



Beaver Electrical Machinery Ltd.

Date: September 9, 2022

Technical Documentation

WP7/54C

Stainless Steel Washdown | AEGP

Beaver Electrical Machinery Ltd.
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Technical Data Sheet

Motor Type: AEGP	Catalogue No: WP7/54C
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Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
7.5	4	1760	213TC	230 / 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.					
91.7	90.2	91.7	91	83	78	67.5
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
22.37	250	200	280		18.5 / 9.3	127 / 63.5
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	
H	1.118					

VFD Duty Information

Max HP	Current (A)	Speed Range		VFD		S.F.
		Constant Torque	Variable Torque	Carrier Hz	Type	
7.5	9.25					

Hazardous Locations Information

Temp Code (Sinewave / VFD)	/
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Additional Certifications

Other Certification

Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
6308-2RS	6306-2RS	180

Nameplate Drawing

Stainless Steel Washdown

TYPE	AEGP	CAT. NO.	WP7/54C		
OUTPUT	7.5 HP kW	FRAME	213TC	TEFC	
R.P.M.	1760	POLE	4	INS.	F
VOLTS	230 / 460	PHASE	3	Hz	60
AMPS	18.5 / 9.3	CODE	H	S.F.	1.15
AMBIENT	40 °C	NOM. EFF. 91.7		MIN. EFF. 90.2	
BEARINGS	6308-2RS / 6306-2RS			RATING Cont.	
SER. NO.	TBD	DESIGN	B	WT. 180 LBS	
PWM VFD DUTY	VT	CT	CP	S.F.	