PRODUCT INFORMATION PACKET

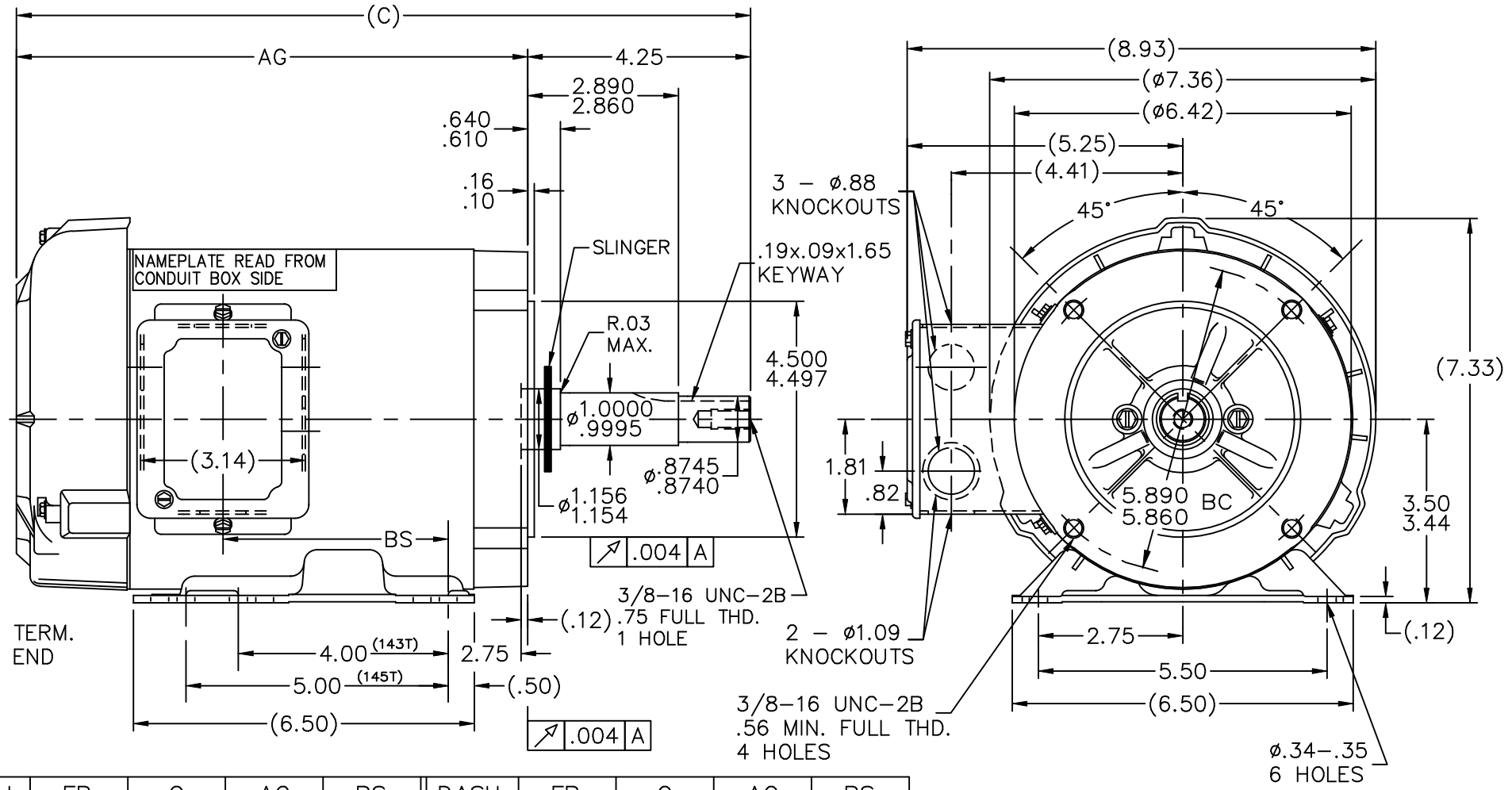
Model No: 143TTFR4034
Catalog No: U301
1 HP Close-Coupled Pump Motor, 3 phase, 1800 RPM, 230/460 V, 143JM Frame, TEFC
JM Motors

Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.0/1.5 A	Speed	1755 rpm
Service Factor	1.15	Phase	3
Efficiency	82.5 %	Power Factor	74.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
Frame	143JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	16.8 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	15.00 in
Frame Length	7.56 in	Shaft Diameter	0.875 in
Shaft Extension	4.09 in	Assembly/Box Mounting	F1 ONLY



DASH	FR	C	AG	BS	DASH	FR	C	AG	BS
706	140T	14.50	10.25	3.44	856	140T	16.00	11.75	4.94
03-31-97 756	140T	15.00	10.75	3.94	01-16-97 906	140T	16.50	12.25	5.44
806	140T	15.50	11.25	4.44	956	140T	17.00	12.75	5.94

NOTE:
'C'BOX CAN BE ROTATED 180°

NO.	REVISION	BY & DATE	CHK
7	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML
6	REDRAWN ON CADD	MRB 12-21-1994	

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

MARATHON ELECTRIC

DRAWN MRB 12-20-1994
CHK ML 12-21-1994
APPD GK 12-21-1994
SCALE 11=32
REF
FMF
PREV

TITLE OUTLINE JM EXT.
140 FR. - TEFC - 355C - BB - 'C' FACE
MAT'L.
FINISH
CAD FILE 100133
RFP
DIST WP

SIZE	DRAWING NO.	PAGE OF	REV.
A	100133		7

EE7308

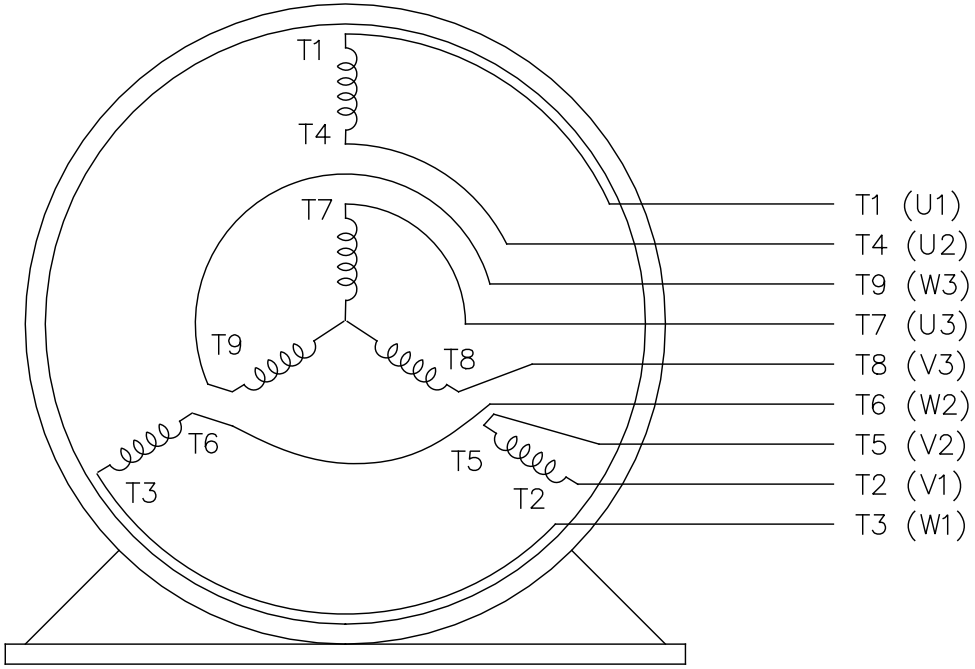
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE

(U1) T1 — L1
(V1) T2 — L2
(W1) T3 — L3
(U2) T4
(U3) T7
(V2) T5
(V3) T8
(W2) T6
(W3) T9

LOW VOLTAGE

(U1) T1
(U3) T7 — L1
(V1) T2
(V3) T8 — L2
(W1) T3
(W3) T9 — L3
(U2) T4
(V2) T5
(W2) T6



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK
5	CHG TO REGAL LOGO	SL 09/10/2015	AB
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS
1	REDRAWN	RM 11/20/1990	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

Regal Beloit America, Inc.

TITLE CONNECTION DIAGRAM
3ø – DUAL VOLTAGE MOTOR

MAT'L.
FINISH
CAD FILE ee7308
RFP
DIST WP

DRAWN RM	11/20/1990
CHK ML	11/21/1990
APPD SAS	04/24/2003
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7308 | PAGE OF | REV. 5