PRODUCT INFORMATION PACKET

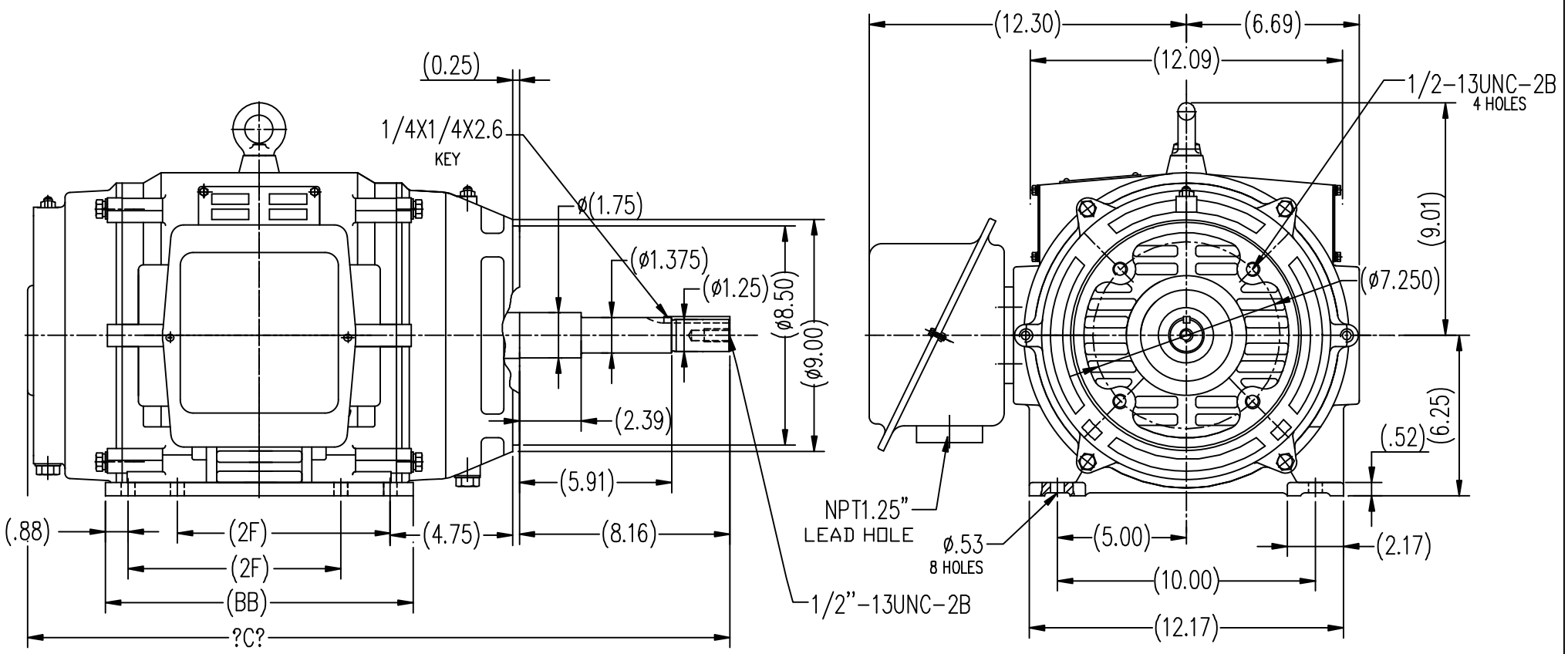
Model No: 256TTDCA6037
Catalog No: GT2425
Globetrotter® Close-Coupled Pump Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 256JP Frame, DP

Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	1773 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	256JP	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	48/24 & 44/22.1 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	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	.455 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	28.90 in
Frame Length	12.2 in	Shaft Diameter	1.250 in
Shaft Extension	8.16 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620572-256T	Connection Drawing	EE7308K

