marathon®

General Purpose Motors

Model No: 405TSTDC6007
Catalog No: GT0051

General Purpose Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 RPM, 405TS Frame, DP

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Product Information Packet: Model No: 405TSTDC6007, Catalog No: GT0051 General Purpose Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 RPM, 405TS Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**150 & 125 Hp**
Output KW	**112.0 & 93.0 kW**	Voltage	**460 & 380 V**
Speed	**3575 & 2975 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**405TS**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**94.1 & 94.1 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**164 & 165 A**
Power Factor	**90**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6313**
Opp Drive End Bearing Size	**6313**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**12**	Number of Speeds	**1**

Technical Specifications

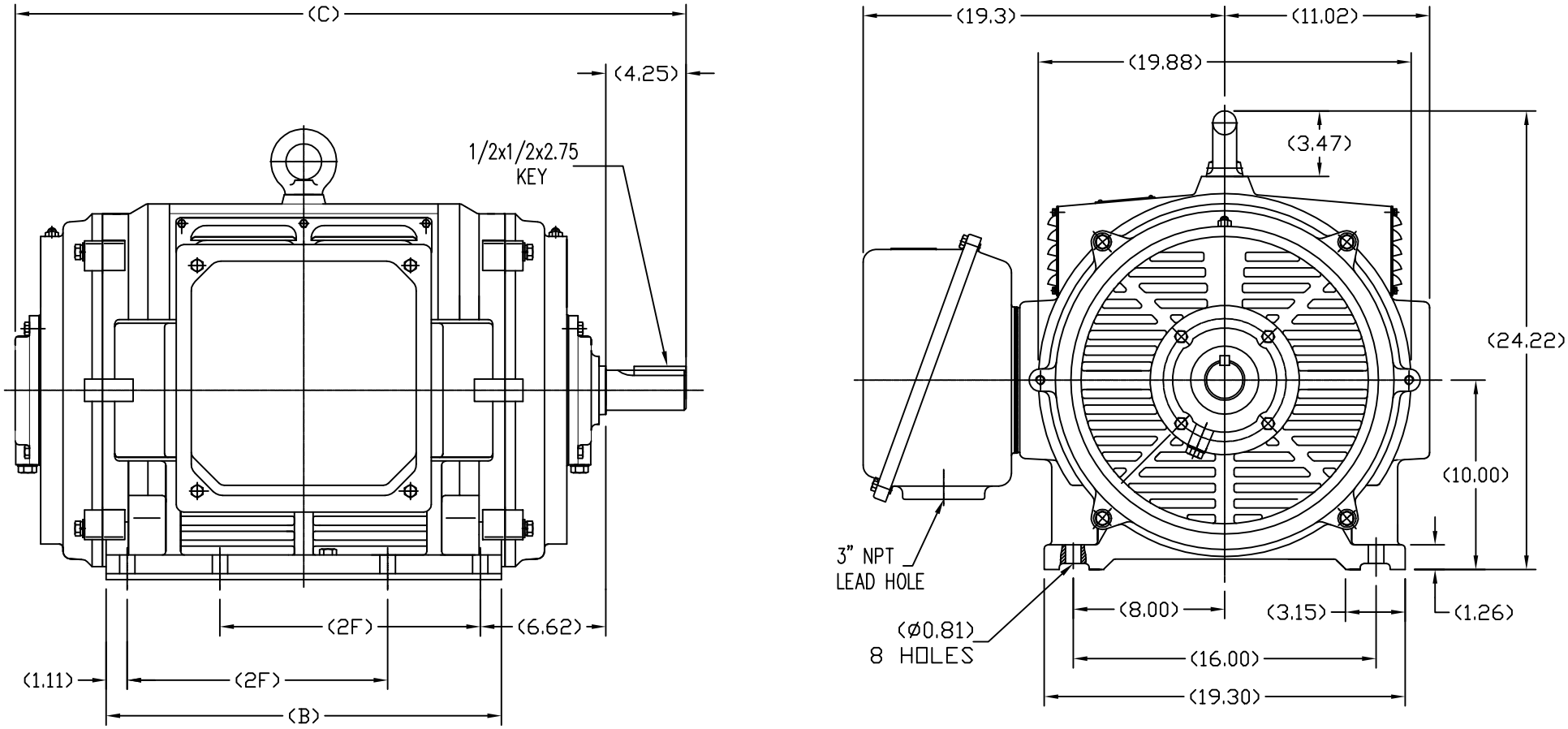
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start & Wye Start Delta Run Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.035 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Overall Length	**35.44 in**
Shaft Diameter	**2 1/8 in**	Shaft Extension	**4.25 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

Drawings

Connection Drawing	**A-EE7341C**	Outline Drawing	**SS620254-405TS**

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SS620254



404TS	33.86	19.29	12.25
405TS	35.44	20.87	13.75
Frame	C	B	2F

NO.	REVISION	BY & DATE	CHK
			ANG

TOLERANCES UNLESS SPECIFIED

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

REGAL-BELOIT CORPORATION

DRAWN CL 03-04-2010
CHK ZYH 03-04-2010
APPD HZJ 03-04-2010
SCALE 1=.75
REF
FMF HWADA
PREV

TITLE OUTLINE
404/405TS FR-□DP-CAST IRON

MAT'L.
FINISH
CAD FILE SS620254
RFP
DIST

SIZE B | DRAWING NO. SS620254 | REV.

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