PRODUCT INFORMATION PACKET



Model No: 405TTDS16070
Catalog No: M750

/ortical Rump Motor, 135 HR, 3 Rb, 60 Hz, 460 V, 1900 RR

Vertical Pump Motor, 125 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405HPV Frame, DP



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Product Information Packet: Model No: 405TTDS16070, Catalog No:M750 Vertical Pump Motor, 125 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405HPV Frame, DP



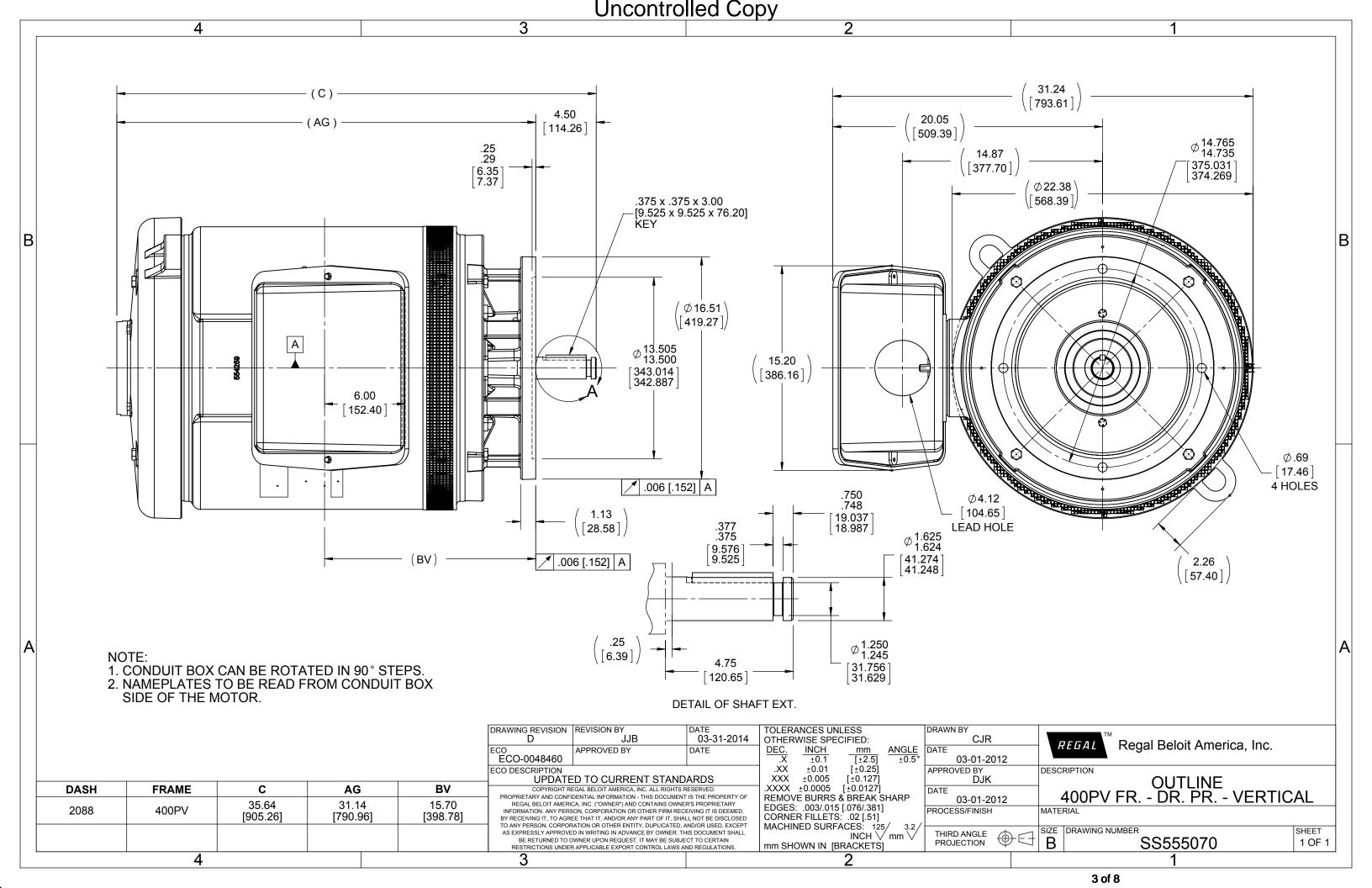
Nameplate Specifications

Phase	3	Output HP	125 Hp	
Output KW	93.0 kW	Voltage	460 V	
Speed	1782 rpm	Service Factor	1.15	
Frame	405HPV	Enclosure	Drip Proof	
Thermal Protection	No Protection	Efficiency	95.4 %	
Ambient Temperature	40 °C	Frequency	60 Hz	
Current	141.0 A	Power Factor	86	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	G	
Drive End Bearing Size	6314	Opp Drive End Bearing Size	7314 2	
UL	Recognized	CSA	Υ	
CE	Υ	IP Code	12	
Number of Speeds	1			

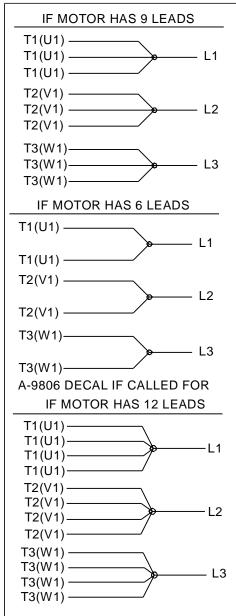
Technical Specifications

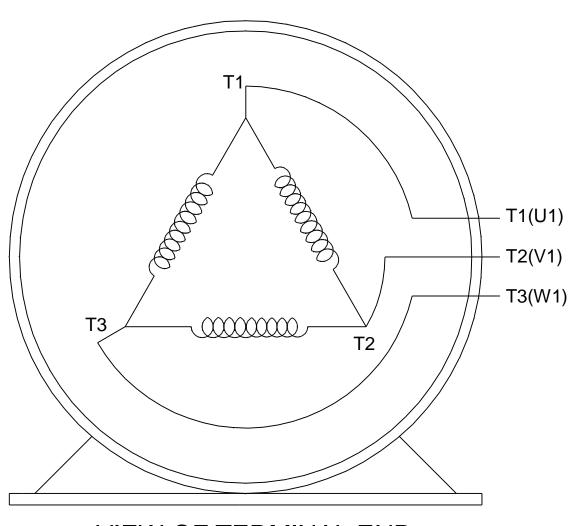
