PRODUCT INFORMATION PACKET



Model No: 182TTTS6505
Catalog No: E853
3 HP Severe Duty Motor, 3 phase, 3600 RPM, 575 V, 182T Frame, TENV
Severe Duty Motors



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Nameplate Specifications

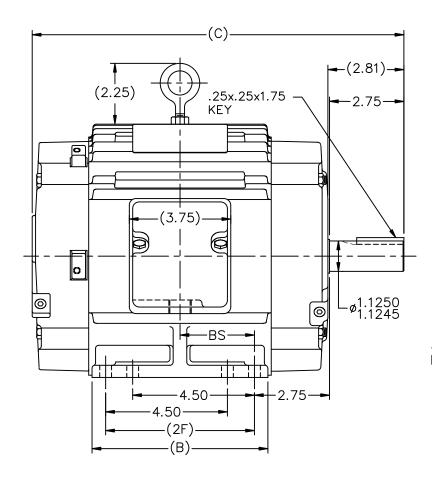
Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	575 V
Current	3.1 A	Speed	3525 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	κ
Frame	182T	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Υ
CE	Υ	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	3.59 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	12.74 in
Frame Length	5.75 in	Shaft Diameter	1.125 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	A-SS67889-575	Connection Drawing	A-EE7300

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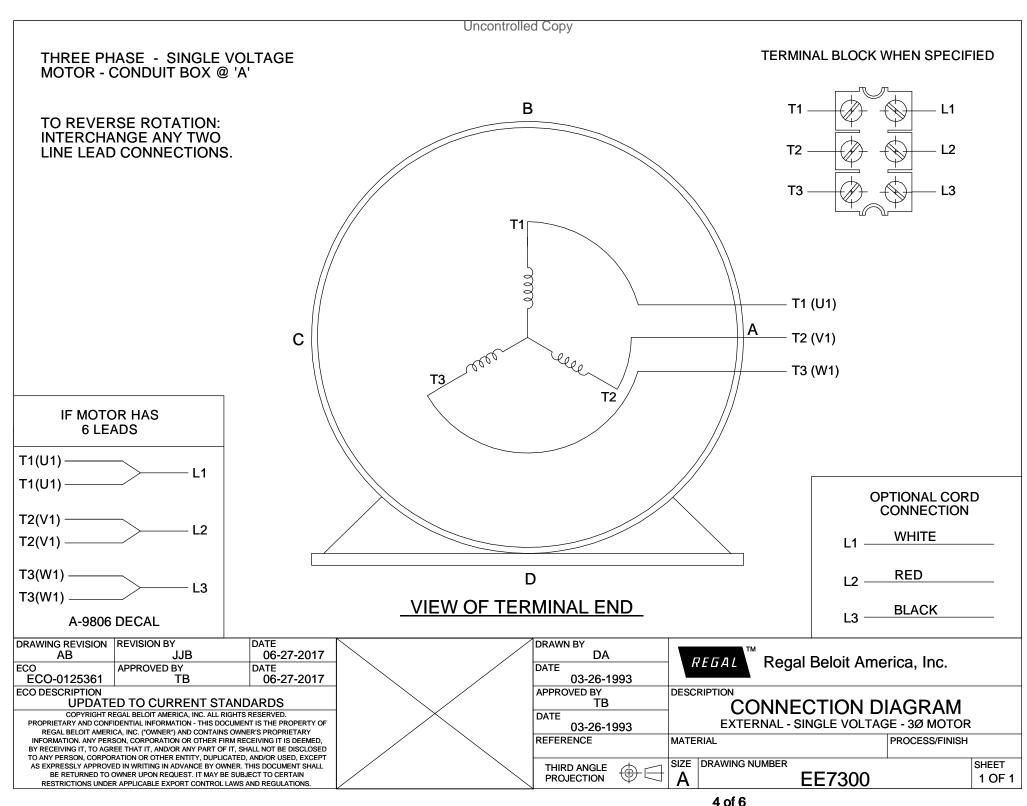
MPT 1 HOLE Ø .4146 THRU-8 HOLES (182 FR MAY HAVE ONLY 4 HOLES) 7.50	(12.89)	
(6.47) 2.12 3/4-14 NPT 1 HOLE Ø .4146 THRU-8 HOLES (182 FR MAY HAVE (182 FR MAY HAVE (182 FR MAY HAVE	(ø9.76)	
(8.88)——————————————————————————————————	2.12 3/4-14 NPT 1 HOLE Ø .4146 THRU-8 HOLES (182 FR MAY HAVE (182 FR MAY HAVE	4.50 4.44

DASH	FR.	С	В	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
1- ²⁰⁰ 800	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.

1	0	REVISED -575 MOUNTING MU98218	SJW 11/9/2010		TOL UNLES	ERANCES S SPECIFIED		ىار	7	DRAWN	SMC 10-01	1-1992
9	9	SHAFT EXT. WAS 2.72 NOW 2.75 CN46656	RJW 03-15-2007	ML	DEC.	INCHES				снк	MOL 10-01	1-1992
8	3	ADDED 2F DIMENSION TO DASH 575 CN 33528	TAT 04-01-2004	ML	.x	±.1				APPD	GK 10-01	-1992
7	7	SHOWED PROPER THREAD EXT. LOC. CN 29200-323	TJB 04-10-2000		.xx	±.03	TITLE OUTLINE			SCALE	9=32	2
6	5	ADDED -675 W/ 182T FRAME & MTGS. CN 27400-320	CAE 01-17-2000		.xxx	±.005	180 FR. – BB – TS – TENV			REF		
5	5	ADDED FOUR MOUNTING HOLES IN BASE CN 26348	DRS 08-11-1998		.xxxx	±.0005	MAT'L.			FMF		
N	10.	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH			PREV		
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT						CAD FILE ss67889	SIZE	DRAWING NO			REV.
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVE THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT				DIST LB A			SS	6788	9	10	



CERTIFICATION DATA SHEET

 Model#:
 182TTTS6505 BB
 WINDING#:
 182258 TS 5

 CONN. DIAGRAM:
 A-EE7300
 ASSEMBLY:
 F1/F2 CAPABLE

OUTLINE: A-SS67889-575

TYPICAL MOTOR PERFORMANCE DATA

L	HP	KW	'	SYN	C. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KV	A CODE	DESIGN
	3	2.24	3600		3525	182T	TEN	V	K		В	
	PH	Hz	VOL	.TS	FL AMPS	START TYPE	DUTY	INSL	s.	F	AMB°C	ELEVATION
ſ	3	60	57	5	3.1	LINE OR	CONTINUOU	F3	1.1	15	40	3300
L						INVERTER	S					

FULL LOAD EFF: 89.5	3/4 LOAD EFF: 88.5	1/2 LOAD EFF: 85.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85	3/4 LOAD PF: 77	1/2 LOAD PF: 65.5	87.5	SQ CAGE INV RATED	1.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	23.2	9 LB-FT 200	15.8 LB-FT 351	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	0.23 LB-FT^2	4 LB-FT^2	15 SEC.	2	80 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

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

	THERMO-PF	ROTECTORS	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

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

N O T E S

> DATE: 06/27/2017 03:50:25 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.

