

PRODUCT INFORMATION PACKET



Model No: 182TTGN18005

Catalog No: 182TTGN18005

Explosion Proof Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 220/400 V, 3600 & 3000 RPM,
182TCZ Frame, EPFC

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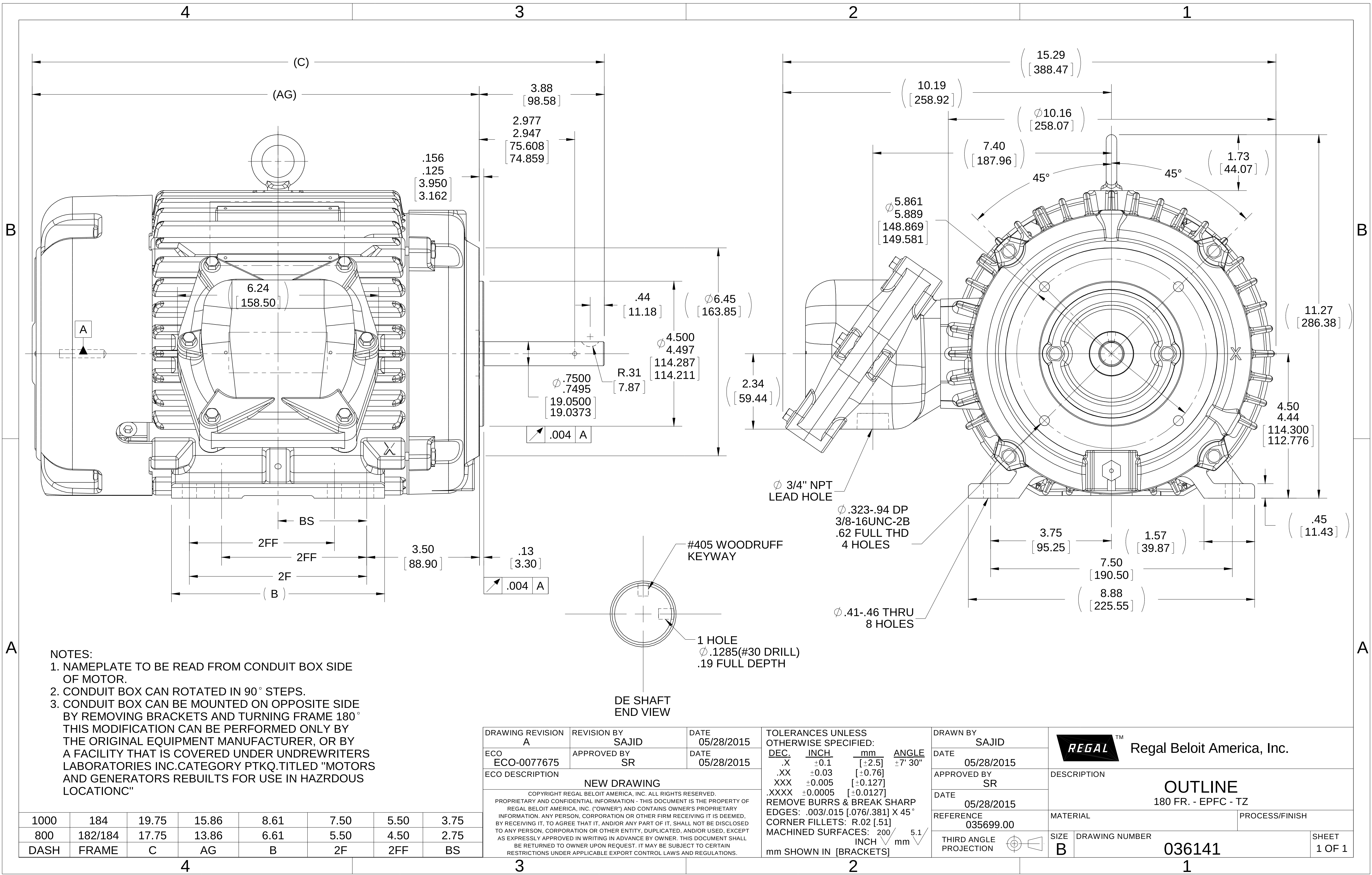
Nameplate Specifications

