

# PRODUCT INFORMATION PACKET

Model No: 182TTTS6578  
Catalog No: E465  
1 1/2, 1200, TENV, 182T, 3/60/230/460  
Severe Duty



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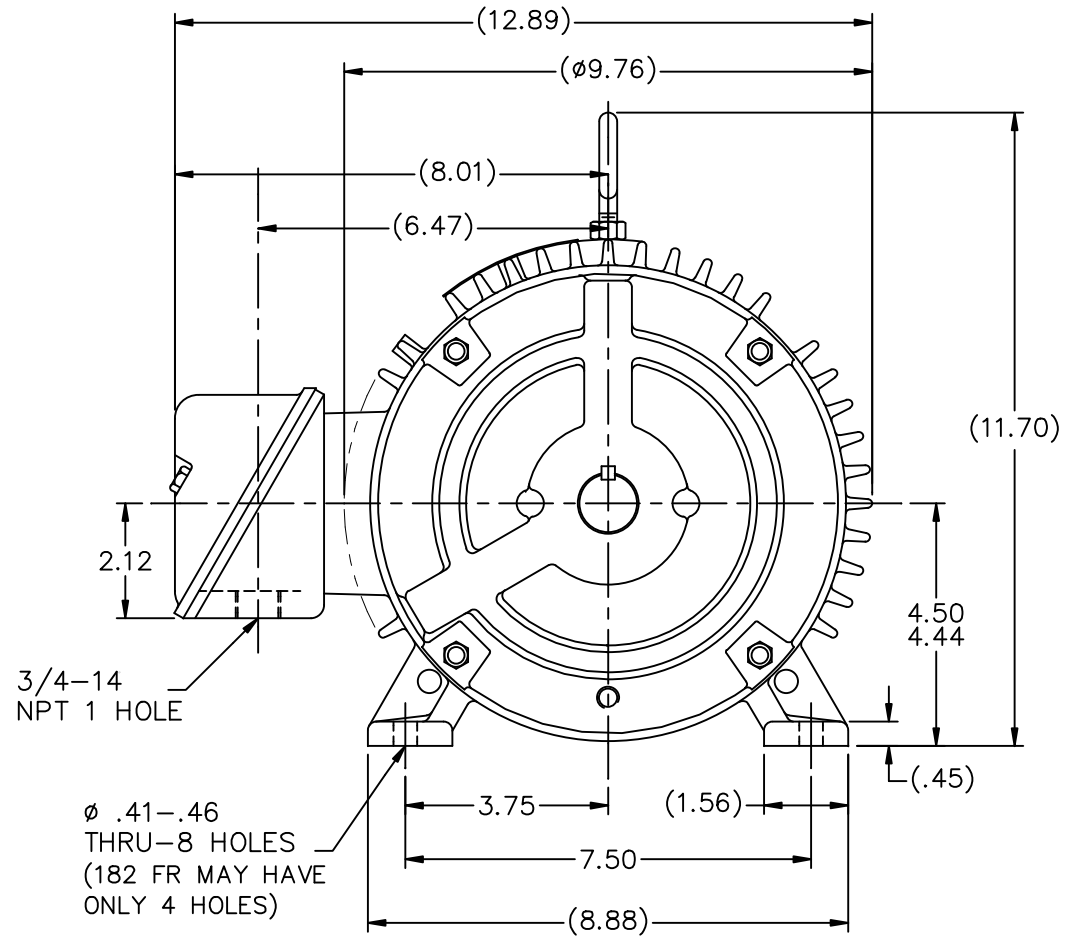
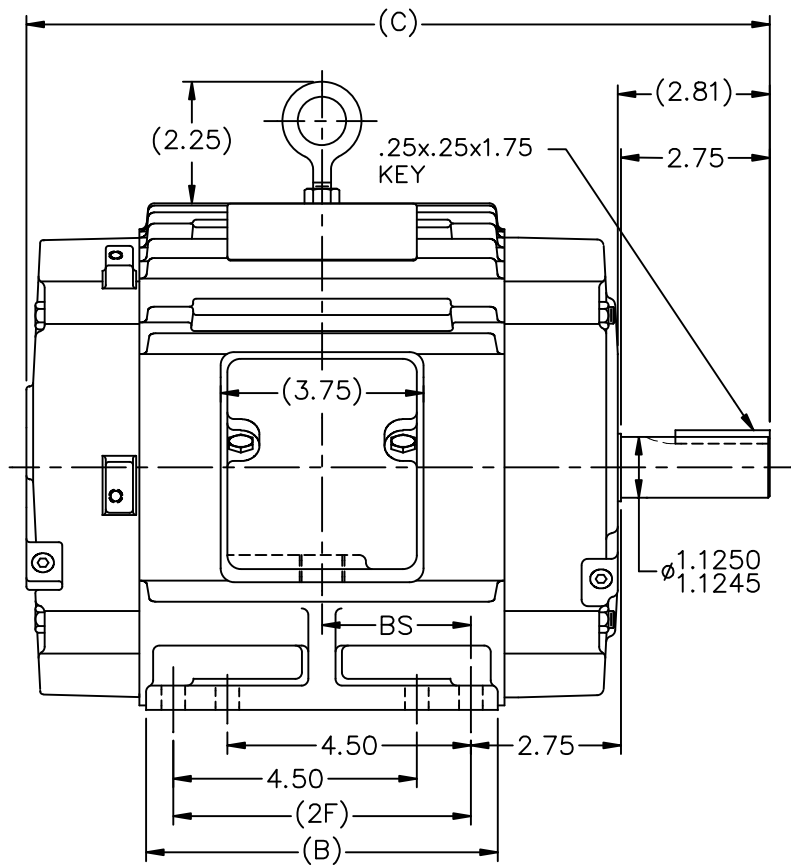
### Nameplate Specifications

