## PRODUCT INFORMATION PACKET

Model No: 286TTDBD6035

Catalog No: GT2167

General Purpose Motors, Drip Proof, 30 HP, 3 Ph, 60 Hz, 575 V, 1775 RPM, 286TC



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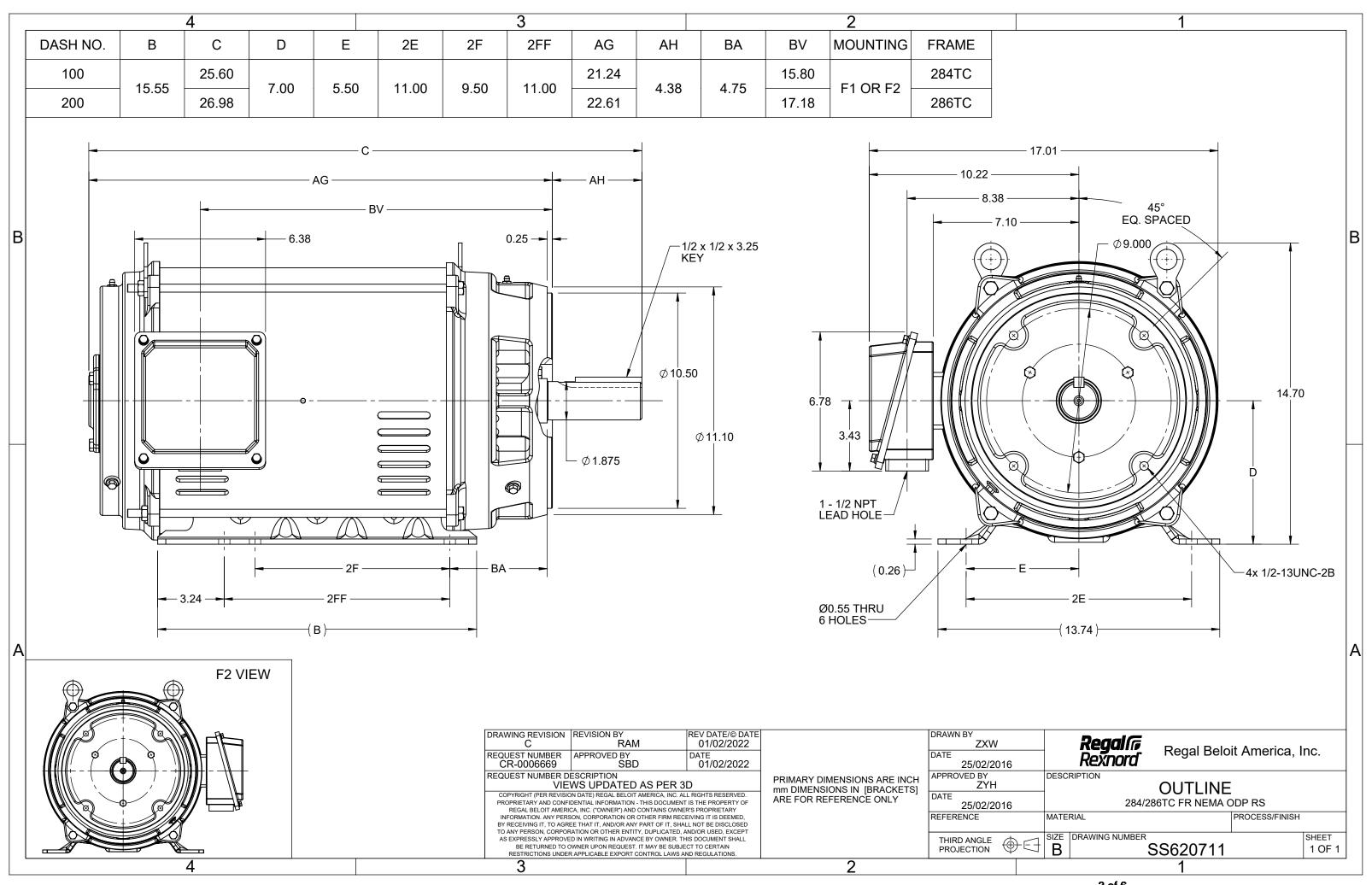
## Nameplate Specifications

