

PRODUCT INFORMATION PACKET

Model No: 254TTDX8338

Catalog No: H957

Other Purpose Motor, 15 HP, 3 Ph, 50 Hz, 190-200-208/380-400-415 V, 1500 RPM, 254T Frame, DP



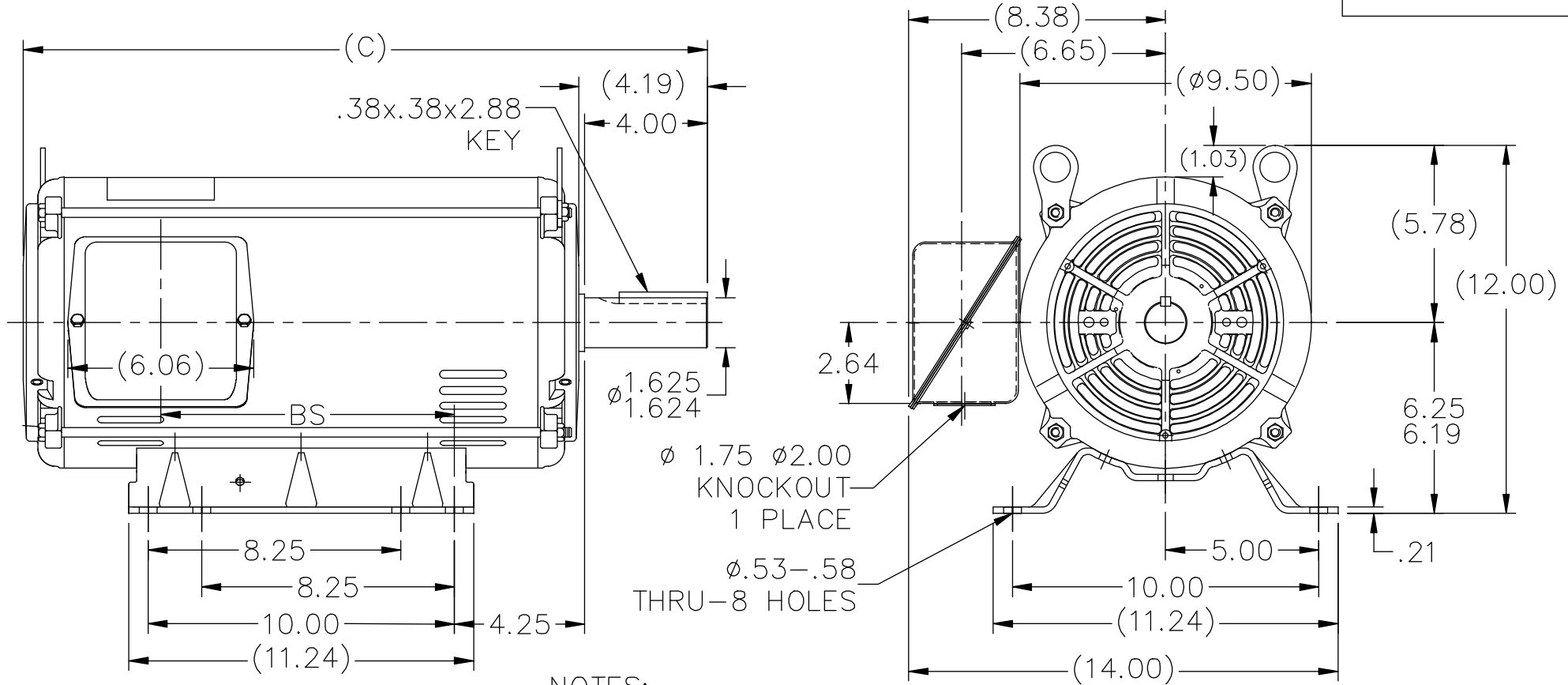
Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E

Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	50 Hz	Voltage	190-200-208/380-400-415 V
Current	46.0-44.0-44.0/23.0- A	Speed	1460 rpm
Service Factor	1.15	Phase	3
Efficiency	88.5 %	Power Factor	79
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	254T	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

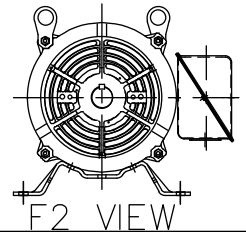
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.526 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	22.32 in
Frame Length	15.45 in	Shaft Diameter	1.625 in
Shaft Extension	4.19 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7308AA	Outline Drawing	A-SS86503-1545



NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)
4. F2 MOUNT -USES 2ND HOLE ON 1370 FRAME.



