

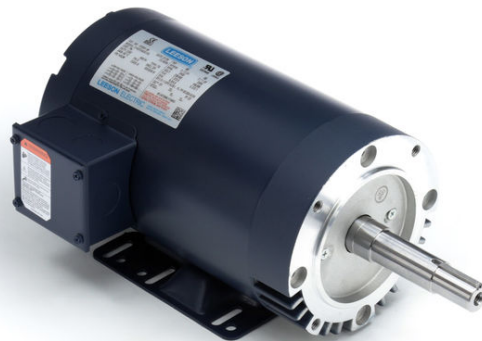
PRODUCT INFORMATION PACKET



Model No: C145T17DC48A

Catalog No: 122080.00

..2..1800.145JMV.OPEN.230/460V.3.60/50HZ.CONT.40C..C-FACE.....
JM



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Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	6.0/3.0 A	Speed	1750 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	N	Frame	145JMV
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	HORIZONTAL OR SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	JM
Overall Length	15.92 in	Frame Length	9.56 in
Shaft Diameter	0.875 in	Shaft Extension	4.21 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-108673-956	Connection Diagram	A-EE7308-REGAL



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RM 11/20/1990	
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML 11/21/1990	
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1	TITLE CONNECTION DIAGRAM 3Ø – DUAL VOLTAGE MOTOR MAT'L. FINISH	APPD SAS 04/24/2003	
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE 1=1	
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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	CAD FILE ee7308		SIZE A	DRAWING NO. EE7308	PAGE OF 5
			DIST WP					

Data Sheet

Date: 1/29/2018

122080.00



Data @ 460 V

Motor Load Data

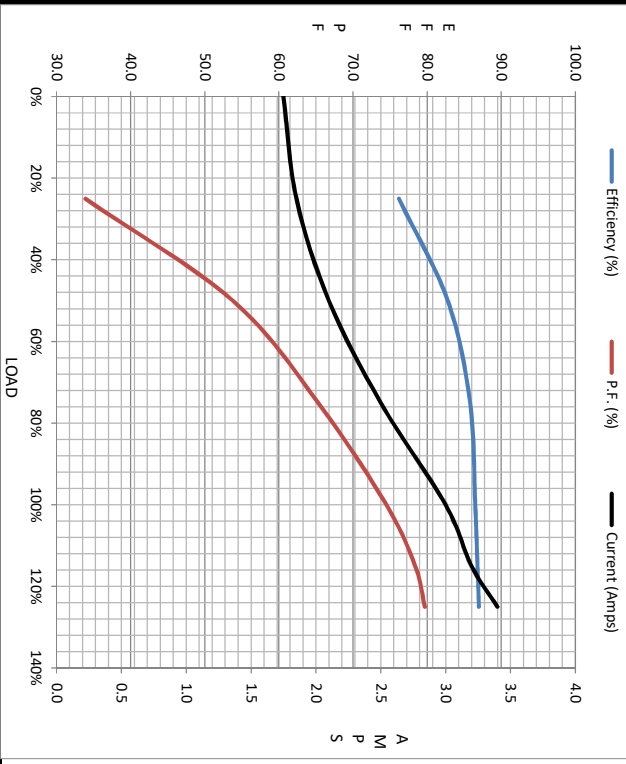
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.75	1.85	2.10	2.50	3.0	3.2	3.4	28.4	
Torque (ft-lb)	0.00	1.50	2.95	4.5	6.0	7.0	7.6	24.1	
RPM	1800	1789	1778	1765	1750	1,745	1740	0	
Efficiency (%)		76.2	82.8	85.8	86.5	86.8	87.0		
P.F. (%)	7.9	33.9	53.8	65.3	74.5	78.4	79.7	71.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	125	1220	1750	1800
Current (Amps)	28.4	25.5	17.6	3.0	1.75
Torque (ft-lb)		22.0	30.7	6.0	0.00

Information Block

HP	2.0
Sync. RPM	1800
Frame	56
Enclosure	DP
Construction	TDR
Voltage	230/460#190/380
Frequency	60
Design	A
LR Code letter	N
Service Factor	1.15
Temp Rise @ FL	38
Duty	CONT
Ambient	40
Elevation	1,000
Rotor/Shaft wk²	0.09
Ref Wdg	Z14260 NONE
Sound Pressure @ 1M	56
VFD Rating	CONSTANT 2:1
Outline Dwg	A-100186-956
Conn. Diag	A-EE7308-REGAL
Additional Specifications:	
0	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
4.1180	3.2660
	6.2480
	5.6800
	163.3000



Speed - Torque Curve

