

# PRODUCT INFORMATION PACKET



Model No: C143T11FK2 F

Catalog No: 120485.00

..3/4HP..1140RPM.143TC.TEFC.208-230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID  
C.C143T11FK2F.....GENERAL PURPOSE.NOT.....

Totally Enclosed Fan Cooled (TEFC)



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### Nameplate Specifications

Output HP	<b>0.75 Hp</b>	Output KW	<b>0.56 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230/460 V</b>
Current	<b>3.0/1.5 A</b>	Speed	<b>1140 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>75.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>B</b>
KVA Code	<b>J</b>	Frame	<b>143TC</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>N</b>
IP Code	<b>43</b>		

### Technical Specifications

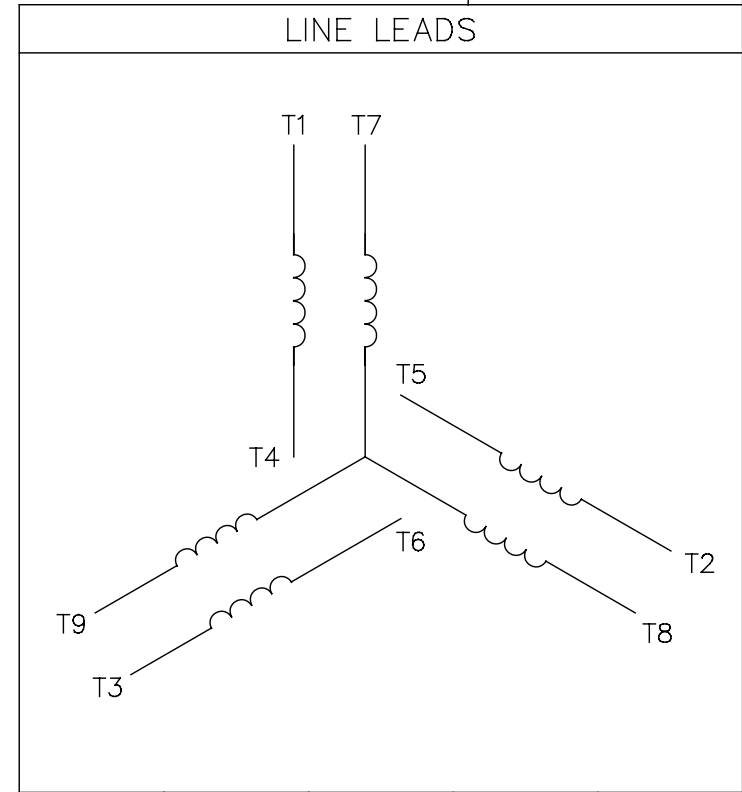
Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>T</b>
Overall Length	<b>12.92 in</b>	Frame Length	<b>7.00 in</b>
Shaft Diameter	<b>0.875 in</b>	Shaft Extension	<b>2.25 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>028911-700</b>	Connection Diagram	<b>005010.01</b>

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005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		<b>Regal Beloit America, Inc.</b>		DRAWN RDW 04/12/02			
				DEC.	INCHES			CHK			
				.X	±.1			APPD			
				.XX	±.01			SCALE 1=1			
				.XXX	±.005	TITLE		REF FIG.2-51			
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L.		FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	04/12/02	CAD FILE		00501001	SIZE	DRAWING NO.	REV.
				DIST		BRF-NLV		A	005010-01	A	



P.O. BOX 8003  
WAUSAU, WI 54401-8003  
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01  
OUTLINE: 028911-700  
WINDING: T63642

CAT #: 120485.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN				
0.75	0.56	1200	1155	143TC	TEFC	NA	J	B				
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.			
3	60	208-230/460	3.05/1.5	ACROSS THE LINE	CONT	B	1.15	40	3300			
F.L. EFF	F.L. PF	3/4 LD EFF	3/4 LD PF	74.0	50.0	1/2 LD EFF	1/2 LD PF	70.4	39.2	0.0	ELECT. TYPE	SO CAGE IND RUN
F.L. TORQUE	LR AMPS @ 460 V	7.2	7.8	LB-FT	229%	10.5	LB-FT	309%	66	F.L. RISE (°C)		
3.4	LB-FT	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT					
999	DBA	1008	DBA	0.09	LB-FT²	0.1	LB-FT²	0	SEC.	0	LB.	

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	JE - LEESON (ENAM)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL			
DE ODE	BALL BALL	POLYREX EM	T	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL		
6205	6203							
THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS		
NONE	NOT	NONE	NONE	NONE	FALSE	NA		
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT ODE		
0	0	0	0	0	0.080			

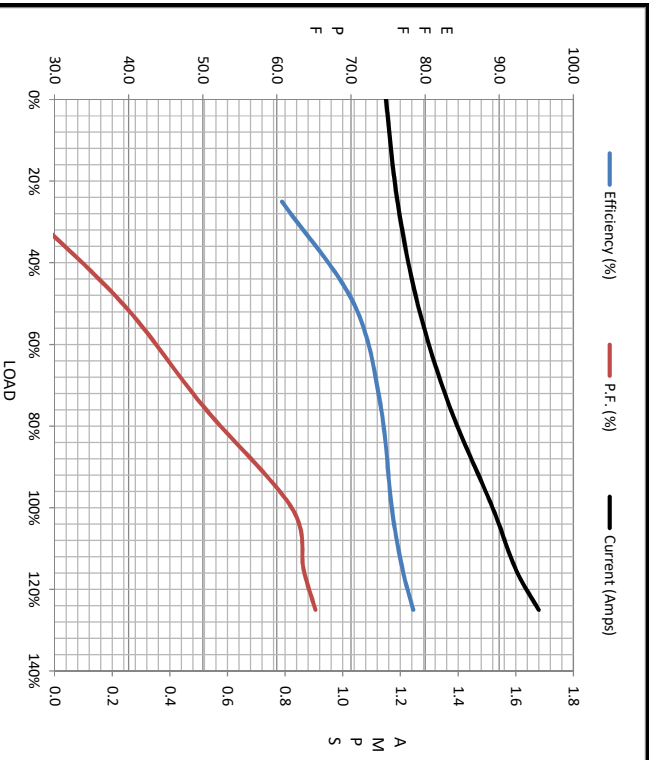
* N O T E S *		INVERTER TORQUE: NONE	
		INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		NONE	
		BRAKE: NONE	
		NONE	
		FT-LB: NA	NONE
		VOLTAGE: NONE	
		UL: Y-(LEESON UL REC)	

DATE:	1/24/2018	HZ:	
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Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	1.15	1.19	1.26	1.37	1.52	7.2
Torque (ft-lb)	0.00	0.85	1.70	2.50	3.4	7.8
RPM	1200	1190	1180	1168	1155	0
Efficiency (%)		60.7	70.4	74.0	75.5	
P.F. (%)	9.6	25.0	39.2	50.0	62.0	0.0

Motor Speed Data							Information Block																											
	LR	Pull-Up	BD	Rated	Idle		HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk <sup>2</sup>	Rel Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	R1	R2	X1	X2	Xm		
Speed (RPM)	0	600	1104	1155	1200		0.8	1200	140	TEFC	NA	208-230/460	60	B	J	1.15	66	CONT	40	1,000	0.09	FR	999	NONE	028911-700	005010.01		0.0000	0.0000	0.0000	0.0000	0.0000		
Current (Amps)	7.2	6.6	4.3	1.52	1.15																													
Torque (ft-lb)	7.8	7.8	10.5	3.4	0.00																													



EQUIV CKT (OHMS / PHASE)			
	R1	R2	Xm
	0.0000	0.0000	0.0000

