

PRODUCT INFORMATION PACKET

Model No: 404TTFS6086

Catalog No: E243

60 HP General Purpose Motor, 3 phase, 1200 RPM, 230/460 V, 404T Frame, TEFC
General Purpose Motors



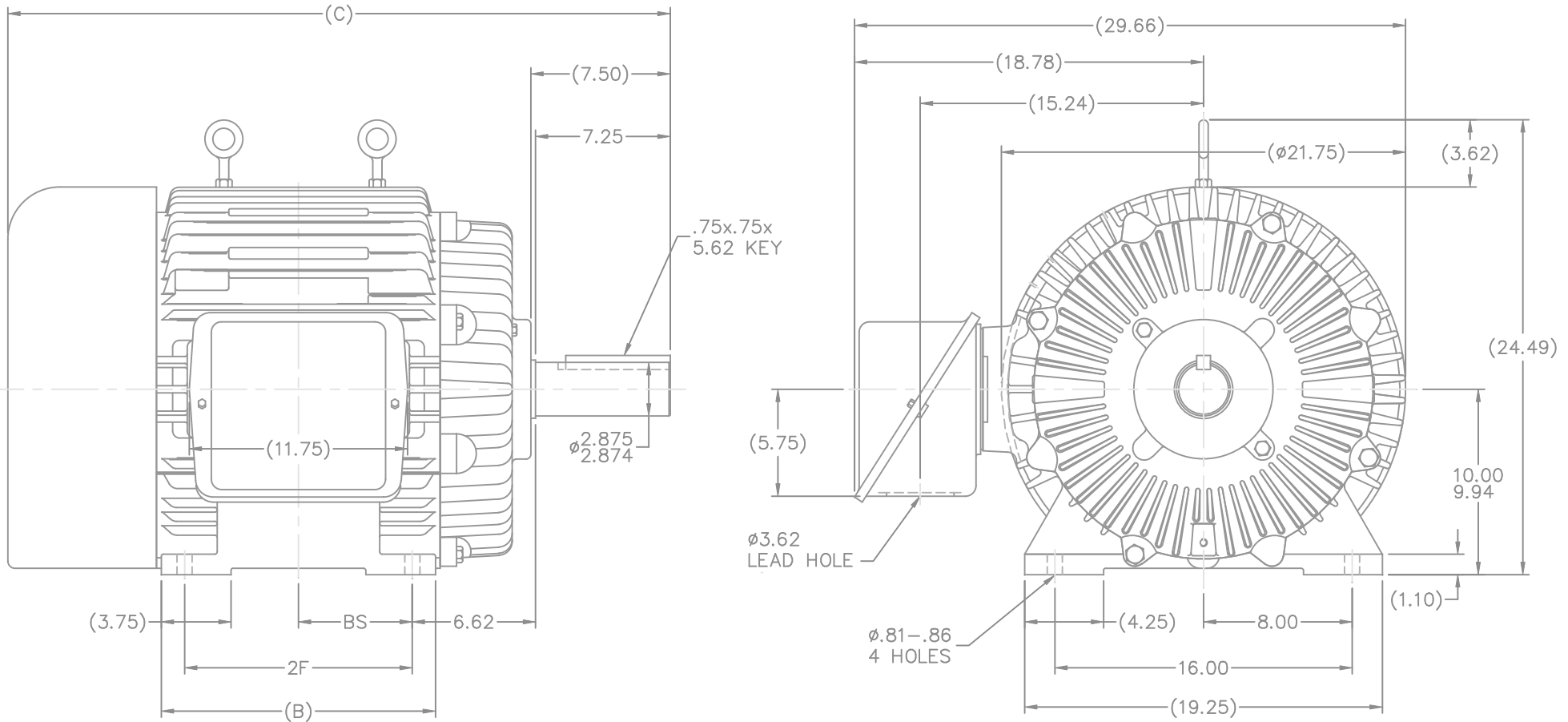
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Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	144.0/72.0 A	Speed	1185 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	404T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
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	6	Rotation	Reversible
Resistance Main	.111 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	35.62 in
Frame Length	15.25 in	Shaft Diameter	2.875 in
Shaft Extension	7.5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS504699-1525	Connection Drawing	A-EE7308K



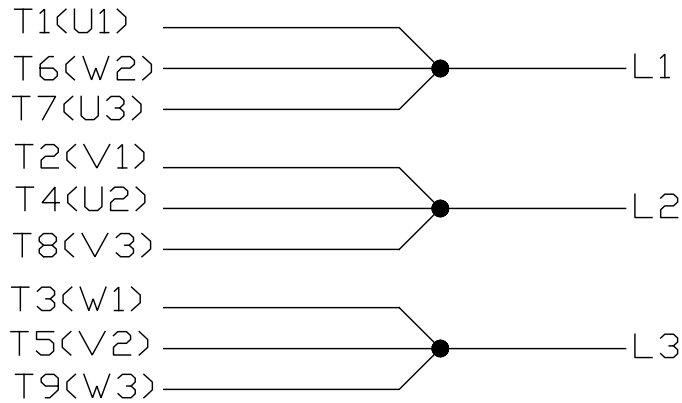
NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