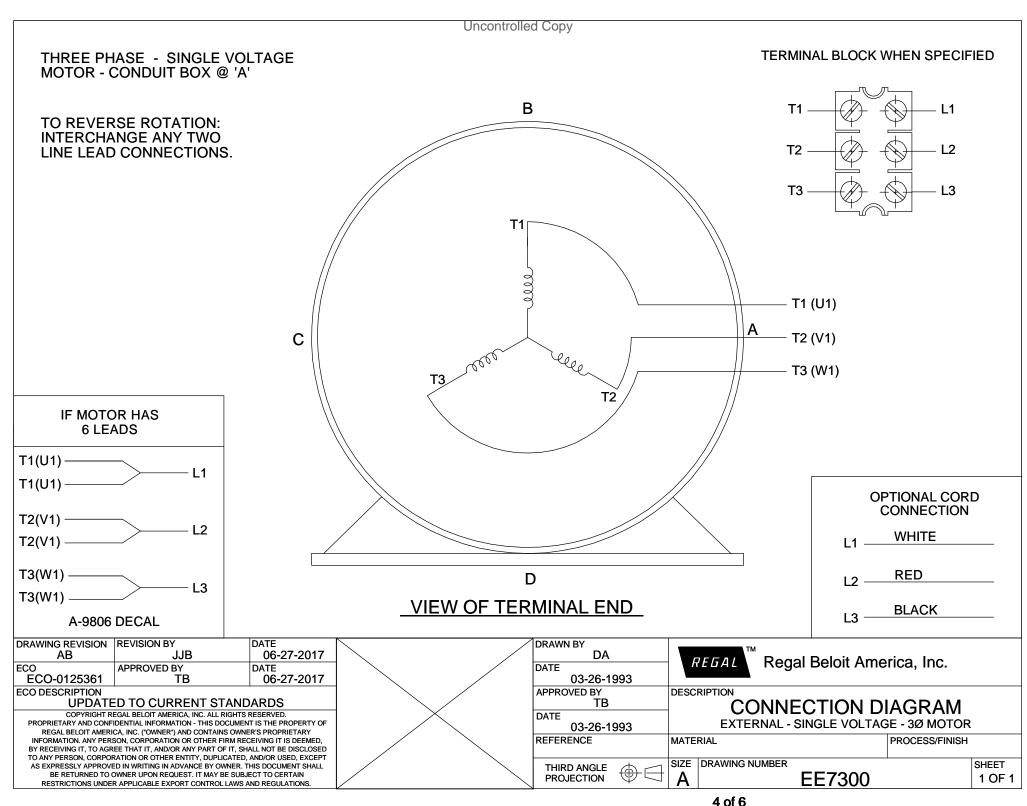
Output HP	30 Hp	Output KW	22.4 kW	
Frequency	60 Hz	Voltage	575 V	
Current	29.2 A	Speed	1775 rpm	
Service Factor	1.15	Phase	3	
Efficiency	94.1 %	Power Factor	82	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	G	
Frame	286TC	Enclosure	Drip Proof	
Thermal Protection	No	Ambient Temperature	40 °C	
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210	
UL	Recognized	CSA	Υ	
CE	Υ	IP Code	22	
Number of Speeds	1			

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.289 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Т	Shaft Diameter	1.875 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	EE7300	Outline Drawing	SS620711-200

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				ma	ara	athon® Motors		DAT	PH. 715-6	WI 54401-8003		
					CE	RTIFICATION DATA S	HEET					
CUSTOME	ER:			_			сиѕто	MER P.O. #:				
ORDER#		EE7200				F	REFERENC		286TTDBD			
		SS620711					CUSTOM			G12167		
		HA31804015	NONE	4				MOUNTING:	F1/F2 CAP	ABLE		
SPEED:				7	TYPICAL	MOTOR PERFORMA	NCE DA	ATA				
HP	KW	SYNC RPM	FL	. RPM		FRAME	ENCL	OSURE	TYPE	KVA CODE		DESIGN
30	22.4	1800		1775		286TC		DP	TDB	G		В
PH	HZ	VOLTS	Α	MPS		START TYPE	D	UTY	INSL	S.F.	AMB	ELEV.
3	60	575		29.2	ı	INE OR INVERTER	С	TNC	F	1.15	40	3300
-	FI FFF	0.11	3/4 I D EFE	0/1	1	1/2 I D EFE	93.6	GTD FFF		FLECT	TVPF	
				77.0		1/2 LD PF	66.0	93.6				
		1										
			460 V	173								
SOUND		SOUND POWER	ROT	OR WK²		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME		STARTS/HOUR	APROX.	MOTOR WGT
75	dBA	84 dBA	4.8	LB-FT <sup>2</sup>	175		20	SEC.		2		
	CERTIFICATION DATA SHEET											
							HAZA					
									_		B	
	017102	0171107110	111015	11011120				J.112	120	HONE		LOE (EN INEE)
		GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	AL ODE	SHA	FT MATERIAL	FR	AME MATERIAL
		POLYREX EM		Т	NONE		NONE		1045 HOT ROLLED (C-204)		ROLLED STEEL	
		!										
THE	RMOSTATS	PROTECTORS	WD	RTD's		BRG RTD's	THER	<b>MISTORS</b>		CONTROL	SPAC	CE HEATERS
												NA
P4	(-b(-b)	D0 (-h(-h)	W4.6-	h (		V0 (-b(-b)	V (-	h ( h-)		IDDATION (In In In In	ı	FLOAT
									v			
					•						•	
N O							II				10:1	
SPEED:												
								NONE			NONE	PPR
CONN. DIAGRAM:   SE7300   SS620711   SS620												
1	FT.   SOUND   POWER   ROTOR WK'   MAX. LOAI								NE			
1							VOLTAGE: NONE HZ:					
FORM: 35	531 REV_4	2/27/06					UL:	V - LI,ME-INS	CONST UL	_ REC		

				I	Data Shee	t						
Date: 12/24/2020			_		286TTDBD6035							
Customer:				mai	ıaτ	hon	®			•		
Attention:									Submittal			
Submitted by:						1-101013	,	Data @ 575		v		
-	Motor Load Data											
Load	0%	25%	50%	75%	100%	115%	125%	LR				
Current (Amps)	12.4	14.0	18.0	23.2	29.2	32.8	35.6	180				
Torque (ft-lb)	0.00	22.0	44.0	66.5	88.8	102	111	173				
RPM	1800	1795	1788	1780	1775	1,770	1765	0				
Efficiency (%)		90.2	93.6	94.1	94.1	94.1	93.6					
P.F. (%)	4.5	44.0	66.0	77.0	82.0	83.0	84.0	38.0				
		Motor Speed D	ata							_		
	LR	Pull-Up	BD	Rated	ldle							
Speed (RPM)	0	900	1645	1775	1800		Info	ormation Block				
Current (Amps)	180	142	104	29.2	12.4	HP 30.0						
Torque (ft-lb)	173	150	235	88.8	0.00	Sync. RPM		1800				
						Frame		286				
— Effi	iciency (%)	— P.F. (%)		Current (Amps)		Enclosure		DP				
100.0					— 40 O	Construction		TDB				