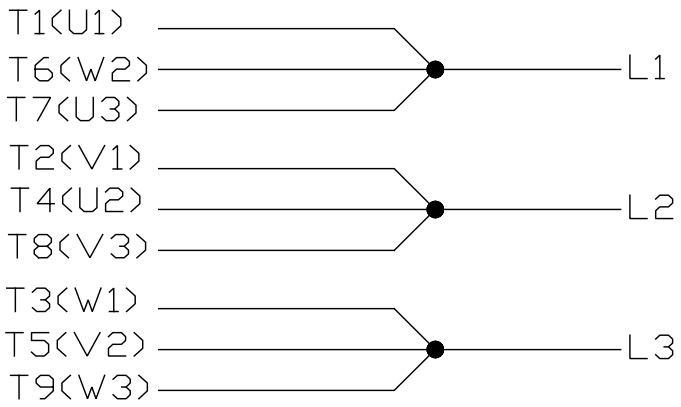


254T	8.25	12.00	27.32
256T	10.00	13.59	28.9
FRAME	2F	BB	C

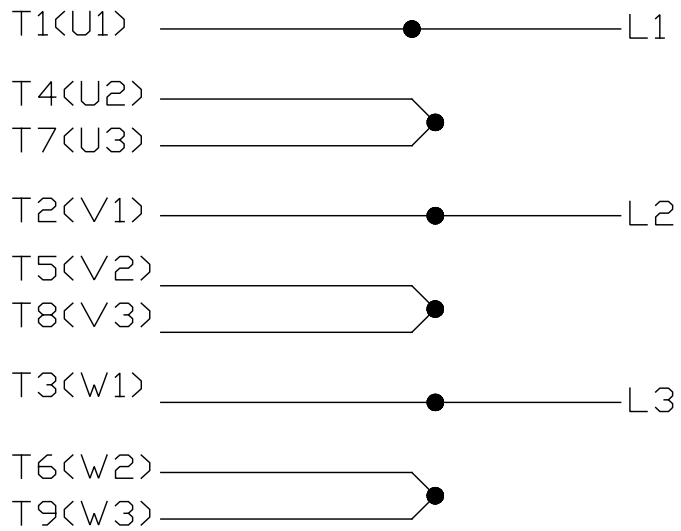
			TOLERANCES UNLESS SPECIFIED			REGAL-BELOIT CORPORATION		DRAWN LSJ 05-16-2012
			DEC.	INCHES				CHK
			.X	±.1				APPD
			.XX	±.03		TITLE	OUTLINE	SCALE 1=6
			.XXX	±.005			ODP-254/256JP FR-CAST IRON	REF
			.XXXX	±.0005		MAT'L.		FMF HWADA
NO.	REVISION	BY & DATE	CHK	ANG	±1/2	FINISH		PREV
			RFP			CAD FILE	SS620572	SIZE B / DRAWING NO. SS620572 / REV.
			DIST					

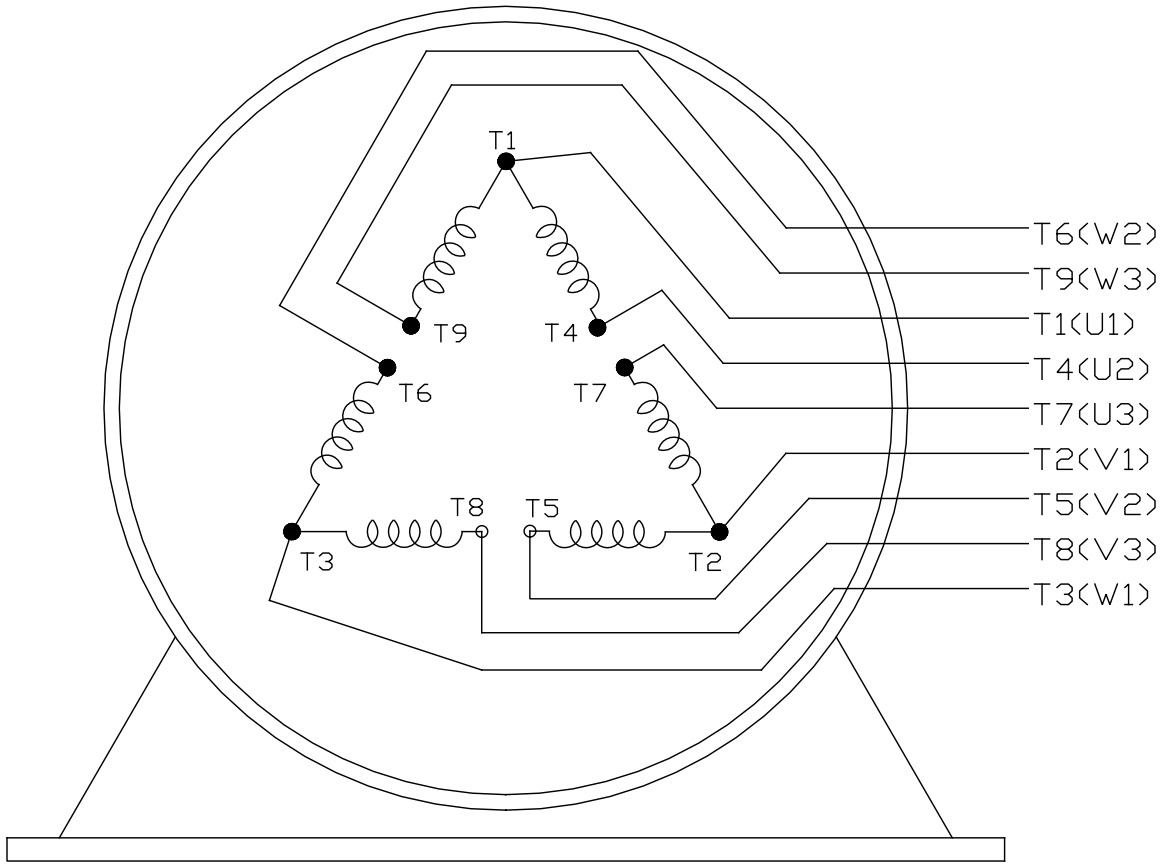
EE7308K

LOW VOLTAGE



HIGH VOLTAGE





VIEW OF TERMINAL END

NO.	REVISION	BY & DATE	CHK
E	CORRECTED IEC MARKINGS ECO-0111208	WGJ 01-23-2017	EMH
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS
7	REVISD HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998	
6	REDRAWN ON CADD	PGK 06-05-1997	