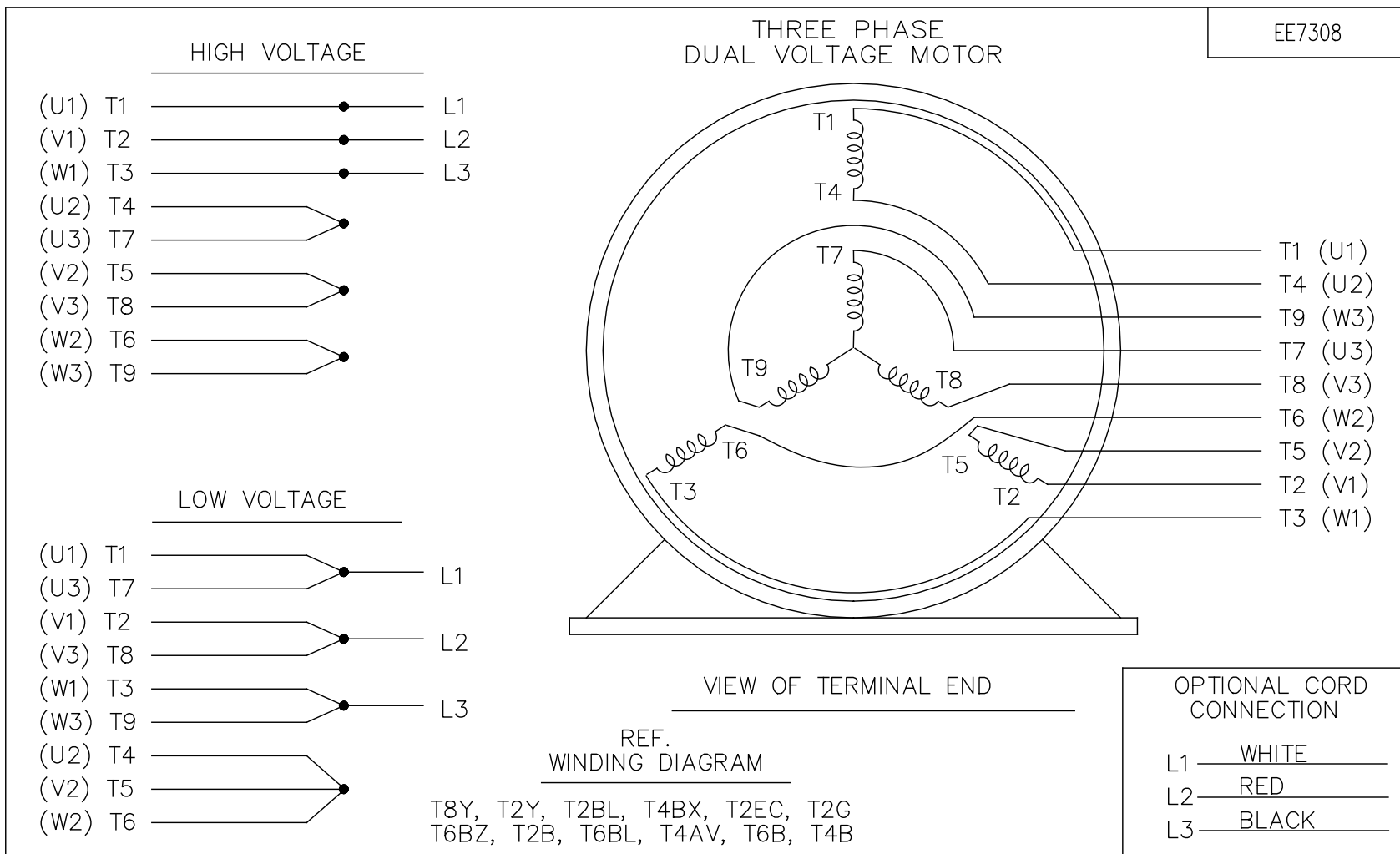
Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 220/400 V
Speed	3525 & 2940 rpm	Service Factor	1.0 & 1.0
Frame	182TCZ	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	87.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	7.6/3.8 & 6.6/3.2 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	N
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR D T2A

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	3.56 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Single Special Extension	Shaft Diameter	0.750 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	036141-800	Connection Drawing	EE7308

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				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RM 11/20/1990	
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML 11/21/1990	
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1	TITLE CONNECTION DIAGRAM 3Ø – DUAL VOLTAGE MOTOR MAT'L. FINISH	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		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV	
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