

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TTGS4075

Catalog No: C365

Other Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,
184TC Frame, EPFC



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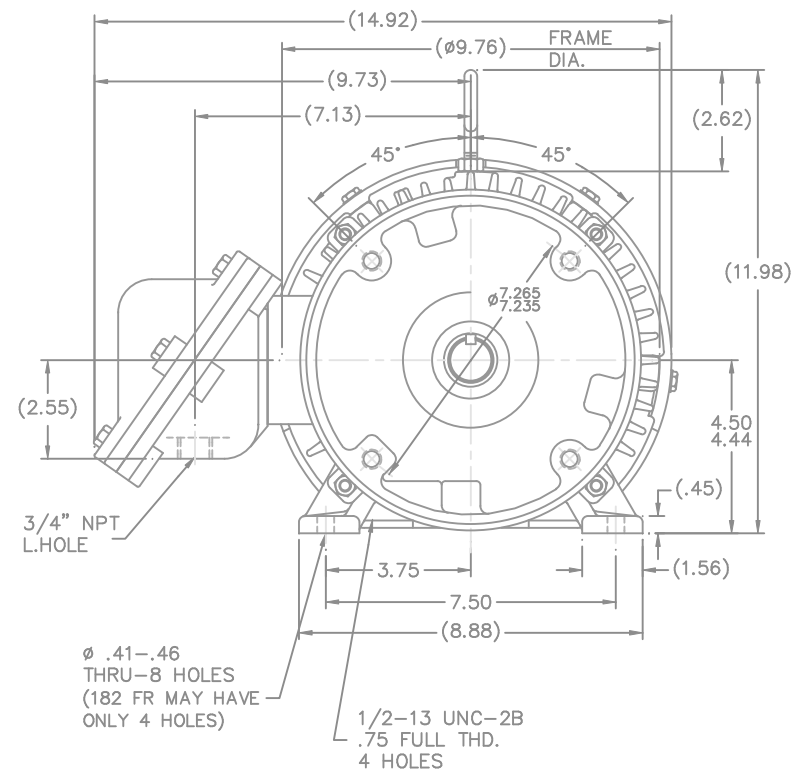
RegalRexnord

Nameplate Specifications

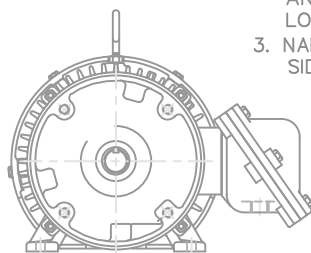
Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	208-230/460 & 190/380 V
Speed	1745 & 1465 rpm	Service Factor	1.15 & 1.15
Frame	184TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	87.5 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	14-13/6.5 & 10/5 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6205
UL	No	CSA	N
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR D CL II GR F&G T3B

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	3.05 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	18.19 in
Frame Length	8.00 in	Shaft Diameter	1.130 in
Shaft Extension	2.62 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	B-SS68746-800	Connection Drawing	A-EE7308T




1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. THIS MODIFICATION CAN BE PERFORMED ONLY BY THE ORIGINAL EQUIPMENT MANUFACTURER, OR BY A FACILITY THAT IS COVERED UNDER UNDERWRITERS LABORATORIES INC. CATEGORY PTKQ. TITLED "MOTORS AND GENERATORS REBUILT FOR USE IN HAZARDOUS LOCATIONS"
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR



F2 MOUNTING

DASH	FRAME	B	2F	2FF	2FFF	BS	MOUNTING	C CAST FAN GUARD	C STEEL FAN GUARD	AG CAST FAN GUARD	AG STEEL FAN GUARD
575	182TC	5.50	4.50	—	—	2.25	F1 ONLY	15.94	15.62	13.32	13.00
675	182/4TC	6.50	5.50	4.50	4.50	2.25	F1 OR F2	16.94	16.62	14.32	14.00
800	182TC	7.75	6.75	4.50	4.50	3.37	F1 OR F2	18.19	17.87	15.57	15.25
800	184TC	7.75	6.75	5.50	5.50	3.37	F1 OR F2	18.19	17.87	15.57	15.25

