

PRODUCT INFORMATION PACKET

Model No: 143TTDR16012
Catalog No: GT4003
1 1/2,3600,DP,143JMV,3/60/200
JM



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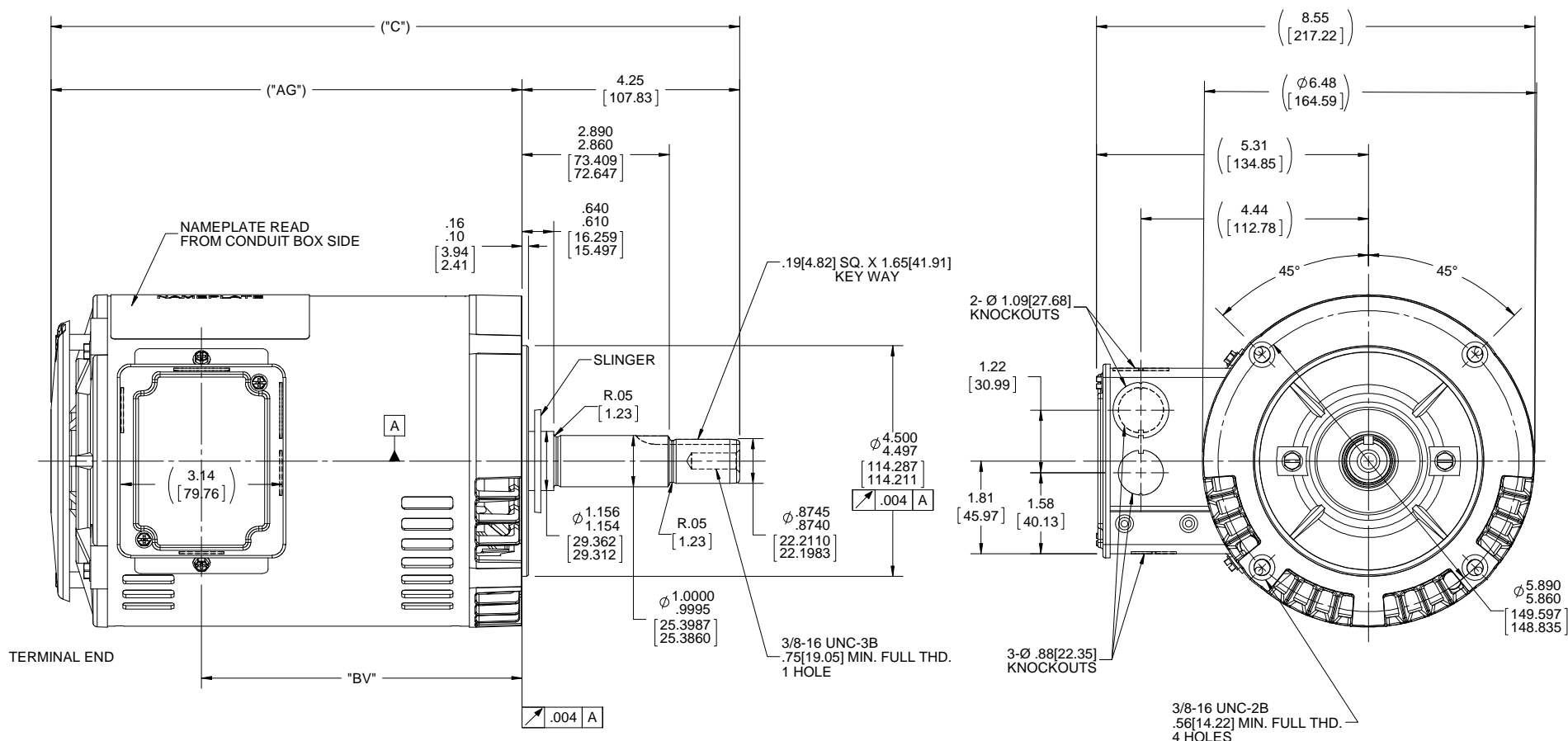
Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	200 V
Current	4.4 A	Speed	3515 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	143JMV
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	2	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	14.92 in	Frame Length	8.56 in
Shaft Diameter	0.875 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	A-100186-856	Connection Diagram	A-EE7300

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NOTE:
CONDUIT BOX CAN BE ROTATED IN 180° STEPS.