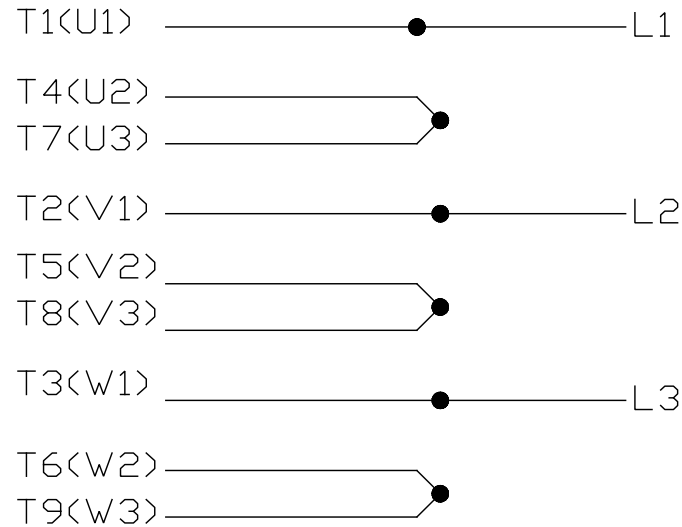
DASH	FRAME	B	C	2F	BS
1525	404T	14.75	35.62	12.25	6.12

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	DEC.	INCHES	MARATHON ELECTRIC	DRAWN	TLB 05-20-1988
10	REDRAWN IN AUTOCAD	TAT 06-29-2004	ML	.X	±.1				CHK	FG 05-20-1988
9	UPDATED FRAME AND EYEBOLTS CN 27430	KL 08-23-2000		.XX	±.03		TITLE		APPD	ML 05-20-1988
8	UPDATED C' BOX GEOMETRY CN 27430	DRS 02-08-2000		.XXX	±.005		OUTLINE		SCALE	3=16
7	REDRAWN ON CADD	TLB 05-20-1988		.XXXX	±.0005		404T FR. - TEFC - STD.		REF	
								MAT'L	FMF	
								FINISH	PREV	
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			DIST	WA				SIZE	B	DRAWING NO. PAGE OF REV. SS504699 10

LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997			
NO.	REVISION	BY & DATE	CHK	ANG		±	INCHES	SCALE	PREV
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.				CHK ML 06-05-1997	
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	±.1			APPD GK 06-15-1997	
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM		
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	±.005		TITLE DELTA CON. - 3Ø - 9 LEADS	REF	
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	±.0005		MAT'L.	FMF	
					±7'30"		FINISH		
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			DIST						

CERTIFICATION DATA SHEET

Model#: 404TTFS6086 BT **WINDING#:** T404640 NONE 1
CONN. DIAGRAM: A-EE7308K **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: B-SS504699-1525

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60	45	1200	1185	404T	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	144/72	ACROSS THE LINE	CONTINUOUS	F1	1.15	40	3300

FULL LOAD EFF: 94.5	3/4 LOAD EFF: 95	1/2 LOAD EFF: 95	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83	3/4 LOAD PF: 78.5	1/2 LOAD PF: 70	94.1	SQ CAGE IND RUN	53 / 26.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
266 LB-FT	870 / 435	535 LB-FT 201	650 LB-FT 244	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	33.5 LB-FT^2	1000 LB-FT^2	25 SEC.	2	1125 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	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6316	6313						

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: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

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DATE: 06/21/2017 08:06:20 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/29/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



404TFS6086

Submittal

Data @ 460 V

Motor Load Data

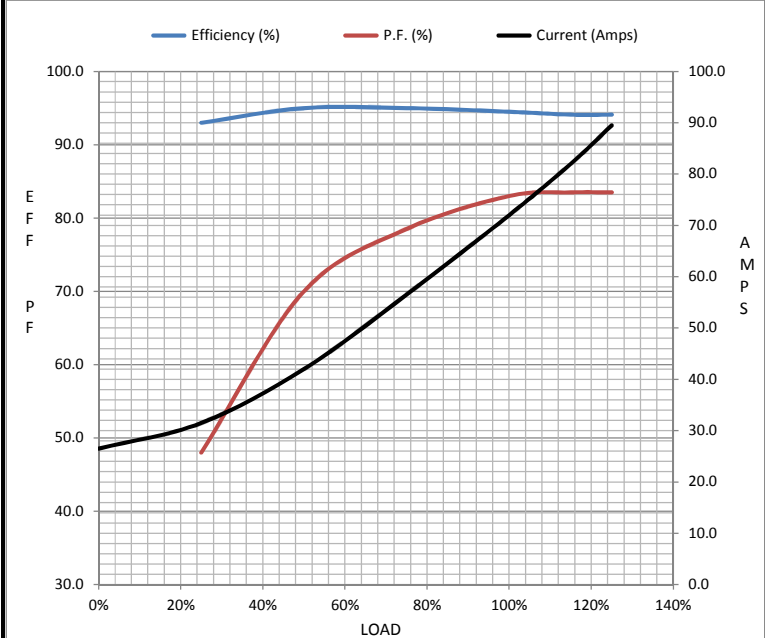
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	26.5	31.5	42.0	56.5	72.0	82.0	89.5	435
Torque (ft-lb)	0.00	65.5	132	199	266	306	333	535
RPM	1200	1196	1194	1188	1185	1,182	1180	0
Efficiency (%)		93.0	95.0	95.0	94.5	94.1	94.1	
P.F. (%)	4.5	48.0	70.0	78.5	83.0	83.5	83.5	36.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1050	1185	1200
Current (Amps)	435	390	240	72.0	26.5
Torque (ft-lb)	535	475	650	266	0.00

Information Block

HP	60.0
Sync. RPM	1200
Frame	404
Enclosure	TEFC
Construction	TFS
Voltage	230/460 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	60 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	33.5 Lb-Ft ²
Ref Wdg	T404640 NONE
Sound Pressure @ 1M	68 dBA
VFD Rating	NONE
Outline Dwg	B-SS504699-1525
Conn. Diag	A-EE7308K



Additional Specifications:

0

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EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0710	0.0430	0.3940	0.5270	9.5450

Speed -Torque Curve

