

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTTS6001

Catalog No: E216

XRI® General Purpose General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
3600 & 3000 RPM, 182T Frame, TENV



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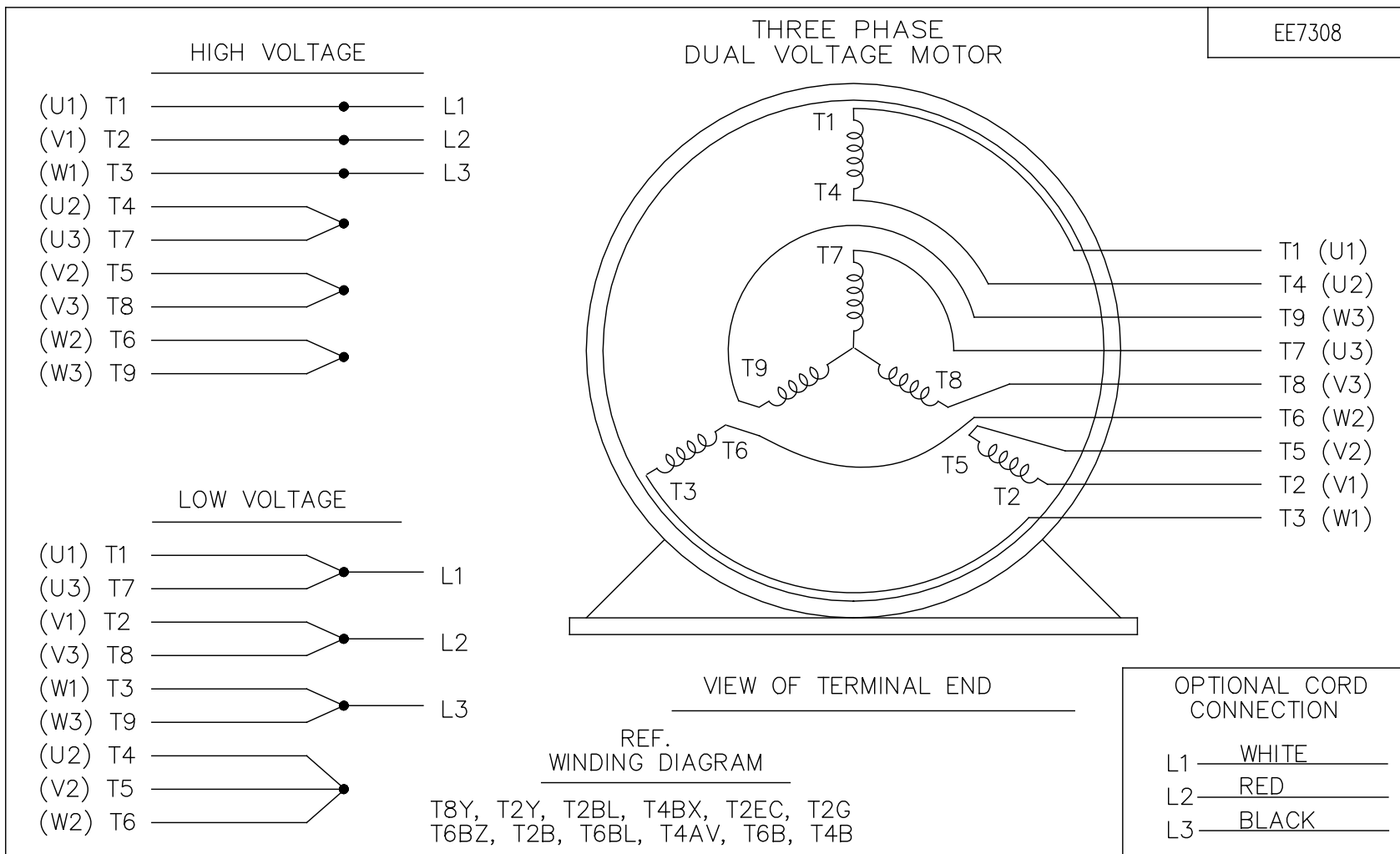
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	3525 & 2935 rpm	Service Factor	1.15 & 1.15
Frame	182T	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	89.5 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	7.6/3.8 & 6.4/3.2 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
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	T	Overall Length	12.71 in
Frame Length	5.75 in	Shaft Diameter	1.125 in
Shaft Extension	2.78 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	A-SS68316-575	Connection Drawing	A-EE7308



				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		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				
NO.	REVISION	BY & DATE	CHK	ANG	±7"30"	FINISH	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	DRAWING NO.	PAGE	OF	REV.
			DIST WP				A	EE7308			5

CERTIFICATION DATA SHEET

Model#: 182TTTS6001 AB

WINDING#: 182258 TS 6

CONN. DIAGRAM: A-EE7308

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: A-SS68316-575

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&2	2.24&1.49	3600	3525&2935	182T	TENV	K	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	7.6/3.8&6.4/3. 2	ACROSS THE LINE	CONTINUOU S	F3	1.15/1.15	40	3300

FULL LOAD EFF: 89.5&88.5	3/4 LOAD EFF: 88.5	1/2 LOAD EFF: 85.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85&82	3/4 LOAD PF: 77	1/2 LOAD PF: 65.5	87.5	SQ CAGE IND RUN	3.4 / 1.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	58 / 29	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 BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

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

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

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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: 06/27/2017 03:47:09 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 6/19/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



182TTS6001

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.70	1.90	2.40	3.0	3.8	4.2	4.6	29.0	
Torque (ft-lb)	0.00	1.10	2.20	3.3	4.5	5.2	5.6	9.0	
RPM	3600	3582	3562	3544	3525	3,505	3490	0	
Efficiency (%)		78.0	85.5	88.5	89.5	87.5	87.5		
P.F. (%)	6.5	43.0	65.5	77.0	85.0	85.5	86.5	39.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block				
Speed (RPM)	0	1800	3115	3525	3600	HP		3.0		
Current (Amps)	29.0	26.0	18.0	3.8	1.70	Sync. RPM		3600		
Torque (ft-lb)	9.0	6.8	15.8	4.5	0.00	Frame		182		
— Efficiency (%) — P.F. (%) — Current (Amps) EFFICIENCY (%) P.F. (%) CURRENT (AMPS) LOAD						Enclosure		TENV		
						Construction		TTS		
						Voltage		30/460#190/3Ø V		
						Frequency		60 Hz		
						Design		B		
						LR Code letter		K		
						Service Factor		1.15		
						Temp Rise @ FL		65 ° C		
						Duty		CONT		
						Ambient		40 ° C		
						Elevation		1,000 feet		
						Rotor/Shaft wk ²		0.23 Lb-Ft ²		
						Ref Wdg		182258 TS		
						Sound Pressure @ 1M		65 dBA		
						VFD Rating		NONE		
						Outline Dwg		A-SS68316-575		
						Conn. Diag		A-EE7308		
Additional Specifications:										
0										
0										
						EQUIV CKT (OHMS / PHASE)				
						R1	R2	X1	X2	Xm
						1.7780	2.0150	7.3220	2.4500	167.4420

Speed -Torque Curve

