PRODUCT INFORMATION PACKET

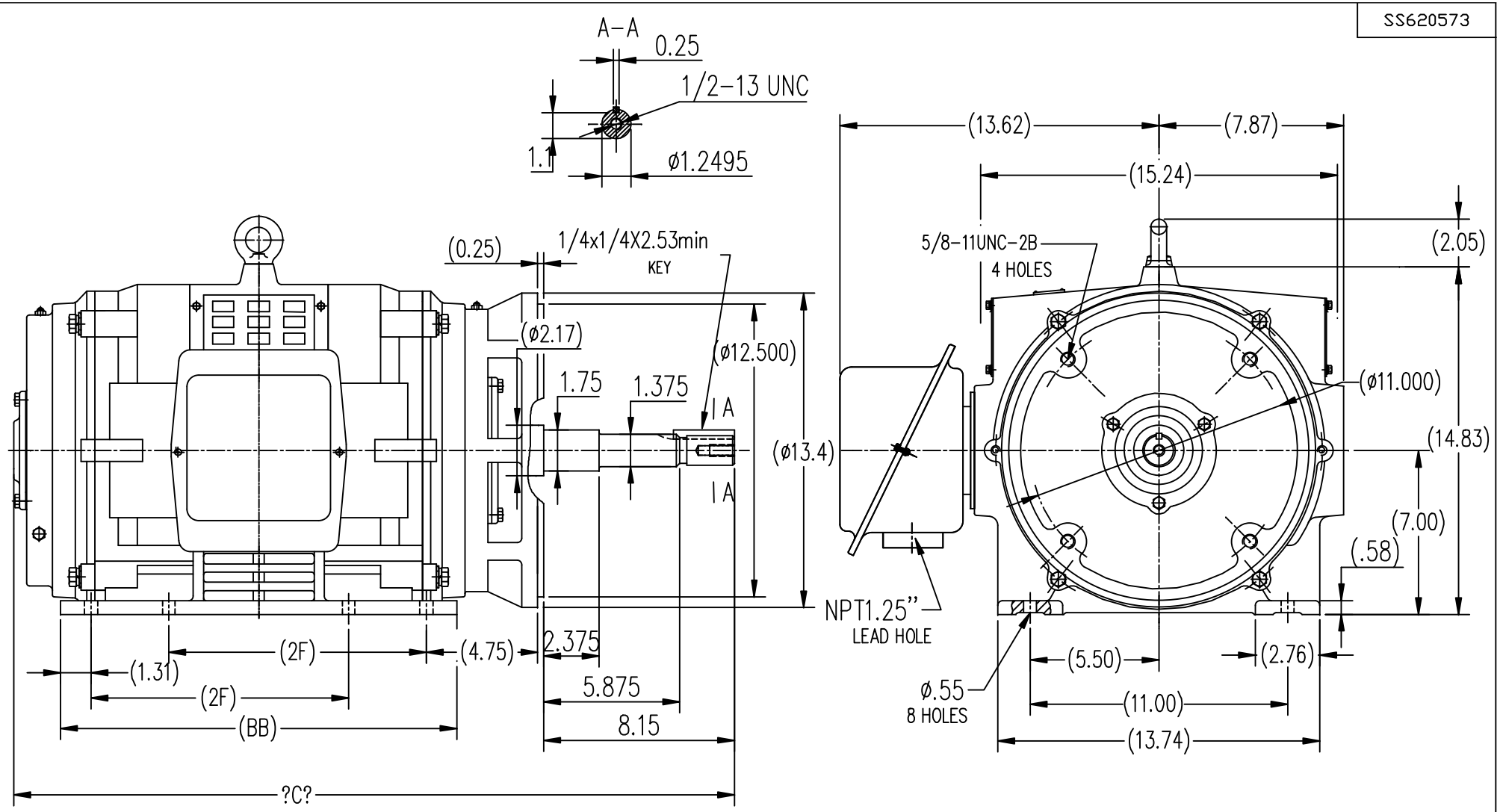
Model No: 286TTDCA6013
Catalog No: GT2533
40 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 286JP Frame, ODP
Close-Coupled Pump Motors

Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	575 V
Current	35.5 A	Speed	3545 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	89.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Frame	286JP	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6211	Opp Drive End Bearing Size	6211
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.187 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JP	Overall Length	29.99 in
Frame Length	13.98 in	Shaft Diameter	1.250 in
Shaft Extension	8.15 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Outline Drawing	SS620573-286T	Connection Drawing	EE7300