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.042 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Duplex Tandem Angular Contact	Frame Material	Cast Iron
Shaft Type	HP	Overall Length	35.64 in
Frame Length	20.88 in	Shaft Diameter	1.625 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7300U	Outline Drawing	B-SS555070-2088

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VIEW OF TERMINAL END

DRAWING REVISION	REVISION BY	DATE
L	AJW	05-04-2015
ECO-0077067	APPROVED BY FWH	DATE 05-05-2015
ECO-0077007	□ □ VV □	03-03-2013

ECO DESCRIPTION

UPDATED TO SOLIDWORKS

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TOLERANCES UNLESS
OTHERWISE SPECIFIED:
DEC. INCH mm ANGLE
.X ±0.1 [±2.5] ±7'30"
.XX ±0.02 [±0.51]
XXX ±0.005 [±0.127]
.XXXX ±0.0005 [±0.0127]
REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 200/ 5.1,
INCH ∨ mm ∨
mm SHOWN IN [BRACKETS]

	DRS DATE 09-27-1996					
	APPROVED BY	DESC	RIPTION			
	GK		CONN DIAGRAM-E	XTERNA		
	DATE				_	
	09-30-1996		3Ø SINDLE VOLTA	.GE		
	REFERENCE	MATE	RIAL	PROCESS/FINISH		
,						
	THIRD ANGLE	SIZE	DRAWING NUMBER		SHEET	
	PROJECTION (P)	Α	EE7300U		1 OF 1	