Output HP	<b>1.50 Hp</b>	Output KW	<b>1.1 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>4.4/2.2 A</b>	Speed	<b>1175 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>87.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>L</b>	Frame	<b>182T</b>
Enclosure	<b>Totally Enclosed Non Ventilated</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6206</b>
Opp Drive End Bearing Size	<b>6205</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>54</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Cast Iron</b>	Shaft Type	<b>T</b>
Overall Length	<b>12.74 in</b>	Frame Length	<b>5.75 in</b>
Shaft Diameter	<b>1.125 in</b>	Shaft Extension	<b>2.81 in</b>
Assembly/Box Mounting	<b>F1/F2 Capable</b>		
Outline Drawing	<b>A-SS67889-575</b>	Connection Diagram	<b>A-EE7308</b>

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DASH	FR.	C	B	2F	BS	MOUNTING
575	182T	12.74	5.50	4.50	2.25	F1 OR F2
675	182/4T	13.74	6.50	5.50	2.75	F1 OR F2
800	182/4T	14.99	7.75	5.50	3.38	F1 ONLY

NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

NO.	REVISION	BY & DATE	CHK	ANG	±7'30"
10	REVISED -575 MOUNTING MU98218	SJW 11/9/2010			
9	SHAFT EXT. WAS 2.72 NOW 2.75 CN46656	RJW 03-15-2007	ML	DEC.	INCHES
8	ADDED 2F DIMENSION TO DASH 575 CN 33528	TAT 04-01-2004	ML	.X	±.1
7	SHOWED PROPER THREAD EXT. LOC. CN 29200-323	TJB 04-10-2000		.XX	±.03
6	ADDED -675 W/ 182T FRAME & MTGS. CN 27400-320	CAE 01-17-2000		.XXX	±.005
5	ADDED FOUR MOUNTING HOLES IN BASE CN 26348	DRS 08-11-1998		.XXXX	±.0005

