PRODUCT INFORMATION PACKET

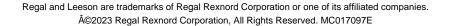


Model No: 170154.60 Catalog No: 170154.60

WATTSAVER® General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

3600 & 3000 RPM, 404TS Frame, DP









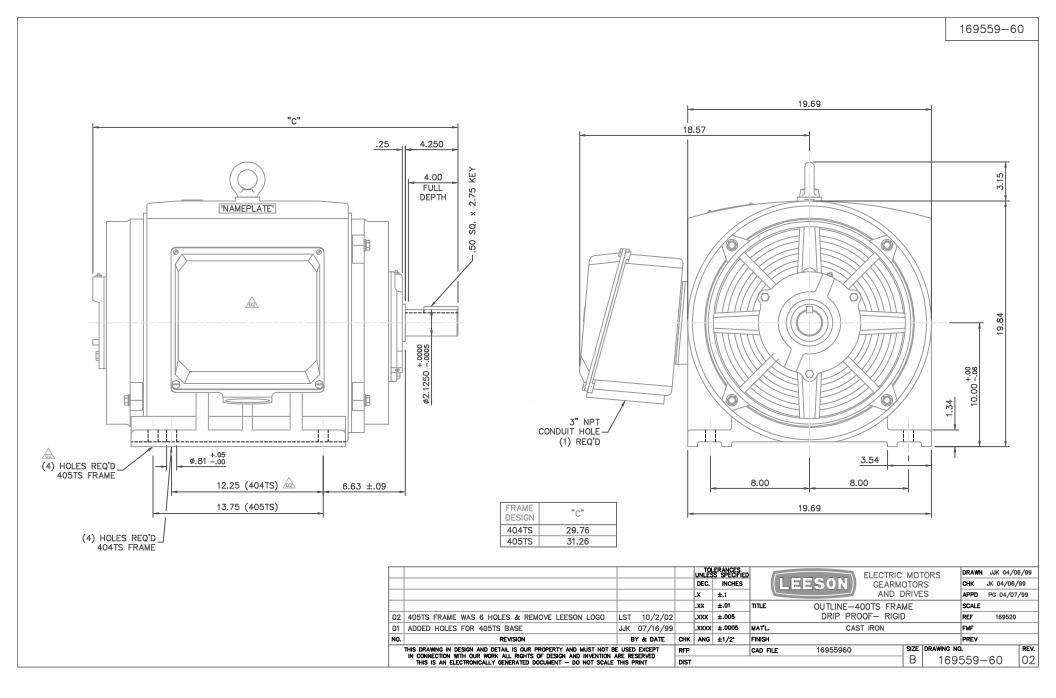
Nameplate Specifications

Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	230/460 & 190/380 V
Speed	3560 & 2960 rpm	Service Factor	1.15 & 1.15
Frame	404TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	284/142 & 274/137 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	F
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	Υ
CE	N	IP Code	22
Number of Speeds	1		

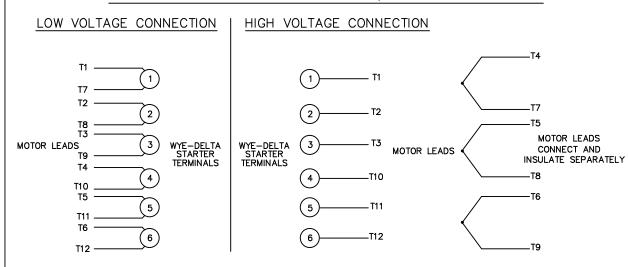
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.0366 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	29.76 in
Shaft Diameter	2.125 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1 ONLY	Inverter Load	CONSTANT 10:1
Connection Drawing	004172.01	Outline Drawing	16955960

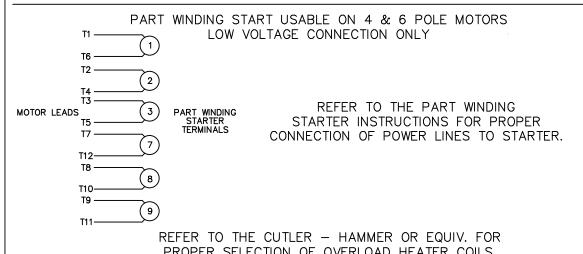
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WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.



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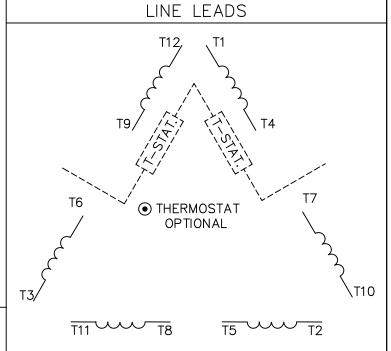
RFP

DIST

			`——	ONLL	3 SELCII ILD	1 1
				DEC.	INCHES	
				.x	±.1	\
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00		.xx	±.01	TITLE
02	ADDED T-STAT. NOTES PER ELECTRICAL	KMM 06/02/98		.xxx	±.005	
01	REDRAWN TO CAD	DBT 06/02/97		.xxxx	±.0005	MAT'L.
NO.	REVISION	BY & DATE	СНК	ANG	±1/2°	FINISH

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ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS • RED LEADS OR P1, P2, FOR N/C THERMOSTAT

ACROSS THE LINE START & RUN											
	LINE 1	LINE 2	LINE 3	JOIN & INSULATE SEPARATELY							
HIGH VOLT	T1,T12	T2,T10	T3,T11	(T4,T7) (T5,T8) (T6,T9)							
LOW VOLT	T1,T6 T7,T12	T2,T4 T8,T10	T3,T5 T9,T11								

ELECTRIC MOTORS

SIZE

DELTA - WYE CONNECTION DIAGRAM

DRAWN WLW 09/08/77 RPB 09/12/77 APPD JCW 09/12/77 SCALE 1=1

REF

REV.

03

FMF

PREV 004172 - 01

DRAWING NO.

6/28/2007 3:22:15 PM -

00417201

CAD FILE



1051 CHEYENNE AVE. GRAFTON, WI 53024 PH. 262-377-8810

CATALOG #: 170154.60

CONN. DIAGRAM: 004172.01

OUTLINE: 16955960 MOUNTING: F1 ONLY

WINDING #: T19602010 DR 3 A

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC, RPM	F.L. RPM FRAME		ENCLOSURE	KVA CODE	DESIGN	
125&100	93.0&75.0	3600	3560&2960	404TS	DP	F	В	

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60/50	230/460&190/380	284/142&274/137	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	94.5	3/4 LOAD EFF:	3/4 LOAD EFF: 94.5		1/2 LOAD EFF: 94.1		ELEC. TYPE	
FULL LOAD PF:	87	3/4 LOAD PF:	86	1/2 LOAD PF:	81.5	93.6	SQ CAGE INV RATED	

F.L. TORQUE		LOCKED ROTOR AMPS	L.R. TORQUE				F.L. RISE°C		
184.5 LB	-FT	1630 / 815	274	LB-FT	149 %	501	LB-FT	272 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT	
- dBA	- dBA	- LB-FT^2	- LB-FT^2	15 SEC.	2	1015 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	FRAME
DE	ODE	GREASE	SHAFITIPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6316	6314	POLIKEX EM				1045 HOT KULLED (C-204)	

	THERMO-PROTECT	THERMISTORS	CONTROL	CDACE HEATERS			
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS	
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS	

INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE Ν **ENCODER:** NONE NONE NONE NONE PPR NONE Т **BRAKE:** NONE NONE P/N NONE NONE Ε NONE NONE NONE FT-LB NONE V NONE HZ S

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