CERTIFICATION DATA SHEET

 Model#:
 405TTDS16070 AN
 WINDING#:
 T405479 NONE 9

 CONN. DIAGRAM:
 A-EE7300U
 ASSEMBLY:
 F1/F2 CAPABLE

OUTLINE: B-SS555070-2088

TYPICAL MOTOR PERFORMANCE DATA

HP	K\	V	SYN	C. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA (CODE	DESIGN
125	9:	3	1	1800	1782	405HPV	DP		G	3	В
	1	,			_		,				
PH	Hz	VOL	TS	FL AMPS	START TYPE	DUTY	INSL	S.F		AMB°C	ELEVATION
3	60	460	0	141	ACROSS THE	CONTINUOU	F1	1.15		40	3300
					LINE	9					

FULL LOAD EFF: 95.4	3/4 LOAD EFF: 95.8	1/2 LOAD EFF: 95.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86	3/4 LOAD PF: 84.5	1/2 LOAD PF: 78.5	95	SQ CAGE IND RUN	40

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
368 LB-FT	875	550 LB-FT 149	875 LB-FT 238	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
80 dBA	90 dBA	27 LB-FT^2	650 LB-FT^2	20 SEC.	2	1200 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	DUPLEX TANDEM ANGULAR CONTACT	POLYREX EM	HP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6314	7314 2						

	THERMO-PF	ROTECTORS		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 PPR

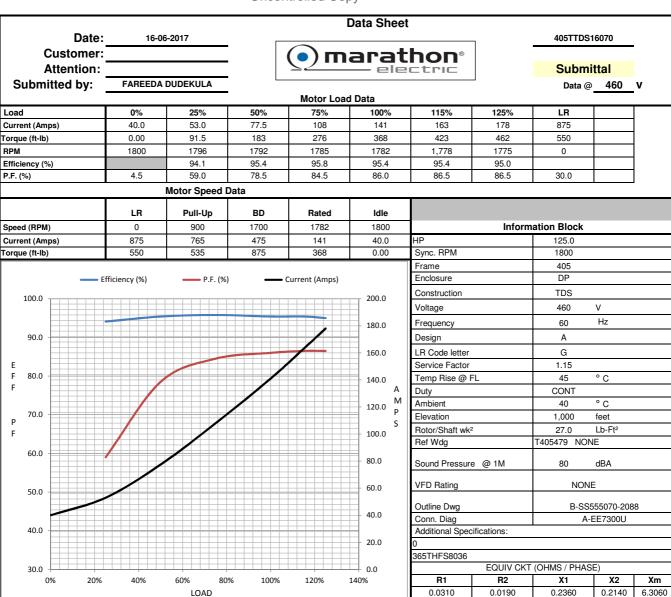
BRAKE: NONE NONE NONE P/N NONE NONE NONE

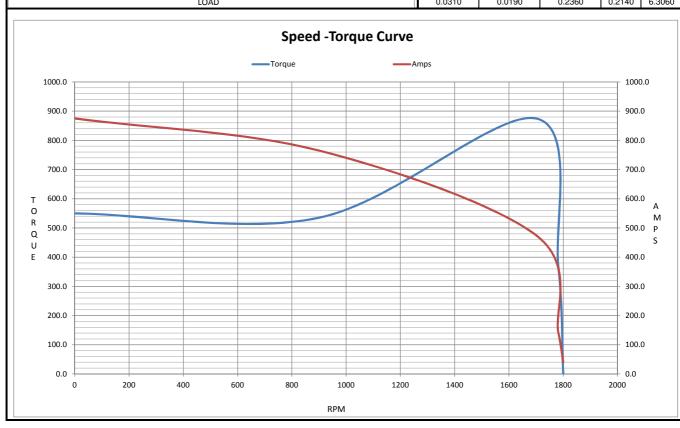
NONE FT-LB NONE V NONE Hz

N O T E S

DATE: 06/22/2017 12:18:07 AM FORM 3531 REV.3 02/07/99

** Subject to change without notice.







EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No: 405TTDS16070

(Model No. may contain prefix and/or suffix characters)

Catalog No : M750

Rework No : N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Authorized Representative in the Community:

J. cers

Julian Clark

Michael A. Logsdon Vice President, Technology

resident, Technology Marketing Engineer

Created on 09/01/2022

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