10	NOTE UP DATED AS PER CN NO.40800.		ST	2/20/2007	SL	TOLERANCES UNLESS SPECIFIED		DRAWN MRB Q2-25-1999					
9	REMOVED DASH 675 - 184TC FR.		TJW	06/22/2006	ML	DEC. INCHES		CHK	ML	03-01-1999			
8	ADDED GEOMETRIC TOLERANCES CN 32189		NJS	03-27-2003	ML	.X ±.1		APPD	GK	03-01-1999			
7	DASH 675 - 182CT FR.; 'B' DIM. WAS 5.50 CN 31976		DRS	12-17-2002	ML	.XX ±.03		TITLE OUTLINE					
6	ADDED F2 MOUNTING VIEW MU40045		NJS	01-16-2002	ML	.XXX ±.005		180TC FR. - C'FACE - EPFC - CAST C'BOX					
5	UPDATED 2F, 2FF, 2FFF ON -675-182TC FR. CN 31549		DRS	04-30-2001	ML	.XXXX ±.0005		MATL	REF				
NO. REVISION			BY & DATE		CHK	ANG ±7°30"	FINISH	PREV					
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HIGH VOLTAGE



NOTE FOR FACTORY USE ONLY:
 TO SURGE TEST FOR COMMON CONNECT:
 HIGH VOLT: CONNECT P1 TO T1
 THEN P2 TO L1
 LOW VOLT: CONNECT P1 TO T1 & T7,
 THEN P2 TO L1

LOW VOLTAGE

THREE PHASE
DUAL VOLTAGE MOTOR

VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

DRAWING REVISION T	REVISION BY ZR	DATE 01-14-2019
ECO ECO-0159915	APPROVED BY DR	DATE 01-15-2019

ECO DESCRIPTION
ADDED TERMINAL CONNECTION DIAGRAM

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DRAWN BY
SMC

DATE
05-13-1992

APPROVED BY
TB

DATE
05-13-1992

REFERENCE
EE7308/EE7300

THIRD ANGLE
PROJECTION



Regal Beloit America, Inc.

DESCRIPTION

CONN DIAGRAM-INTERNAL
 3 PHASE - DUAL VOLTAGE MOTOR

MATERIAL

PROCESS/FINISH

SIZE
A

DRAWING NUMBER

EE7308T

SHEET
1 OF 1

Data Sheet

Date: 12/13/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



184TTGS4075

Submittal

Data @ 460 V

Motor Load Data

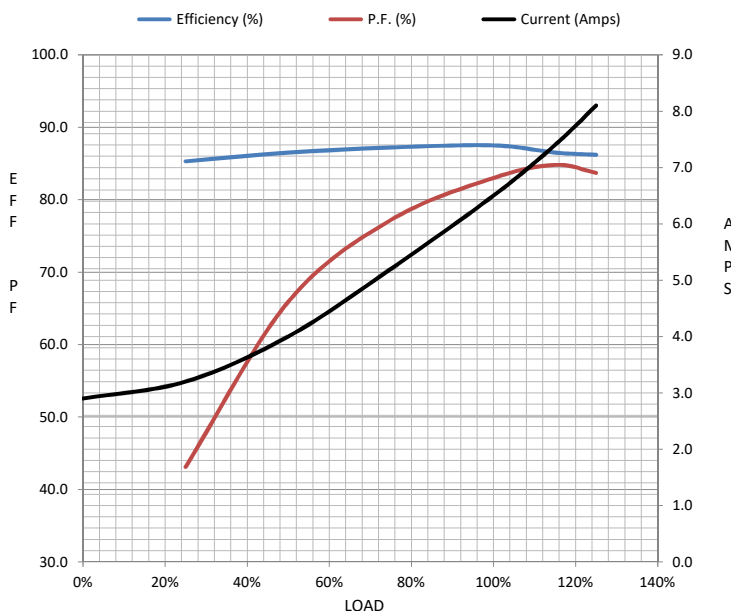
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.90	3.2	4.0	5.2	6.5	7.4	8.1	45.0	
Torque (ft-lb)	0.00	3.7	7.4	11.2	15.0	17.5	19.0	30.0	
RPM	1800	1785	1775	1755	1745	1,735	1725	0	
Efficiency (%)		85.3	86.5	87.2	87.5	86.5	86.2		
P.F. (%)	10.8	43.1	65.9	77.2	83.0	84.8	83.7	50.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	750	1425	1745	1800
Current (Amps)	45.0	42.0	30.0	6.5	2.90
Torque (ft-lb)	30.0	28.0	49.0	15.0	0.00

Information Block

HP	5.0			
Sync. RPM	1800			
Frame	184			
Enclosure	EPFC			
Construction	TGS			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	60 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.38 Lb-Ft²			
Ref Wdg	K1844218 FS			
Sound Pressure @ 1M	62 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	B-SS68746-800			
Conn. Diag	A-EE7308T			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.9670	1.3320	3.9630	5.3580	93.5550



Speed -Torque Curve

