PRODUCT INFORMATION PACKET



Model No: 170006.60 Catalog No: 170006.60

WATTSAVER® General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,

1800 & 1500 RPM, 256T Frame, DP









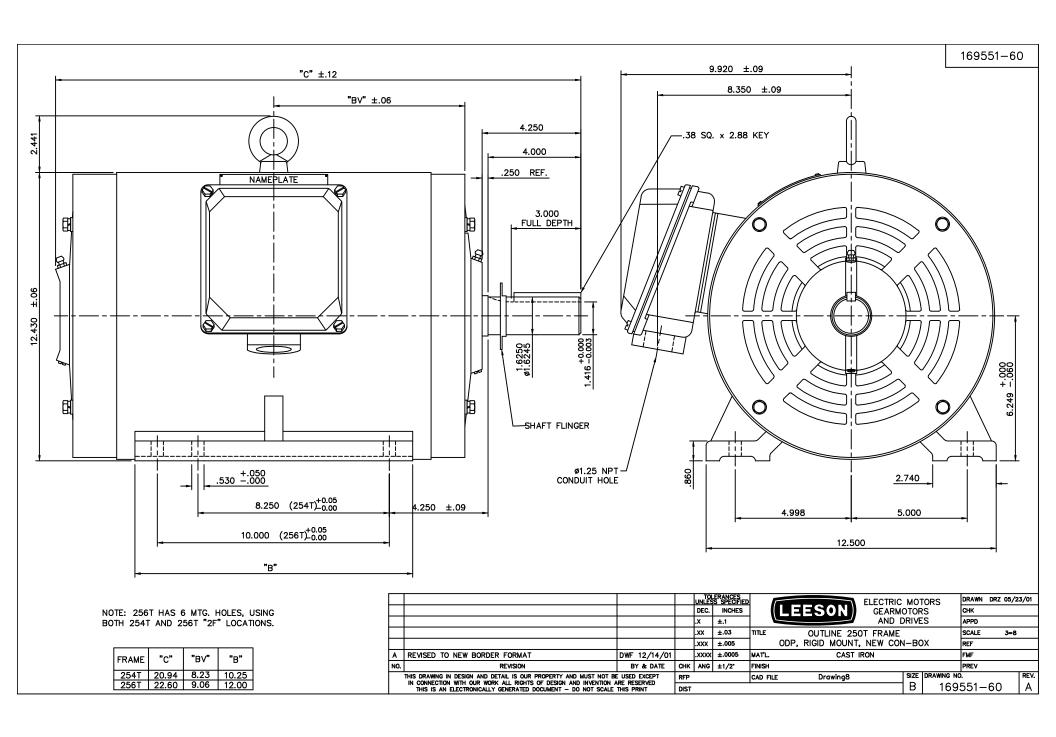
Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	208-230/460 & 190/380 V
Speed	1775 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	256T	Enclosure	Drip Proof
Thermal Protection	Thermostat	Efficiency	93 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	55-51/25.5 & 47/23.5 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	F
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Υ
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

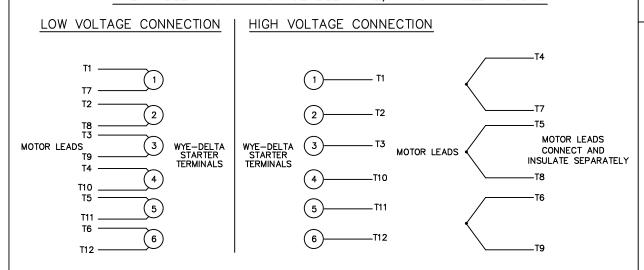
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.41 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	22.60 in
Shaft Diameter	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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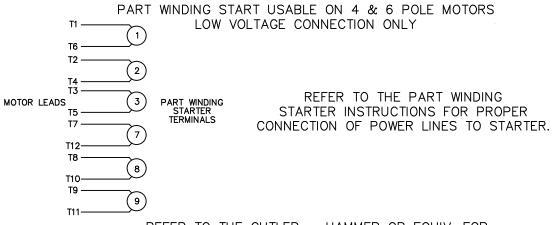


```
ERROR: undefined
OFFENDING COMMAND: fora
STACK:
{dup type /operatortype eq {[ exch ] cvx def }{pop pop }ifelse }
-dictionary-
-dictionary-
/Pscript_WinNT_Compat
-dictionary-
```

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		RFP			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	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	



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

CATALOG #: 170006.60

CONN. DIAGRAM: 004172.01

OUTLINE: 16955160-256T **MOUNTING:** F1/F2 CAPABLE

WINDING #: T12904023 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	1800	1775&1480	256T	DP	F	В

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
3	60/50	208-230/460&190/380	55-51/25.5&47/23.5	LINE OR INVERTER	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	93&93	3/4 LOAD EFF:	93	1/2 LOAD EFF:	93	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	83&78.3	3/4 LOAD PF:	79	1/2 LOAD PF:	70	92.4	SQ CAGE INV RATED

F.L. TORQUE	F.L. TORQUE LOCKED ROTOR AMPS		TORQUE	I	B.D. TORC	F.L. RISE°C	
59.2 LB-FT	280 / 140	108 LE	B-FT 182 %	190	LB-FT	320 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
74 dBA	84 dBA	0 LB-FT^2	0 LB-FT^2	20 SEC.	2	350 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	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	_	NONE	NONE	104F HOT DOLLED (C 204)	CACT IDON	
6309	6208	POLYREX EM	l	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	

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

*	INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: NONE
N	ENCODER: NONE
o	NONE NONE PPR
т	BRAKE: NONE NONE
E	NONE P/N NONE
-	NONE NONE NONE FT-LB NONE V NONE Hz
S	15312 115112

7/19/2018