DASH	FR.	C	BS	MOUNTING
1370	254T	20.57	7.68	F1 OR F2
1545	254T/256T	22.32	9.43	F1 OR F2

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED
8	ADDED F2 VIEW	UD 11/13/13	GR		DEC. INCHES
7	UPDATED DRAWING	TJW 04/27/2007			
6	REDRAWN IN AUTOCAD	TAT 05-19-2005	ML	.X	±.1
5	UPDATED CONDUIT BOX CN 28427	TJB 01-31-2000		.XX	±.03
4	ADDED NOTE #4 FOR F2 MOUNT CN 24000-581	MH 06-10-1997		.XXX	±.005
3	DASH 1545 WAS FOR 256T FR. ONLY CN 18683	KL 09-12-1994		.XXXX	±.0005
					±7'30"



TITLE OUTLINE	250 FR. - BB - DR.PR.
MAT'L.	
FINISH	

DRAWN SMC 04-22-1993
CHK MOL 04-23-1993
APPD DRN 09-13-1993
SCALE 1=5
REF
FMF
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	
DIST LB	

CAD FILE	ss86503
----------	---------

SIZE	DRAWING NO.	PAGE	OF	REV.
A	SS86503			8



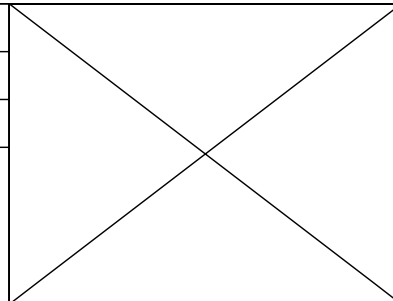
LOW VOLTAGE



HIGH VOLTAGE



DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.		



DRAWN BY LZ	Regal Beloit America, Inc.		
DATE 01-12-1994			
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS		
DATE 01-14-1994			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 254TTDX8338 AB
CONN. DIAGRAM: A-EE7308AA
OUTLINE: A-SS86503-1545

WINDING#: K2154286 NONE 1
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15	11.2	1500	1460	254T	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	50	190-200- 208/380-400- 415	46-44-44/23- 22-22	PWS(LV ONLY) & YDRUN	CONTINUOU S	F3	1.15	40	3300

FULL LOAD EFF: 88.5	3/4 LOAD EFF: 90	1/2 LOAD EFF: 89.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 79	3/4 LOAD PF: 73.5	1/2 LOAD PF: 61.5	87.5	SQ CAGE IND RUN	15.2 / 7.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
53.5 LB-FT	214.7 / 107.4	93 LB-FT 174	116 LB-FT 217	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
66 dBA	76 dBA	1.4 LB-FT^2	80 LB-FT^2	15 SEC.	2	155 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6309	6208						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

*
N
O
T
E
S
*

INVERTER TORQUE: NONE
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

DATE: 06/23/2017 03:41:59 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/29/2017

254TTDX8338

Customer: _____



Submittal

Attention: _____

Data @ 415 V

Submitted by: FAREEDA DUDEKULA

Motor Load Data

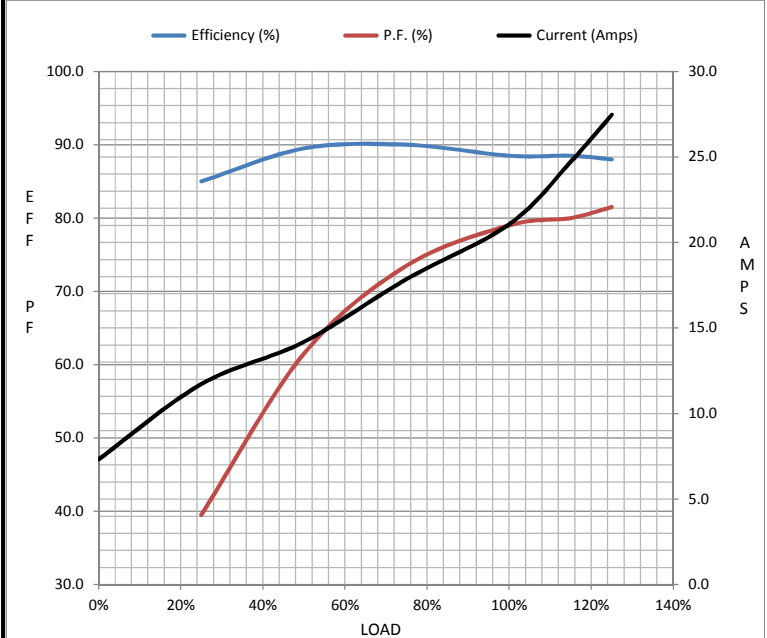
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.3	11.7	14.2	17.9	21.1	24.7	27.5	103	
Torque (ft-lb)	0.00	13.0	26.5	40.0	53.5	61.0	68.0	93.0	
RPM	1500	1490	1480	1470	1460	1,455	1445	0	
Efficiency (%)		85.0	89.5	90.0	88.5	88.5	88.0		
P.F. (%)	5.5	39.5	61.5	73.5	79.0	80.0	81.5	45.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	730	1350	1460	1500
Current (Amps)	103	93.1	64.1	21.1	7.3
Torque (ft-lb)	93.0	79.1	116	53.5	0.00

Information Block

HP	15.0			
Sync. RPM	1500			
Frame	254			
Enclosure	DP			
Construction	TDX			
Voltage	200-208/380-40(V)			
Frequency	50 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	65 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	1.40 Lb-Ft ²			
Ref Wdg	K2154286 NONE			
Sound Pressure @ 1M	66 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS86503-1545			
Conn. Diag	A-EE7308AA			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.3940	0.3230	1.1860	1.8160	23.6940



Speed -Torque Curve