TOLERANCES UNLESS SPECIFIED: DEC. INCHES; .X ±.1; .XX ±.02; .XXX ±.005; .XXXX ±.0005; ANG ±7'30"

REGAL - BELOIT CORPORATION

DRAWN PGK 06-04-1997
CHK ML 06-05-1997
APPD GK 06-15-1997

TITLE: CONNECTION DIAGRAM
DELTA CON. - 3Ø - 9 LEADS

SCALE
REF
MAT'L.
FMF
FINISH
PREV
CAD FILE EE7308K
RFP
DIST

SIZE A | DRAWING NO. EE7308K | PAGE OF | REV. E

CERTIFICATION DATA SHEET

Model#:	256TTDCA6037 AA	**WINDING#:**	CHT25640006 NONE 1
CONN. DIAGRAM:	EE7308K	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	SS620572		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	1800	1773&1475	256JP	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	48/24&44/22.1	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40	3300

FULL LOAD EFF: 93&92.4	3/4 LOAD EFF: 93	1/2 LOAD EFF: 91.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 82&81.5	3/4 LOAD PF: 77.5	1/2 LOAD PF: 67	92.4	SQ CAGE INV RATED	20.4 / 10.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59.2 LB-FT	280 / 140	120 LB-FT 202	165 LB-FT 278	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
74 dBA	84 dBA	3 LB-FT^2	125 LB-FT^2	20 SEC.	2	325 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 6309	BALL 6208	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

*
N
O
T
E
S
*

DATE: 06/23/2017 05:23:57 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

marathon electric

256TTDCA6037

Submittal

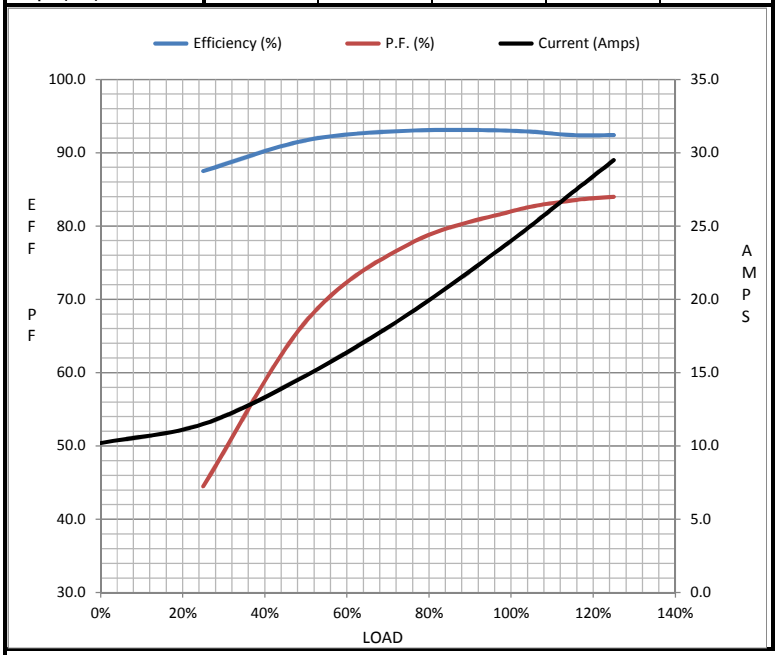
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	10.2	11.5	14.8	19.0	24.0	27.3	29.5	140	
Torque (ft-lb)	0.00	14.5	29.5	44.0	59.2	68.3	74.5	120	
RPM	1800	1793	1785	1780	1773	1,768	1765	0	
Efficiency (%)		87.5	91.7	93.0	93.0	92.4	92.4		
P.F. (%)	4.5	44.5	67.0	77.5	82.0	83.5	84.0	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1625	1773	1800
Current (Amps)	140	126	88.0	24.0	10.2
Torque (ft-lb)	120	108	165	59.2	0.00



Information Block

HP	20.0
Sync. RPM	1800
Frame	256
Enclosure	DP
Construction	TDC
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	F
Service Factor	1.15
Temp Rise @ FL	45 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	3.0 Lb-Ft²
Ref Wdg	CHT25640006 NONE
Sound Pressure @ 1M	74 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	SS620572
Conn. Diag	EE7308K
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.2840	0.1920	0.8800	1.4630	28.0450

Speed -Torque Curve