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

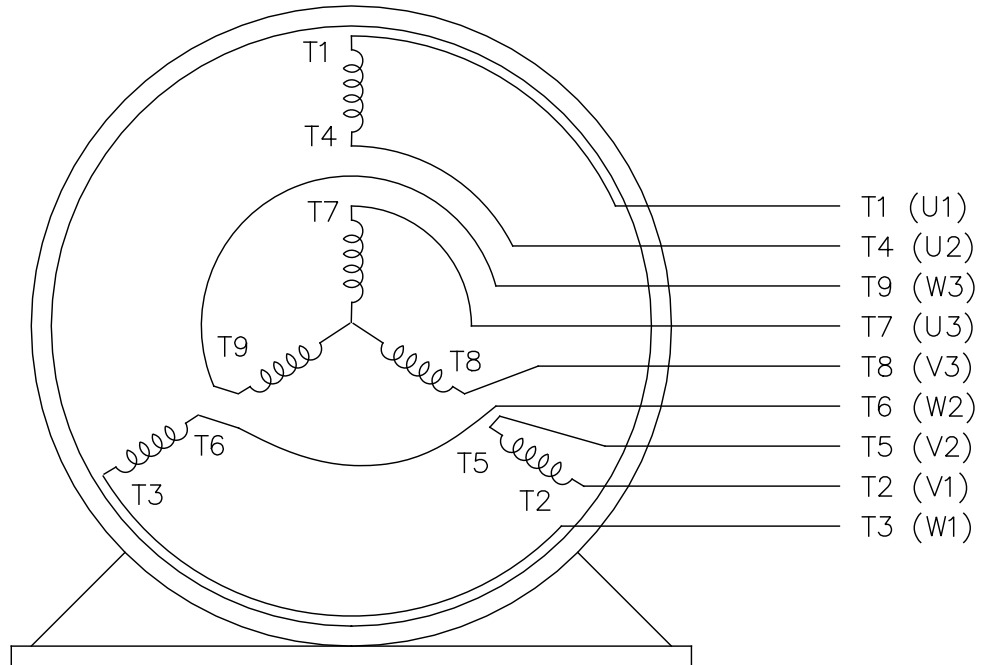


TITLE OUTLINE	180 FR. - BB - TS - TENV
MAT'L.	
FINISH	
CAD FILE	ss67889
SIZE	A
DRAWING NO.	SS67889
PAGE	OF
REV.	10

DRAWN	SMC 10-01-1992
CHK	MOL 10-01-1992
APPD	GK 10-01-1992
SCALE	9=32
REF	
FMF	
PREV	

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			SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			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	REV. 5
							DIST WP					



Regal Beloit America, Inc.

REGAL™  
3Ø - DUAL VOLTAGE MOTOR

CERTIFICATION DATA SHEET

Model#: 182TTTS6578 BR WINDING#: K182644 NONE 1  
 CONN. DIAGRAM: A-EE7308 ASSEMBLY: F1/F2 CAPABLE  
 OUTLINE: A-SS67889-575

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	1200	1175	182T	TENV	L	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	4.4/2.2	LINE OR INVERTER	CONTINUOUS	F3	1.15	40	3300

FULL LOAD EFF: 87.5	3/4 LOAD EFF: 87.5	1/2 LOAD EFF: 86.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 71.5	3/4 LOAD PF: 64	1/2 LOAD PF: 52	85.5	SQ CAGE INV RATED	2.6 / 1.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.8 LB-FT	34 / 17	13.4 LB-FT 197	24.4 LB-FT 359	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.38 LB-FT^2	32 LB-FT^2	25 SEC.	2	85 LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	CAST IRON
6206	6205						

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: CONSTANT 20:1
INV. HP SPEED RANGE: 1.5 X BASE SPEED
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/27/2017 03:54:01 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

Data Sheet

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



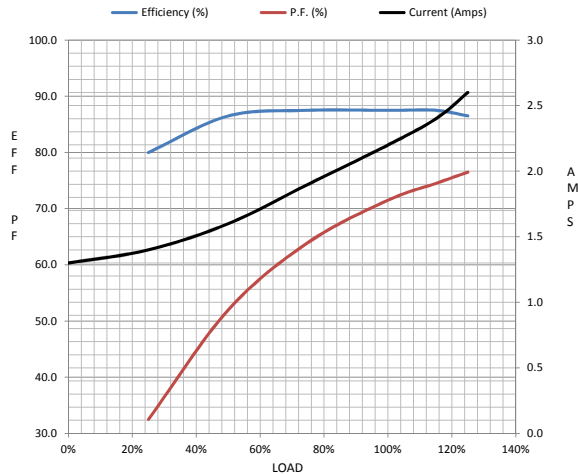
182TTTS6578

Submittal

Data @ 460 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.30	1.40	1.60	1.90	2.20	2.40	2.60	17.0	
Torque (ft-lb)	0.00	1.70	3.4	5.2	6.8	7.8	8.5	13.4	
RPM	1200	1195	1188	1182	1175	1,172	1168	0	
Efficiency (%)		80.0	86.5	87.5	87.5	87.5	86.5		
P.F. (%)	6.0	32.5	52.0	64.0	71.5	74.5	76.5	45.0	

Motor Speed Data						Information Block	
	LR	Pull-Up	BD	Rated	Idle		
Speed (RPM)	0	600	1050	1175	1200	HP	1.5
Current (Amps)	17.0	15.0	8.2	2.20	1.30	Sync. RPM	1200
Torque (ft-lb)	13.4	11.8	24.4	6.8	0.00	Frame	182
						Enclosure	TENV
						Construction	TTS
						Voltage	230/460 V
						Frequency	60 Hz
						Design	B
						LR Code letter	L
						Service Factor	1.15
						Temp Rise @ FL	50 ° C
						Duty	CONT
						Ambient	40 ° C
						Elevation	1,000 feet
						Rotor/Shaft wk²	0.38 Lb-Ft²
						Ref Wdg	K182644 NONE
						Sound Pressure @ 1M	60 dBA
						VFD Rating	CONSTANT 20:1
						Outline Dwg	A-SS67889-575
						Conn. Diag	A-EE7308



HP	1.5			
Sync. RPM	1200			
Frame	182			
Enclosure	TENV			
Construction	TTS			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	50 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.38 Lb-Ft²			
Ref Wdg	K182644 NONE			
Sound Pressure @ 1M	60 dBA			
VFD Rating	CONSTANT 20:1			
Outline Dwg	A-SS67889-575			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.3200	0.7140	3.0040	3.3720	44.6990