284T	9.50	15.55	29.48
286T	11.00	16.93	29.99
FRAME	2F	BB	C

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2

REGAL-BELOIT CORPORATION

TITLE: OUTLINE
ODP-284/286JP FR-CAST IRON

MAT'L.
FINISH
CAD FILE: SS620573
RFP
DIST

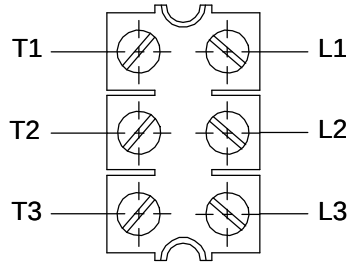
DRAWN Lee 05-16-2012
CHK HPH 05-16-2012
APPD JGX 05-16-2012
SCALE 1=6
REF
FMF HWADA
PREV

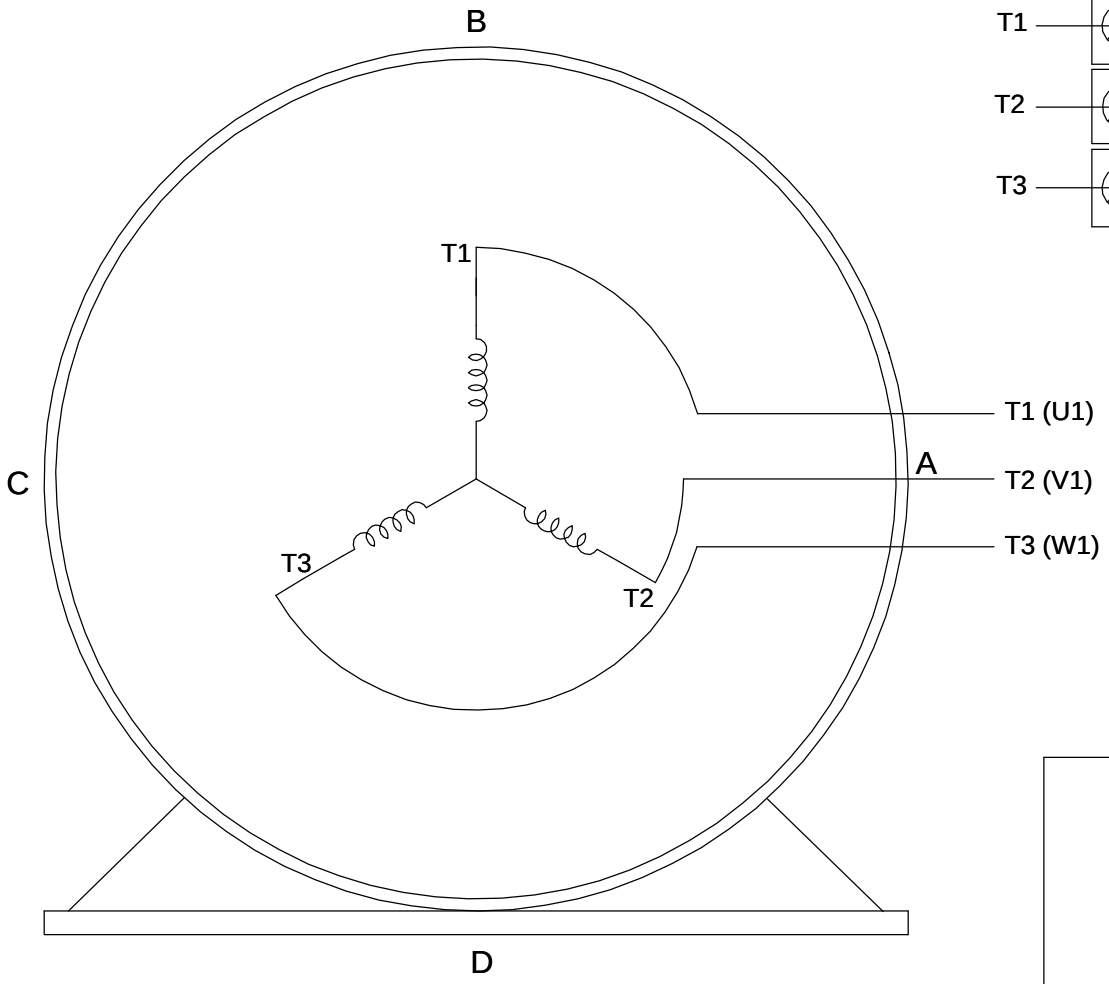
SIZE: B
DRAWING NO.: SS620573
REV.

