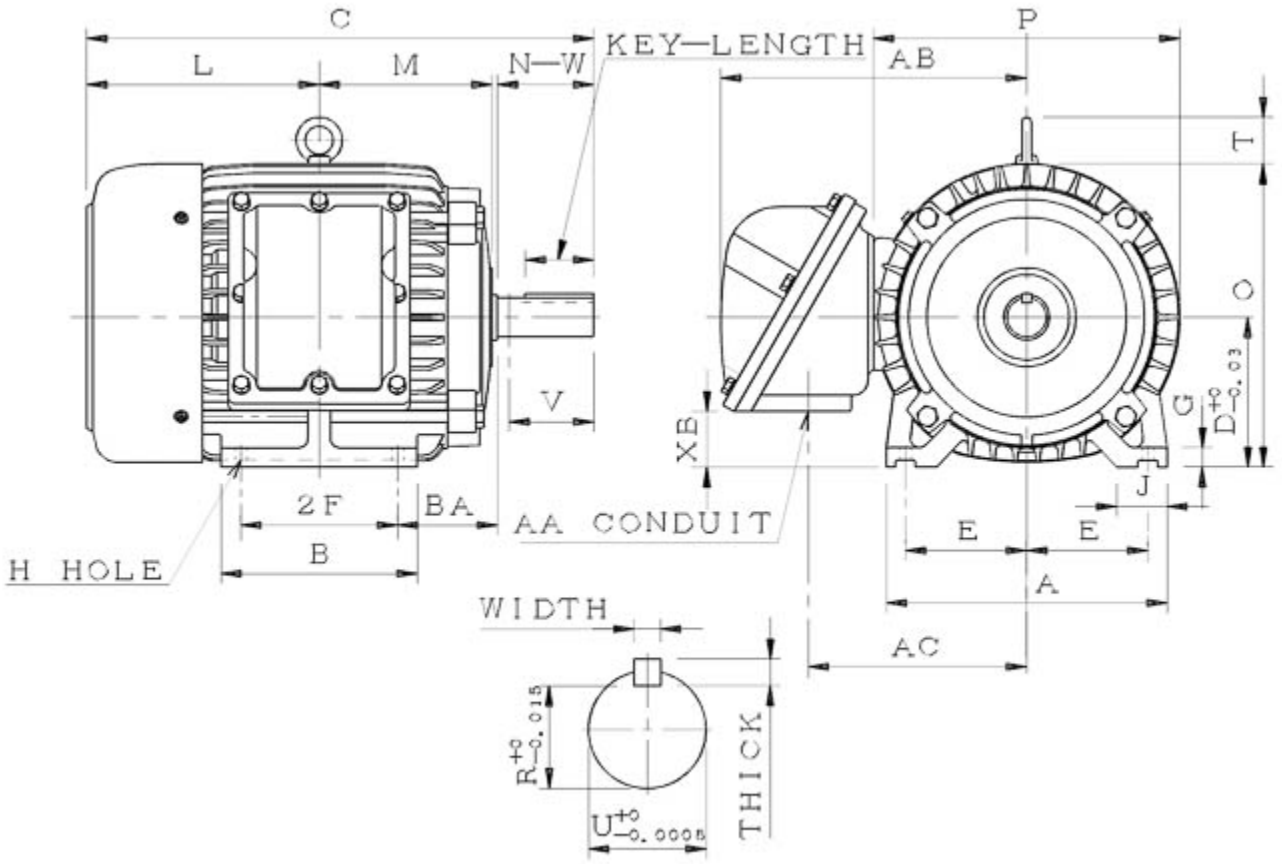
TECO Westinghouse
MOTORS (CANADA) INC.

Date: December 15, 2016

Dimensional Drawing

Catalogue	Model	HP	Pole	kW	Rating	Voltage	Hz	RPM
XH7/54	AEHHXV	7.5	4	5.6	Continuous	230 / 460 V	60	1800



AEHHXV-SWP-3 1 0

Frame Size	Mounting					A	B	C	CD	D
	E	2F	2F2	H	BA					
213T	4.25	5.5		0.41	3.5	9.85	6.9	18.26		5.25

G	J	K	L	M	O	P	T	Key			Keyseat
								Width	Thick	Length	R
0.7	1.75		8.63	6.02	10.8	11.1	1.45	0.312	0.312	2.41	1.201

Terminal Housing				Aux Box		C/D Flange					
AA	AB	AC	XB	AE	AX	BB	AH	AK	BD	AJ	BF
NPT1"	10.73	7.45	1.94								

Shaft Extension			Bearings		Approx. Weight Lbs	SPL dBA/3ft	Ins. Class	S.F.	Drive Method	Dimensions
N-W	U	V	DE	NDE						
3.38	1.375	3.3	6308ZZ	6306ZZ	187	60	F	1.15	Direct Coupling / Belt Drive	Inches

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Technical Data Sheet

Motor Type: AEHHXV	Catalogue No: XH7/54

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
7.5	4	1760	213T	230 / 460	60	3
Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEXP	F	1.15	Continuous	C	-40 to 40 °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.					
91.7	90.2	92.0	91.0	86.5	83.0	75.0

Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
22	280	230	310	5.8 / 2.9	17.7 / 8.9	127 / 64

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	
H	0.731	39	91	17	12	60

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
6-60Hz	3-60Hz	60-90Hz	≤ 5 kHz	VPWM or CPWM	1.0 Only

Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
6308ZZ	6306ZZ	187

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