Technical Documentation

FD1/54

Farm Duty | BECCFD

Date: November 29, 2016

TECO Westinghouse MOTORS (CANADA) INC.	
	Date: November 29, 2016

Technical Data Sheet

Motor Type: BECCFD	Catalogue No: FD1/54

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
1.5	4	1740	145T	115 / 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	<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.					
70.0				63.0		
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
4.50	350		260		22.0 / 11.0	116.00 / 58.00
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	

VFD Duty Information

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

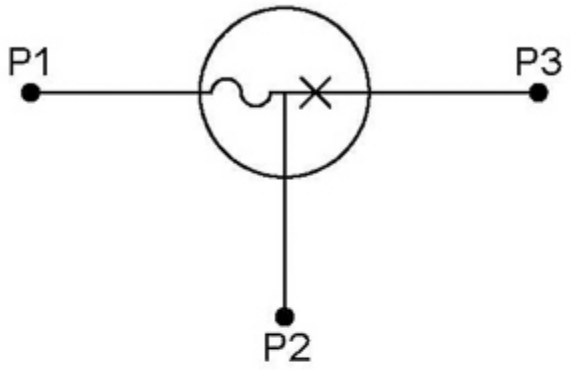
Additional Information

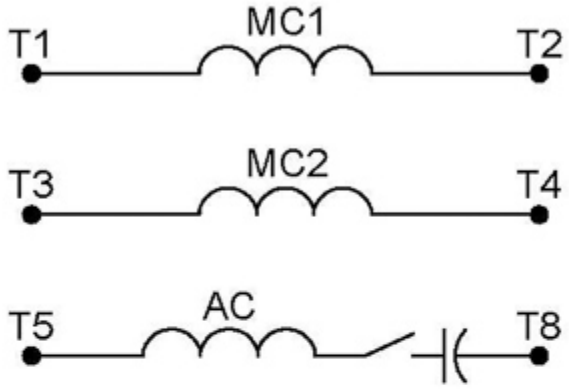
Bearings		Approx. Weight
DE	NDE	lbs
6205ZZ	6205ZZ	70

Hazardous Locations Information

Temp Code (Sinewave / VFD)	/

Connection Diagram





9 LEAD	DUAL VOLTAGE		CAPACITOR START	
VOLTAGE	ROTATION	L1	L2	JOIN
HIGH	CCW	P1	4	2&3&5, P2&8
	CW	P1	4	2&3&8, P2&5
LOW	CCW	P1	2,4,5	P2,3,8
	CW	P1	2,4,8	P2,3,5

WD_9CS