

# PRODUCT INFORMATION PACKET



Model No: C143T17DK9AA

Catalog No: 122093.00

..1..1800.143JP.ODP.230/460.3.60/50HZ.CONT.40C..RIGID C-FACE.....  
JP



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### Nameplate Specifications

Output HP	<b>1 Hp</b>	Output KW	<b>0.75 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>3.0/1.5 A</b>	Speed	<b>1760 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>85.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>N</b>	Frame	<b>143JP</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6206</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>22</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</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>JP</b>
Overall Length	<b>18.18 in</b>	Frame Length	<b>9.06 in</b>
Shaft Diameter	<b>0.875 in</b>	Shaft Extension	<b>7.34 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>A-100132-906</b>	Connection Diagram	<b>A-EE7308</b>

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NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM	ML	APPD	SCALE	REF	FMF	PREV
					DEC.	INCHES								
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					11/20/1990						
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1									
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02									
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005									
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005									
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1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810

CERTIFICATION DATA SHEET

CATALOG #: 122093.00

CONN. DIAGRAM: A-EE7308

MOUNTING: F1 ONLY

OUTLINE: A-100132-906

WINDING #: ZT4259 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
183/4	0.75&0.56	1800	1760&1460	143Jp	DP	N	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	3/1.5&3/1.5	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.0	40

<b>FULL LOAD EFF:</b>	85.5&85.3	<b>3/4 LOAD EFF:</b>	84.6	<b>1/2 LOAD EFF:</b>	81.3	<b>GTD. EFF</b>	82.5	<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	71&69.3	<b>3/4 LOAD PF:</b>	62.6	<b>1/2 LOAD PF:</b>	49.8	<b>SQ CAGE INV RATED</b>		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	29 / 14.5	11.2 LB-FT 373 %	15.4 LB-FT 513 %	21

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
56 DBA	66 DBA	0.117 LB-FT^2	10 LB-FT^2	20 SEC.	2	0 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	PROVISIONS ONLY	NONE	BLUE (POWDER)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL ODE BALL	POLYREX EM	Jp	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	NONE	FALSE	NONE
NONE	NOT	NONE	NONE			

\* INVERTER TORQUE: CONSTANT 2:1  
INV. HP SPEED RANGE: NONE

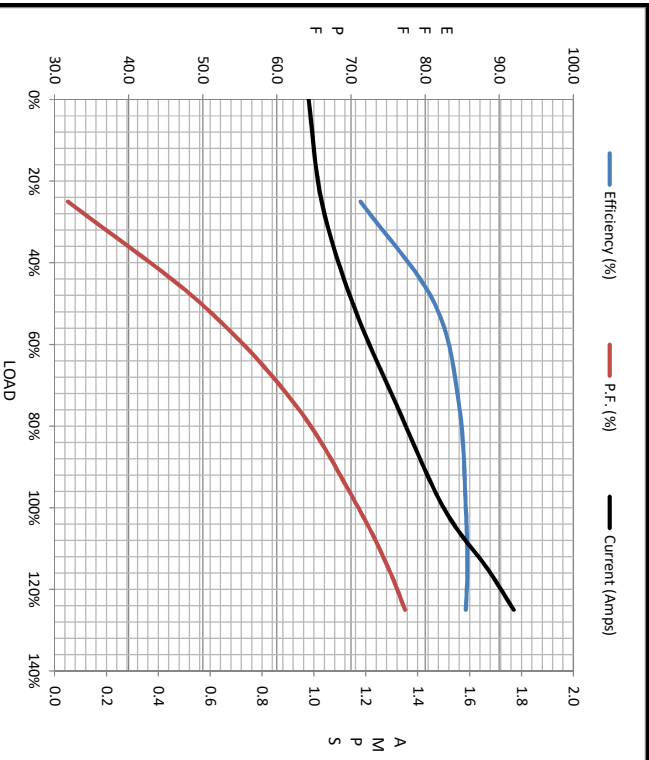
ENCODER: NONE  
NONE NONE  
NONE NONE PPR

BRAKE: NONE NONE  
NONE P/N NONE  
NONE NONE  
NONE FT-LB NONE V NONE HZ



Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	0.98	1.03	1.15	1.32	1.50	14.5
Torque (ft-lb)	0.00	0.73	1.47	2.22	3.0	11.2
RPM	1800	1790	1781	1772	1760	0
Efficiency (%)		71.3	81.3	84.6	85.5	
P.F. (%)	11.1	31.8	49.8	62.6	71.0	73.4

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>	Ret Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	R1	R2	X1	X2	Xm		
0	120	1285	1760	1800		1.0	1800	143	DP	TDR	230/460#190/380	60	A	N	1.15	21	CONT	40	1,000	0.12	NONE	56	CONSTANT 2:1	A-100132-906	A-EE7308		0.0000	0.0000	0.0000	0.0000	0.0000		
Current (Amps)	14.5	13.0	9.8	1.50	0.98																												
Torque (ft-lb)	11.2	10.0	15.4	3.0	0.00																												



LR	Pull-Up	BD	Rated	Idle
0	120	1285	1760	1800
Current (Amps)	14.5	13.0	9.8	1.50
Torque (ft-lb)	11.2	10.0	15.4	3.0