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

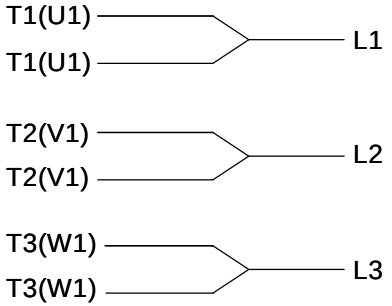
TERMINAL BLOCK WHEN SPECIFIED





VIEW OF TERMINAL END

IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: AB	REVISION BY: JJB	DATE: 06-27-2017
ECO: ECO-0125361	APPROVED BY: TB	DATE: 06-27-2017
ECO DESCRIPTION: UPDATED TO CURRENT STANDARDS		

DRAWN BY: DA	
DATE: 03-26-1993	
APPROVED BY: TB	
DATE: 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1

CERTIFICATION DATA SHEET

Model#:	286TTDCA6013 AA	**WINDING#:**	CHT28620003 NONE 3
CONN. DIAGRAM:	EE7300	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	SS620573		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40	30	3600	3545	286JP	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	35.5	LINE OR INVERTER	CONTINUOUS	F7	1.15	40	3300

FULL LOAD EFF: 92.4	3/4 LOAD EFF: 93	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89.5	3/4 LOAD PF: 88.5	1/2 LOAD PF: 84	91.7	SQ CAGE INV RATED	9.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59.3 LB-FT	197.6	98 LB-FT 163	136 LB-FT 231	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	3.2 LB-FT^2	45 LB-FT^2	15 SEC.	2	500 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6211	BALL 6211	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	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

INVERTER TORQUE: VARIABLE 10:1
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

*
NOTES
*

DATE: 06/27/2017 03:24:19 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 16-06-2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

286TTDCA6013

Submittal

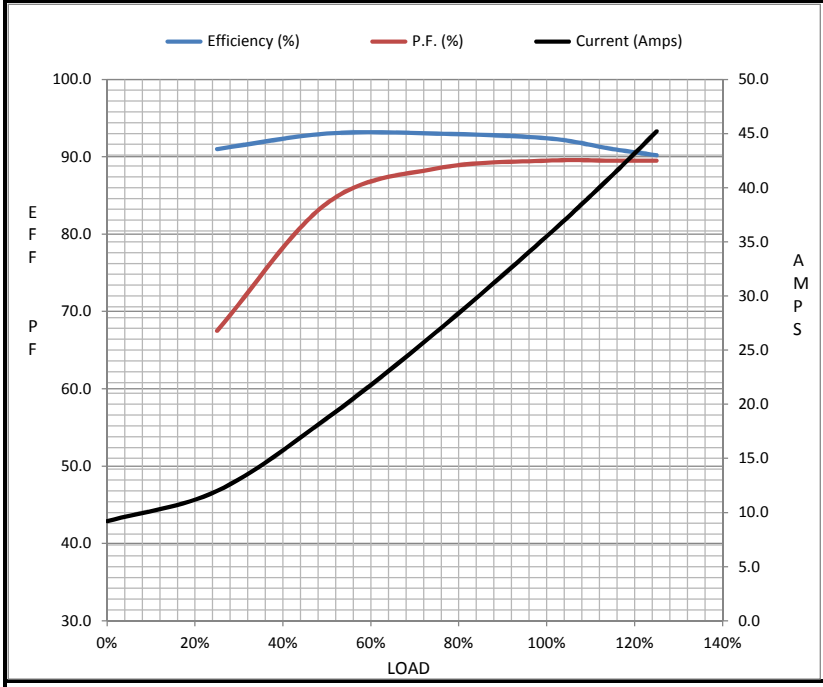
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	9.2	12.0	18.7	26.7	35.5	41.2	45.2	198	
Torque (ft-lb)	0.00	14.6	29.4	44.2	59.3	68.3	74.4	98.0	
RPM	3600	3585	3575	3560	3545	3,535	3527	0	
Efficiency (%)		91.0	93.0	93.0	92.4	91.0	90.2		
P.F. (%)	5.0	67.5	84.0	88.5	89.5	89.5	89.5	37.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3310	3545	3600
Current (Amps)	198	178	122	35.5	9.2
Torque (ft-lb)	98.0	147	136	59.3	0.00



Information Block

HP	40.0	
Sync. RPM	3600	
Frame	286	
Enclosure	DP	
Construction	TDC	
Voltage	575	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	35	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	3.2	Lb-Ft²
Ref Wdg	CHT28620003	NONE
Sound Pressure @ 1M	78	dBA
VFD Rating	VARIABLE 10:1	
Outline Dwg	SS620573	
Conn. Diag	EE7300	

Additional Specifications:

0

365THFS8036

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.1940	0.1170	0.7420	0.9970	35.2280

Speed -Torque Curve