

PRODUCT INFORMATION PACKET



Model No: C215T34WK19A

Catalog No: 141358.00

15HP..3600RPM.215JM.TEFC.230/460V.3PH.60HZ.CONT.40C..JM PUMP.....

Jm Pump



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Nameplate Specifications

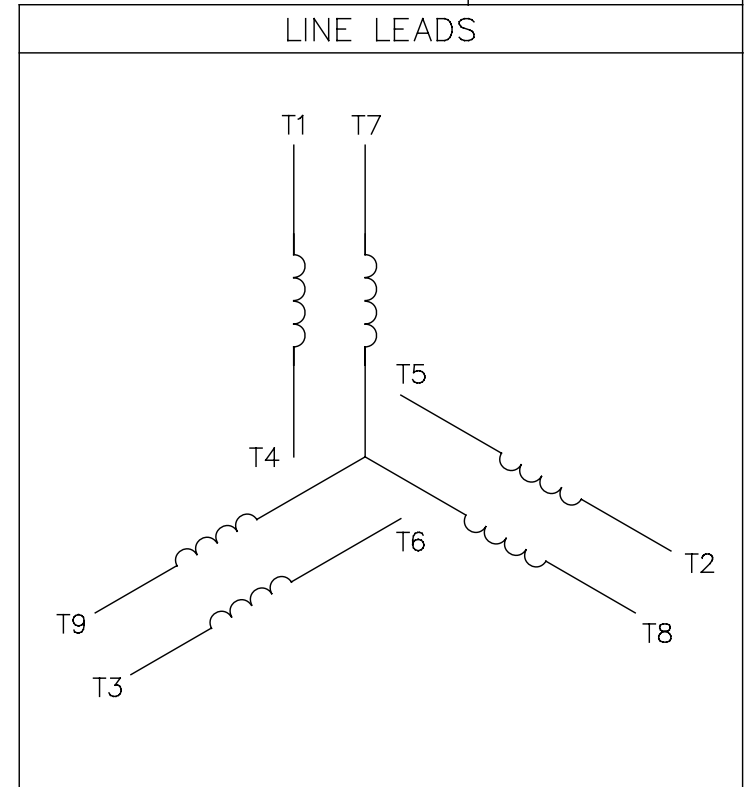
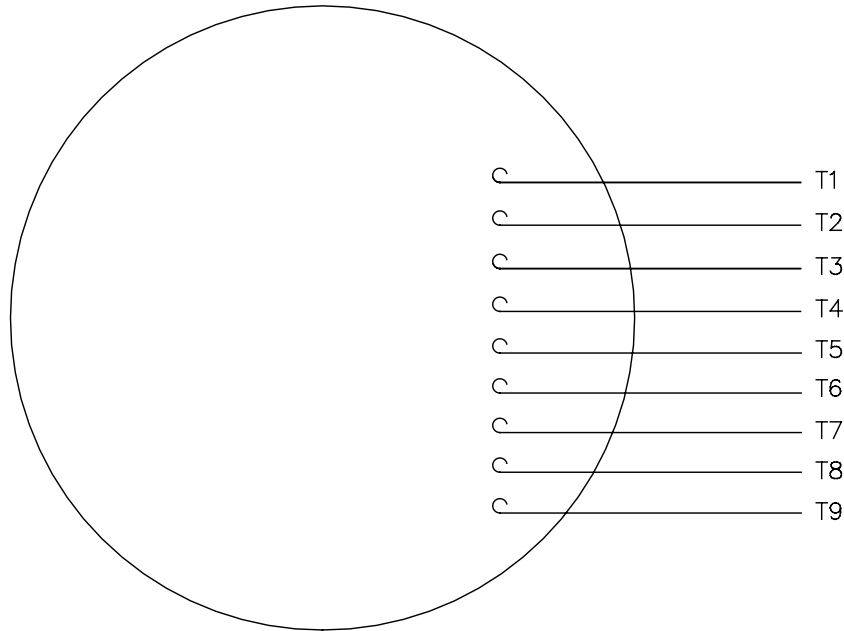
Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	35.0/17.6 A	Speed	3495 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	215JM
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	JM
Overall Length	21.71 in	Frame Length	11.15 in
Shaft Diameter	0.875 in	Shaft Extension	4.21 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	A-SS88927LE-1115	Connection Diagram	005010.01

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		 Regal Beloit America, Inc.			DRAWN RDW 04/12/02		
				DEC.	INCHES				CHK		
				.X	±.1				APPD		
				.XX	±.01				SCALE 1=1		
				.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			REF FIG.2-51		
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005				MAT'L DECAL - 004014		
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 A	DRAWING NO. 005010-01		REV. A
				DIST BRF-NLV							

