

PRODUCT INFORMATION PACKET

Model No: 182TTDBD6026

Catalog No: GT0010A

3 HP General Purpose Motor, 3 phase, 1800 RPM, 208-230/460 V, 182T Frame, ODP
Three Phase ODP Motors



Nameplate Specifications

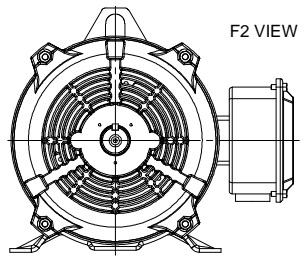
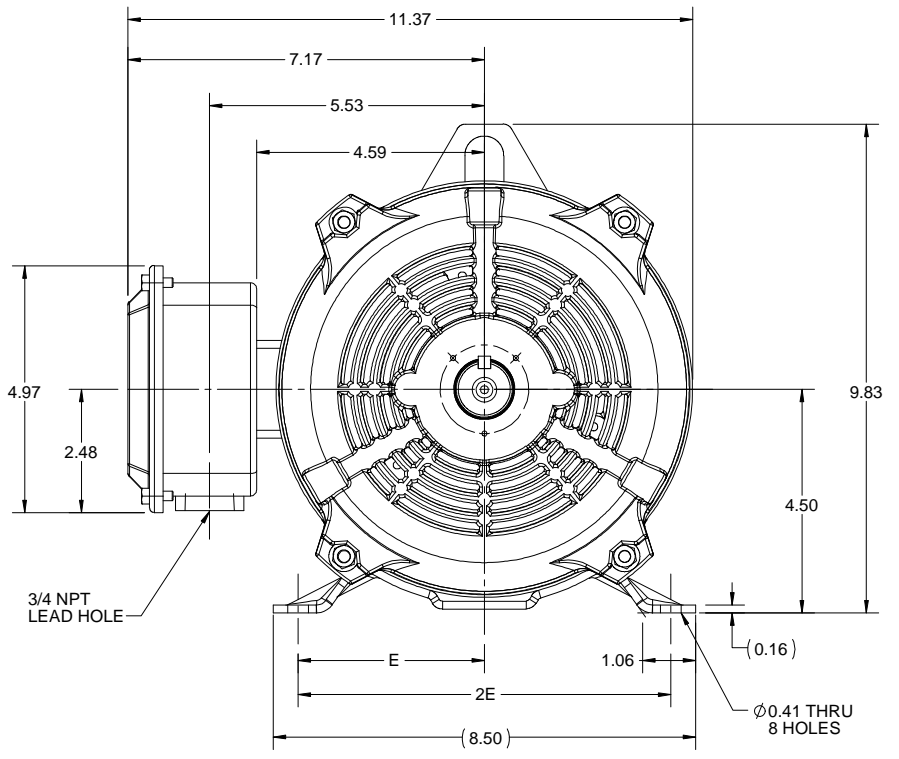
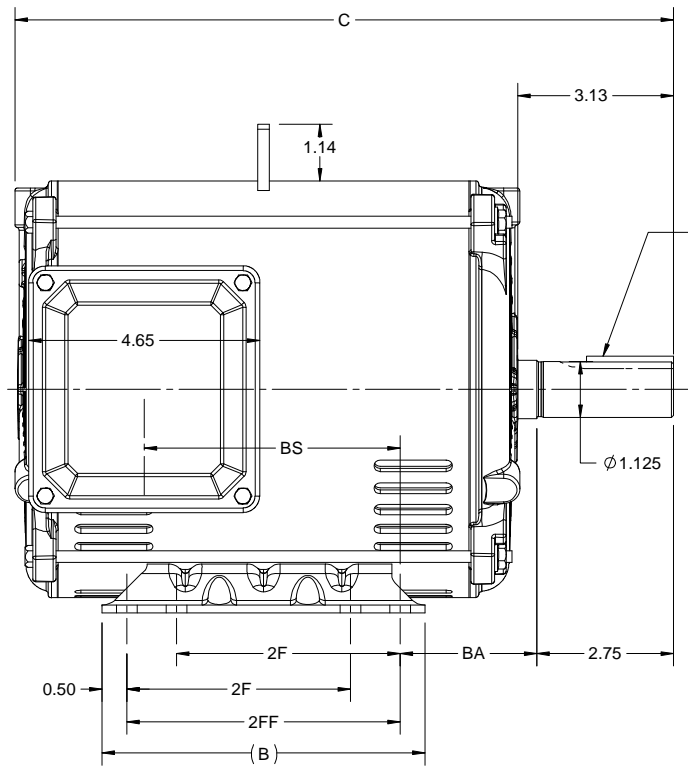
Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	8.6-8.0/4.0 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	77.5
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	L
Frame	182T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	4.12 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Shaft Diameter	1.125 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS600198-100	Connection Drawing	EE7308

