


Technical Documentation

FD7/54
Farm Duty | BECSFD

Date: April 15, 2021

	
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Technical Data Sheet

Motor Type: BECSFD	Catalogue No: FD7/54
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Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
7.5	4	1740	213T	230	60	1
Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.15	Continuous		-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.					
80.00				84.50		
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
22.60	350		240		36.0	218.00
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	

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
			0		

Hazardous Locations Information

Temp Code (Sinewave / VFD)	/
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Additional Certifications

Other Certification

Additional Information

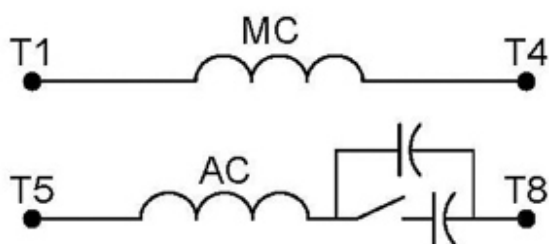
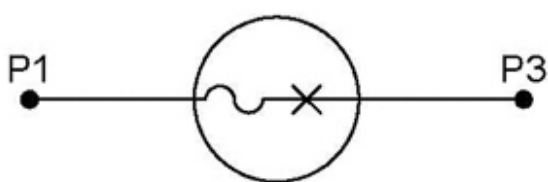
Bearings		Approx. Weight
DE	NDE	lbs
6308ZZ	6306ZZ	178

Nameplate Drawing

Farm Duty

TYPE	BECSFD	CAT. NO.	FD7/54		
OUTPUT	7.5 HP 5.60 kW	FRAME	213T	TEFC	
R.P.M.	1740	POLE	4	INS.	F
VOLTS	230	PHASE	1	Hz	60
AMPS	36.0	CODE		S.F.	1.15
AMBIENT	40 °C	NOM. EFF. 80.00		MIN. EFF.	
BEARINGS	6308ZZ / 6306ZZ			RATING Cont.	
SER. NO.	TBD	DESIGN		WT. 178 LBS	
PWM VFD DUTY	VT	CT	CP	S.F.	

Connection Diagram



6 LEAD SINGLE VOLTAGE CAP START/CAP RUN			
ROTATION	L1	L2	JOIN
CCW	P1	4&5	1&P3&8
CW	P1	4&8	1&P3&5

WD_6CSCR