DATA VOLTS: 460

NONE 1

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE
15	11.2	3600	3495	215TC	TEFC	TFW
						G
						B
DESIGN	KVA CODE	TYPE	ENCLOSURE	FRAME	FL RPM	SYNC RPM
KW	HP					

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.	
3	60/50	230/460#190/380	35/17.6828.4/14.2	LINE OR INVERTER	CONT	F	1.15	40	3300	
	F.L. EFF	91.0	3/4 LD EFF	90.7	1/2 LD EFF	90.6	GTD EFF	ELECT. TYPE		
	F.L. PF	89.0	3/4 LD PF	86.3	1/2 LD PF	79.1	89.5	SQ CAGE INV RATED		
F.L. TORQUE		LR AMPS @ 480 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)		
22.5	LB-FT	109		42.8	LB-FT	190%	61.8	LB-FT	275%	80
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR
72	DBA	81	DBA	0.75	LB-FT²	18	LB-FT²	15	SEC.	2
										MOTOR WGT
										LB.

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	HITE - LEESON (EPD

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYUREXEM	T	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
6309	6206						

[illegible]

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.397	0.295	1.334	1.249	45.171	0.150	ODE

*		INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE	
N			
O			
T			
E			
S		ENCODER: NONE NONE NONE	NONE PPR
*		NONE	

DATE:	2/19/2018	BRAKE: NONE	
		NONE	NONE
		FT.LB:	NA
		VOLTAGE:	NONE
UL: Y-(LEESON UL REC)			HZ



Data@ 460 V

Motor Load Data

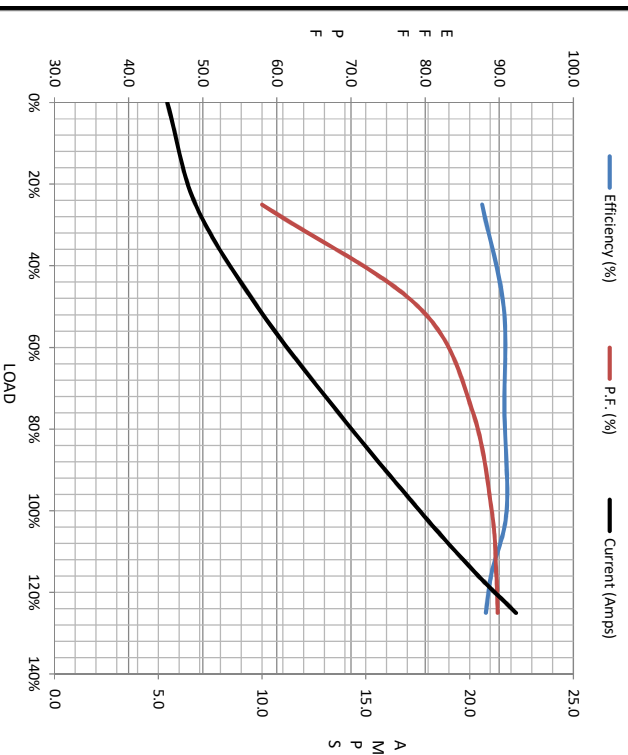
	0%	25%	50%	75%	100%	115%	125%	LR
Load								
Current (amps)	0%	25%	50%	75%	100%	115%	125%	LR
Torque (ft-lb)	0.00	6.8	9.8	13.5	17.6	20.3	22.2	109
	0.00	5.5	11.1	16.9	22.5	26.1	28.6	42.8
RPM	3800	3576	3562	3524	3495	3,475	3461	0
Efficiency (%)		87.7	90.6	90.7	91.0	89.0	88.2	
P.F. (%)	18.2	58.0	79.1	86.3	89.0	89.6	89.8	45.6

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	632	3120	3495	3600		
Current (Amps)	109	111	70.5	17.6	5.4	HP	15.0
Torque (ft-lb)	42.8	42.7	61.8	22.5	0.00	Sync. RPM	3600

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	215			
Enclosure	TEFC			
Construction	TFW			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	80	°C		
Duty	CONT			
Ambient	40	°C		
Elevation	1,000	feet		
Motor/Shift wkt	0.75	Lb-Ft²		
Ref Wdg	K2132128	NONE		
Sound Pressure @ 1M	72	dBa		
VFD Rating	VARIABLE 10:1			
Outline Dwg	A-SS88927LE-1115			
Conn. Diag	00501.001			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.3970	0.2950	1.3340	1.2490	45.1710



Speed -Torque Curve