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DASH NO.	4			3				2		1
	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	
100	6.50	12.25	3.75	7.50	4.50	5.50	2.75	4.15	F1 OR F2	182T
200		13.25						5.15		184T



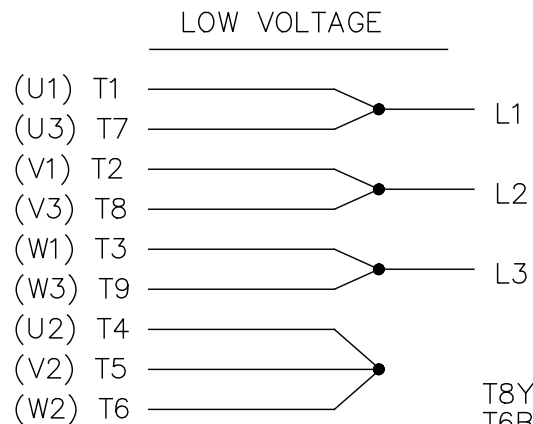
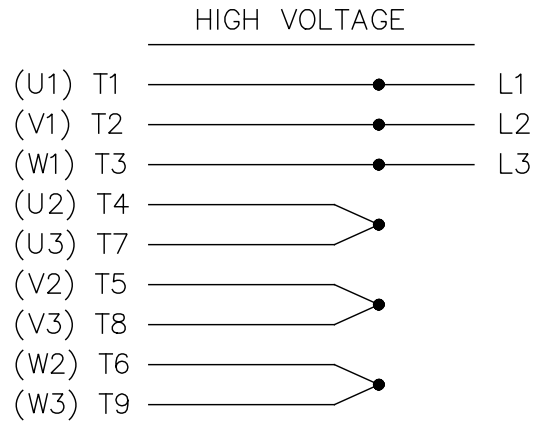
DRAWING REVISION E	REVISION BY ASHOK N	REV DATE/© DATE 19/11/2020
ECO ECO-0195163	APPROVED BY GNK	DATE 19/11/2020
ECO DESCRIPTION DRAWING UPDATED		
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DRAWN BY PRIYA	Regal Beloit America, Inc.
DATE 12/03/2018	
APPROVED BY SBD	DESCRIPTION OUTLINE 182/184T FR -NEMA-ODP RS
DATE 12/03/2018	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B
	DRAWING NUMBER SS600198
	SHEET 1 OF 1

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



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	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



Regal Beloit America, Inc.



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 WAUSAU, WI 54401-8003
 PH. 715-675-3311

CERTIFICATION DATA SHEET

DATA VOLTS: 460

CUSTOMER P.O. #:
 REFERENCE MODEL #: 182T1DBD026
 CAT #: GT0010A
 CUSTOMER PART #:
 MOUNTING: F/H2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	3	2.2	1800	1770	182T	DP	TDB	L	A			
FL EFF	89.5	3/4 LD EFF	89.5	LINE OR INVERTER	DUTY	CONT	INSL	S.F.	AMB	ELEV.			
FL PF	77.5	3/4 LD PF	70.0	1/2 LD EFF	88.0	GTD EFF	F	1.15	40	3300			
LR AMPS @ 480 V	35.0	200-230/460V/180/380	8.8-8/4&8 8/3.4	1/2 LD PF	57.0	89.5	SO CAGE INV RATED						
FL TORQUE	9.0 LB-FT	LR AMPS @ 480 V	20.0	LR TORQUE	222%	29.0 LB-FT	322%	F.L.RISE (°C)	35				
SOUND PRESSURE @ 3 FT.	61 DBA	POWER	0.40 LB-FT ²	MAX. LOAD WK ⁴	20 LB-FT ²	SAFE STALL TIME	20 SEC.	STARTS/HOUR	2	APROX. MOTOR WGT			
DE BRACKET TYPE	STANDARD	ROTOR WK	20	SEVERE DUTY	NO	HAZARDOUS LOCATION	NONE	DRIP COVER	YES	SCREENS	NONE	PAINT	BLUE (ENAMEL)
BEARINGS	DE CODE	SHAFT TYPE	T	SPECIAL DE	NONE	SPECIAL ODE	NONE	SHAFT MATERIAL	1045 HOT ROLLED (C-204)	FRAME MATERIAL	ROLLED STEEL		
DE BALL	6203	PROTECTORS	NOT	BRG RTD's	NONE	THERMISTORS	NONE	CONTROL	FALSE	SPACE HEATERS	NA		
RT (ohms/ph)	2.334	WDS RTD's	NONE	BRG RTD's	NONE	Xm (ohms/ph)	118.125	VIBRATION (in/sec)	0.150	FLOAT ODE			
R1 (ohms/ph)	1.37	X1 (ohms/ph)	5.387	X2 (ohms/ph)	5.387	Xm (ohms/ph)	118.125	VIBRATION (in/sec)	0.150	FLOAT ODE			

