PRODUCT INFORMATION PACKET



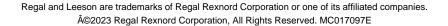
Model No: 170034.60

Catalog No: 170034.60

WATTSAVER® General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,

3600 & 3000 RPM, 256T Frame, DP









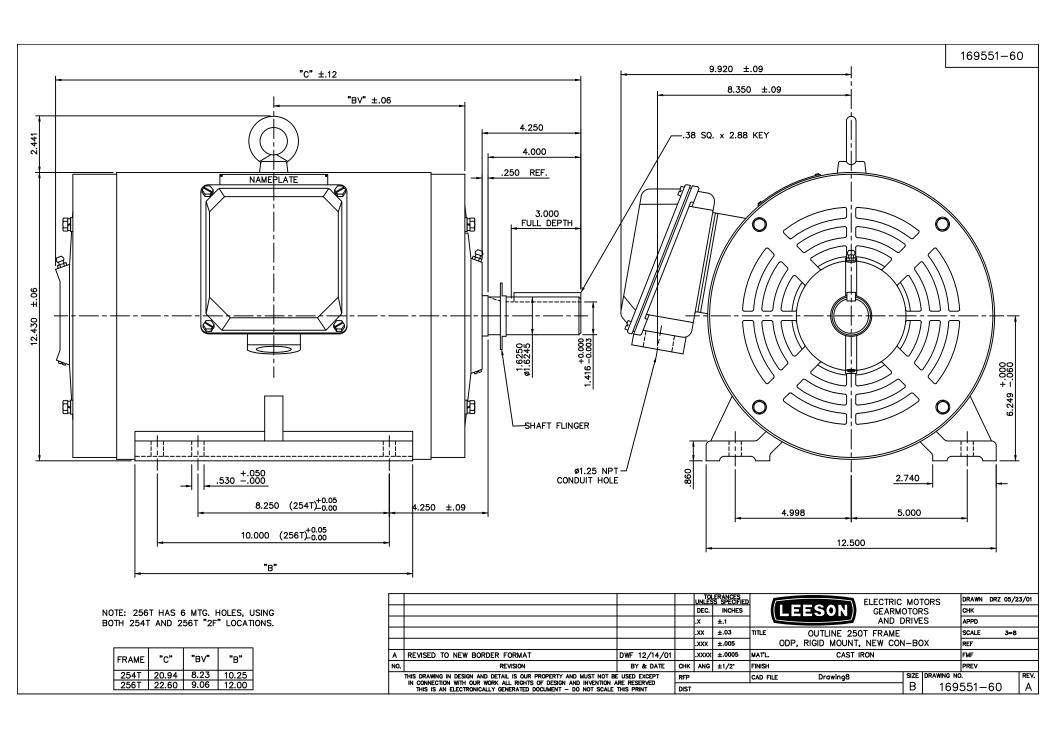
Nameplate Specifications

3	Output HP	25 & 20 Hp
18.7 & 14.9 kW	Voltage	208-230/460 & 190/380 V
3545 & 2945 rpm	Service Factor	1.15 & 1.15
256T	Enclosure	Drip Proof
No Protection	Efficiency	93 & 92.4 %
40 °C	Frequency	60 & 50 Hz
64-57/28.6 & 53/26.6 A	Power Factor	89
Continuous	Insulation Class	F
В	KVA Code	G
6309	Opp Drive End Bearing Size	6208
Recognized	CSA	Υ
Υ	IP Code	22
1		
	18.7 & 14.9 kW 3545 & 2945 rpm 256T No Protection 40 °C 64-57/28.6 & 53/26.6 A Continuous B 6309 Recognized	18.7 & 14.9 kW 3545 & 2945 rpm Service Factor Enclosure No Protection Efficiency 40 °C Frequency 64-57/28.6 & 53/26.6 A Power Factor Continuous Insulation Class B KVA Code 6309 Opp Drive End Bearing Size Recognized CSA

Technical Specifications

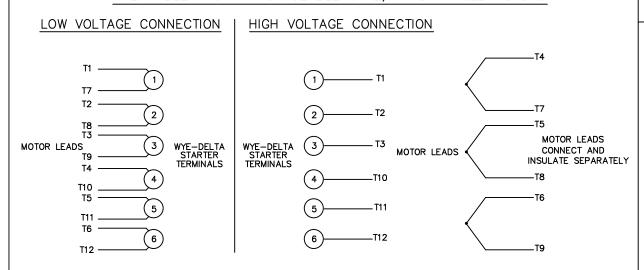
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.326 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	22.60 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	16955160-256T	Connection Drawing	004172.01

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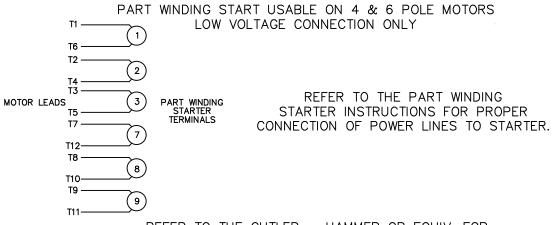


```
ERROR: undefined
OFFENDING COMMAND: fora
STACK:
{dup type /operatortype eq {[ exch ] cvx def }{pop pop }ifelse }
-dictionary-
-dictionary-
/Pscript_WinNT_Compat
-dictionary-
```

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.



REFER TO THE CUTLER — HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

				UNLES	S SPECIFIED				ELECTRIC	MOT	ΓORS	DRAWN	WLW 09/0)8/77
				DEC.	INCHES				GEARM	OTOR	RS	снк	RPB 09/12	/77
				.x	±.1				AND [RIVE	S	APPD	JCW 09/12	2/77
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00		.xx	±.01	TITLE	DELTA -	WYE C	ONNECTION	DIA	GRAM	SCALE	1=1	
02	ADDED T-STAT. NOTES PER ELECTRICAL	KMM 06/02/98		.xxx	±.005							REF		
01	REDRAWN TO CAD	DBT 06/02/97		.xxxx	±.0005	MAT'L.						FMF		
NO.	REVISION	BY & DATE	снк	ANG	±1/2°	FINISH						PREV		
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT					CAD FILE	00	0417201		SIZE	DRAWING NO			REV.
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION A THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE	DIST				Α	004	172-	-01	03				

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	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								

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

CATALOG #: 170034.60

CONN. DIAGRAM: 004172.01 **OUTLINE:** 16955160-256T **WINDING #:** T12902024 3

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MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
25&20	18.7&14.9	3600	3545&2945	256T	DP	G	В	

F	Ή	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
	3	60/50	208-230/460&190/380	64-57/28.6&53/26.6	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	93&92.4	3/4 LOAD EFF:	92.5	1/2 LOAD EFF:	92	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	89&92.3	3/4 LOAD PF:	89	1/2 LOAD PF:	84.5	92.4	SQ CAGE INV RATED

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
37.5 LB-FT	364 / 182	70.3 LB-FT 187 %	105 LB-FT 0 %	47

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	- LB-FT^2	- LB-FT^2	15 SEC.	-	315 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)

BEAR	RINGS	GREASE	SHAFT TYPE	CDECTAL DE	CDECTAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFITYE	PE SPECIAL DE SPECIAL ODE		MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	Ŧ	NONE	NONE	1045 HOT DOLLED (C 204)	CACT IDON	
6309	09 6208 POLYREX EM		1	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	

	THERMISTORS	CONTROL	SPACE HEATERS				
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	INERMISIONS	CONTROL	OL SPACE HEATERS	
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS

INVERTER TORQUE: CONSTANT 2:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE

NONE FT-LB NONE V NONE Hz

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