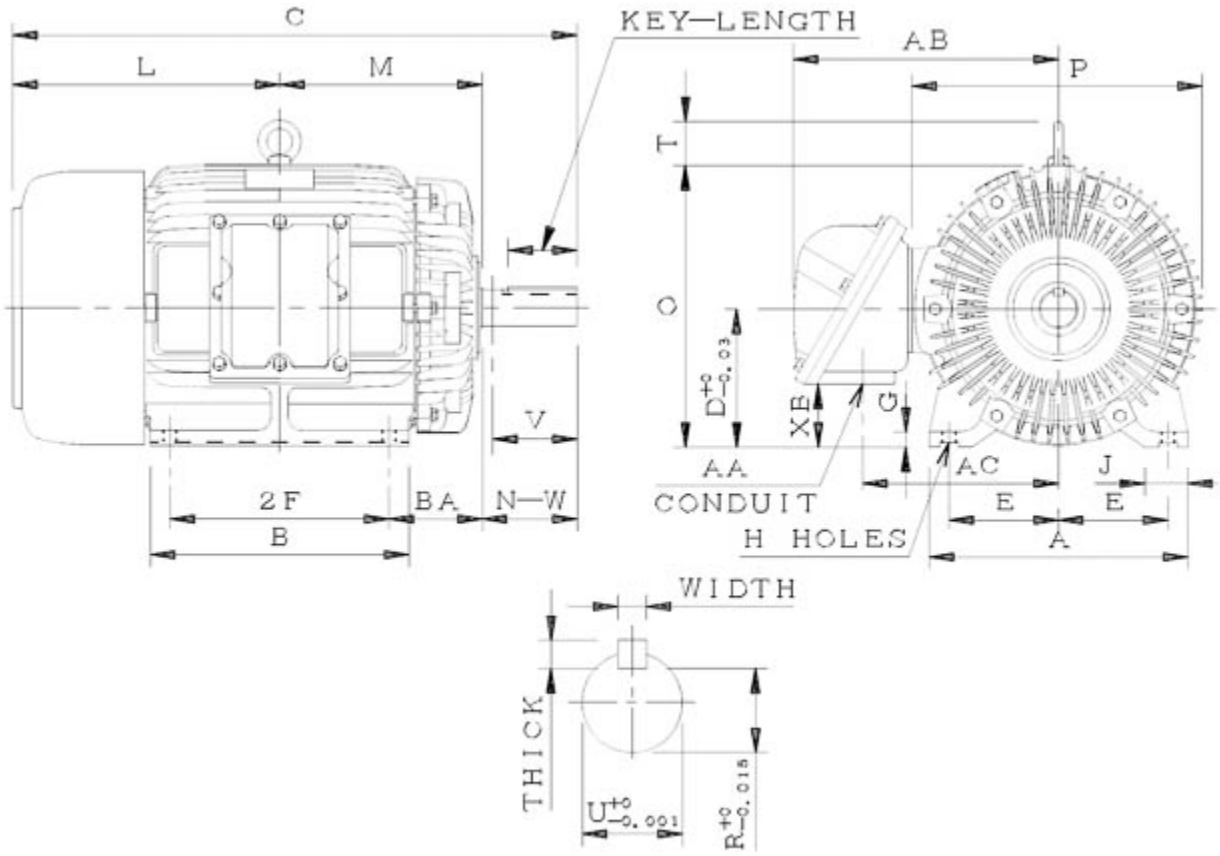
TECO Westinghouse
MOTORS (CANADA) INC.

Date: December 15, 2016

Dimensional Drawing

Catalogue	Model	HP	Pole	kW	Rating	Voltage	Hz	RPM
XH7/565	AEHHXV	7.5	6	5.6	Continuous	575 V	60	1200



AEHHXV-SMP-4 1 0

Frame Size	Mounting					A	B	C	CD	D
	E	2F	2F2	H	BA					
254T	5	8.25		0.53	4.25	11.8	9.85	23.78		6.25

G	J	K	L	M	O	P	T	Key			Keyseat
								Width	Thick	Length	R
0.65	1.95		11.41	8.3	12.8	13.15	2	0.375	0.375	2.91	1.416

Terminal Housing				Aux Box		C/D Flange					
AA	AB	AC	XB	AE	AX	BB	AH	AK	BD	AJ	BF
NPT11/4"	12.24	8.94	2.83								

Shaft Extension			Bearings		Approx. Weight Lbs	SPL dBA/3ft	Ins. Class	S.F.	Drive Method	Dimensions
N-W	U	V	DE	NDE						
4	1.625	3.9	6309ZZ	6307ZZ	330	57.0	F	1.15	Direct Coupling / Belt Drive	Inches

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Technical Data Sheet

Motor Type: AEHHXV	Catalogue No: XH7/565

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
7.5	6	1170	254T	575	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.					
91.0	89.5	91.5	91.0	82.0	77.0	66.5

Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
33.7	240.0	195.0	260.0	3.3	7.5	51

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	2.2	104.0	312.3	36.0	25.0	57.0

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
6309ZZ	6307ZZ	330

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