*** SUPPLEMENTAL INFORMATION ***

INVERTER TORQUE:	CONSTANT 21/VARIABLE 10:1
INV. HP SPEED RANGE:	NONE
ENCODER:	NONE
BRAKE:	NONE
FT-LB:	NA
VOLTAGE:	NONE
UL: V - DIMENS/CONST UL REC	NONE

FORM 3351 REV 4 227/06

PREPARED BY: VINAIAK VERATE
 DATE: 9/22/2020

Data Sheet

182TDBD6026



Submital
Data @ 460 V

Date: 9/20/2020

Customer:

Attention:

Submitted by:

VINAYAK VERATE

Motor Load Data

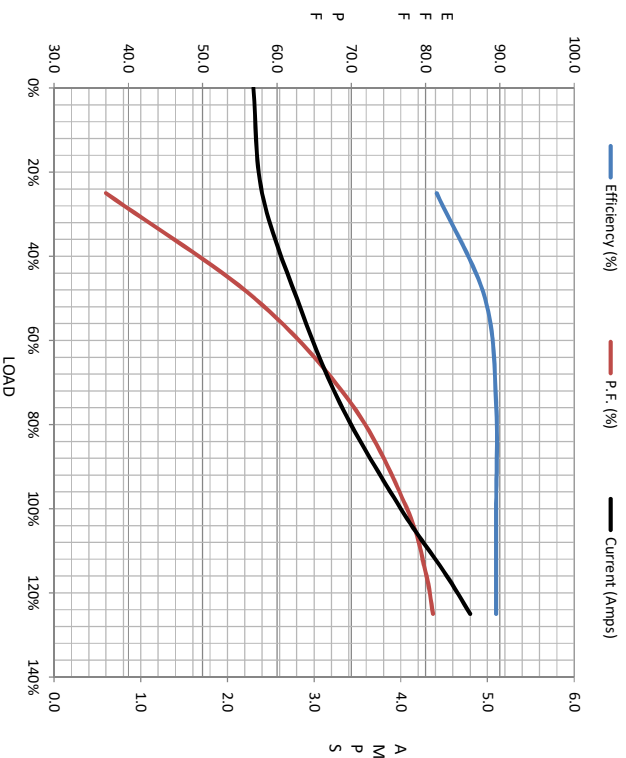
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.30	2.40	2.80	3.3	4.0	4.5	4.8	35.0
Torque (ft-lb)	0.00	2.20	4.4	6.7	9.0	10.3	11.3	20.0
RPM	1800	1790	1785	1776	1770	1,762	1760	0
P.F. (%)	7.2	81.5	88.0	89.5	89.5	89.5	89.5	48.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1550	1770	1800
Current (Amps)	35.0	30.0	18.0	4.0	2.30
Torque (ft-lb)	20.0	17.0	29.0	9.0	0.00

Information Block

HP	3.0			
Sync. RPM	1800			
Frame	182			
Enclosure	DP			
Construction	TDB			
Voltage	208-230/400#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	35 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	0.40 Lb-Ft ²			
Ref Wdg	HA31124028 NONE			
Sound Pressure @ 1M	61 dBA			
VFD Rating	CONSTANT 2:1/VARIABLE 10:1			
Outline Dwg	SS600198-182T			
Conn. Diag	EE7308			
Additional Specifications:				
0				
0				
	EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	X2	Xm
2.3340	1.3700	5.3870	5.3870	118.1250



Speed - Torque Curve

