PRODUCT INFORMATION PACKET



Model No: 405TTDS16089 Catalog No: M743

75 HP Vertical Solid Shaft P-Base Motor, 3 phase, 1200 RPM, 230/460 V, 405HPV Frame, ODP

Vertical Pump Motors



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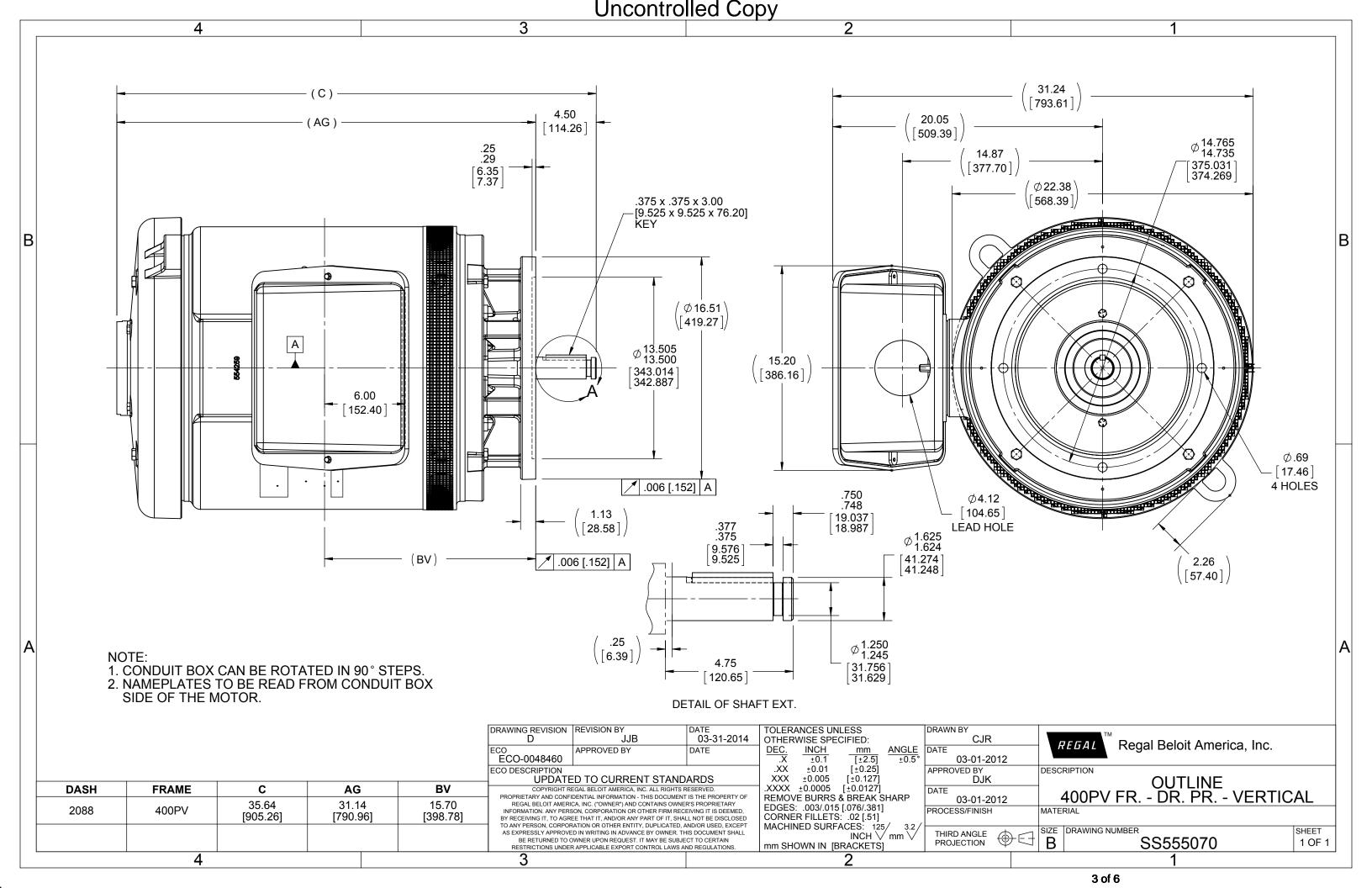
Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW	
Frequency	60 Hz	Voltage	230/460 V	
Current	180.0/90.0 A	Speed	1185 rpm	
Service Factor	1.15	Phase	3	
Efficiency	95 %	Power Factor	82.5	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	F	
Frame	405HPV	Enclosure	Drip Proof	
Thermal Protection	No	Ambient Temperature	40 °C	
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314	
UL	Recognized	CSA	Υ	
CE	Υ	IP Code	22	
Number of Speeds	1			

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	.096 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	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
Outline Drawing	B-SS555070-2088	Connection Drawing	A-EE7308

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CERTIFICATION DATA SHEET

405TTDS16089 AN WINDING#: T405646 NONE 1 Model#: CONN. DIAGRAM: ASSEMBLY: A-EE7308 F1/F2 CAPABLE

OUTLINE: B-SS555070-2088

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TYPICAL MOTOR PERFORMANCE DATA

	HP	к	N	SYN	IC. RPM	F.L. RPM	FRAME	ENCLO	SURE	KV	A CODE	DESIGN
	75	75 56			1200	1185 405HP		DF	DP		F	В
	РН	Hz	vo	LTS	FL AMPS	START TYPE	DUTY	INSL	S.	F	AMB°C	ELEVATION
	3	60	230	/460	180/90	ACROSS THE	CONTINUOU	F1	1.1	15	40	3300
L						LINE	S					

FULL LOAD EFF: 95	3/4 LOAD EFF: 95.4	1/2 LOAD EFF: 95.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS	
FULL LOAD PF: 82.5	3/4 LOAD PF: 80	1/2 LOAD PF: 72	94.5	SQ CAGE IND RUN	59 / 29.5	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
332 LB-FT	1000 / 500	550 LB-FT 166	725 LB-FT 218	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
73 dBA	83 dBA	38 LB-FT^2	1100 LB-FT^2	20 SEC.	2	1150 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	RODENT	BLUE (ENAMEL)

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

	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 NONE PPR

NONE BRAKE: NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE Hz

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