DASH NO.	"C"	"AG"	"BV"
656	12.93[328.42]	8.69[220.72]	5.75[146.05]
706	13.43[341.12]	9.19[233.42]	6.25[158.75]
756	13.93[353.82]	9.69[246.12]	6.75[171.45]
806	14.43[366.52]	10.19[258.82]	7.25[184.15]
856	14.93[379.22]	10.69[271.52]	7.75[196.85]
906	15.43[391.92]	11.19[284.22]	8.25[209.55]

DRAWING REVISION K	REVISION BY A. KEETHA	DATE 02/12/2018
ECO ECO-0143026	APPROVED BY PST	DATE 04/11/2018
ECO DESCRIPTION OUTLINE CONVERSION PROJECT		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	+0.1	[+2.5]
.XX	+0.03	[+0.76]
.XXX	+0.005	[+0.127]
.XXXX	+0.0005	[+0.0127]
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°		
CORNER FILLETS: R.02 [.51]		
MACHINED SURFACES: 200 INCH 5.1 mm		

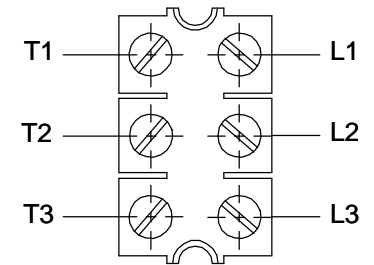
DRAWN BY SMC
DATE 10-30-1990
APPROVED BY ML
DATE 10-31-1990
REFERENCE 100186
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION OUTLINE	
140T FRAME-BB-DR-PR- C'FACE-3Ø-JM. EXT.	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER 100186
SHEET 1 OF 1	

**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**




A-9806 DECAL

**OPTIONAL CORD
CONNECTION**

- L1 _____ WHITE _____
- L2 _____ RED _____
- L3 _____ BLACK _____

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA	 Regal Beloit America, Inc.		
DATE 03-26-1993			
APPROVED BY TB	DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR		
DATE 03-26-1993	MATERIAL	PROCESS/FINISH	
REFERENCE	SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1

Data Sheet

Date: 29-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



143TTDR16012

Submittal

Data @ 200 V

Motor Load Data

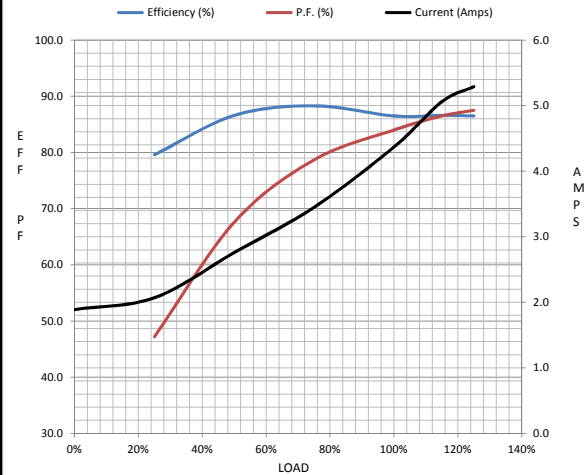
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.89	2.07	2.76	3.5	4.4	5.1	5.3	42.8
Torque (ft-lb)	0.00	0.55	1.10	1.68	2.25	2.60	2.80	6.8
RPM	3600	3580	3560	3540	3515	3,505	3495	0
Efficiency (%)		79.6	86.6	88.3	86.5	86.5	86.5	
P.F. (%)	14.3	47.2	67.6	78.7	84.0	86.5	87.5	62.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	215	2700	3515	3600
Current (Amps)	42.8	43.0	26.9	4.4	1.89
Torque (ft-lb)	6.8	5.7	10.0	2.25	0.00

Information Block

HP	1.5			
Sync. RPM	3600			
Frame	143			
Enclosure	DP			
Construction	TDR			
Voltage	200 V			
Frequency	60 Hz			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	20 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	ZT2168 DR			
Sound Pressure @ 1M	68 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-100186-856			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.0010	0.7150	1.7520	1.7870	67.9190



Speed -Torque Curve

