

PRODUCT INFORMATION PACKET



Model No: G151356.22
Catalog No: G151356.22
7.50 HP General Purpose Motor, 3 phase, 900 RPM, 208-230/460 V, 256T Frame, TEFC
General Purpose Motors



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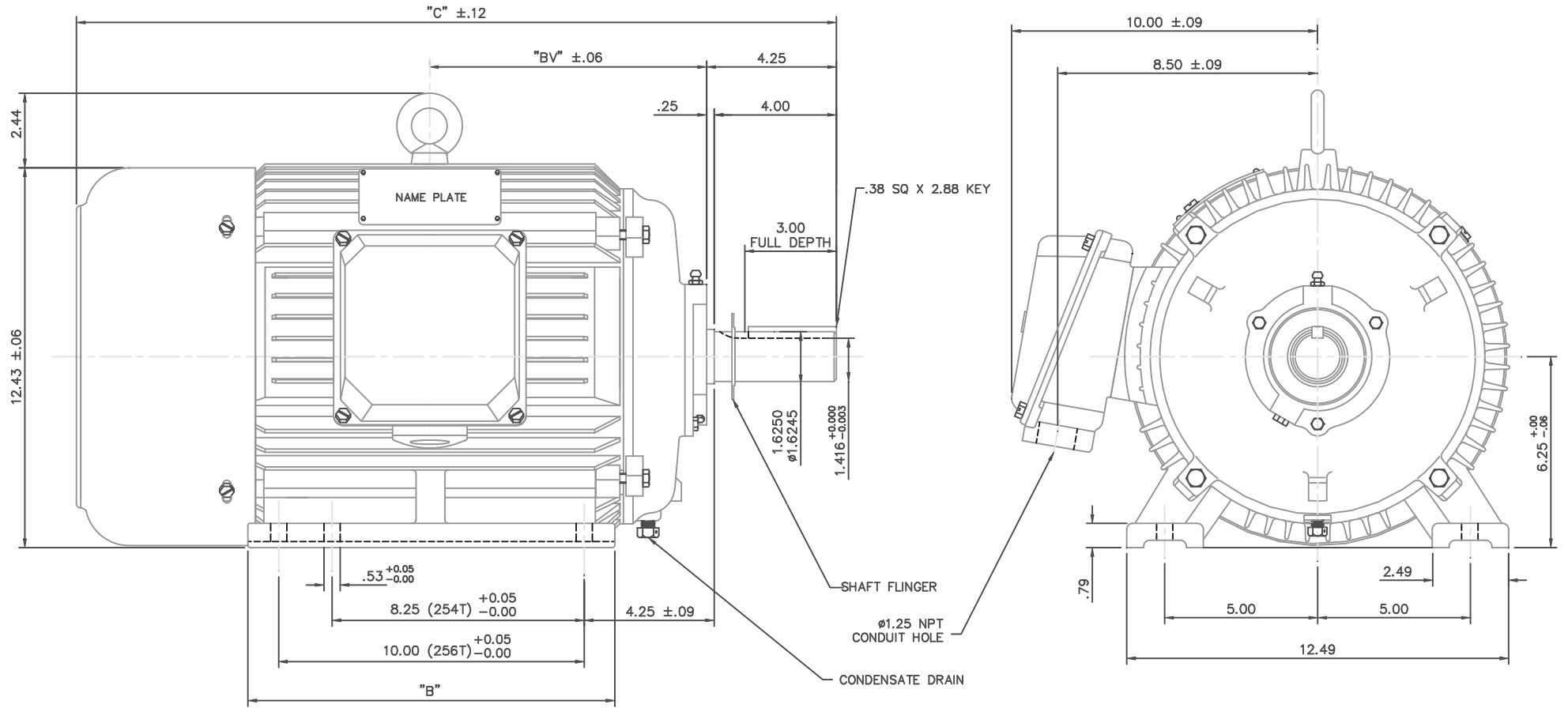


Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	20.0/10.0 A	Speed	840 rpm
Service Factor	1.15	Phase	3
Efficiency	87.7 %	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6308
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Resistance Main	1.62 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	24.92 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	16953860-256T	Connection Drawing	004172.01



NOTE: 256T HAS 6 MTG. HOLES, USING BOTH 254T AND 256T "2F" LOCATIONS.

FRAME	"C"	"B"	"BV"
254T	23.19	10.25	8.19
256T	24.92	12.00	9.06

				TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION		
				DEC.	INCHES	METRIC			
				.X	±.1	±2.5	DRAWN	DRZ 05/22/01	TITLE
				.XX	±.03	±.76	APPR.		OUTLINE - 250 FRAME
				.XXX	±.005	±.127	R.F.P.		TEFC - RIGID, NEW CON-BOX
01	REDRAWN TO CURRENT CAD STANDARDS	CJK 8/3/01		.XXX	±.005	±.127	SCALE	5=16	MAT'L
NO.	REVISION	BY & DATE	CHK'D.	.XXXX	±.0005	±.0127	SCALE	5=16	CAST IRON
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				ANGLES	±1/2°	FMF		01	169538-60

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

LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



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

PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY

REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

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

LINE LEADS



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	

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2"



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN WLW 09/08/77

CHK RPB 09/12/77

APPD JCW 09/12/77

SCALE 1=1

REF

FMF

PREV

NO.	REVISION	BY & DATE	CHK	ANG
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00	.XX	±.01
02	ADDED T-STAT. NOTES PER ELECTRICAL	KMM 06/02/98	.XXX	±.005
01	REDRAWN TO CAD	DBT 06/02/97	.XXXX	±.0005

TITLE DELTA - WYE CONNECTION DIAGRAM

MAT'L.

FINISH

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RFP

DIST

CAD FILE 00417201

SIZE

A

DRAWING NO.

004172-01

REV.

03



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 004172.01

CATALOG #: G151356.22

OUTLINE: 16953860-256T

MOUNTING: F1/F2 CAPABLE

WINDING #: T12908002 FR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	900	840	256T	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	208-230/460	20/10	ACROSS THE LINE	CONTINUOUS	F3	1.15	40

FULL LOAD EFF:	87.7	3/4 LOAD EFF:	89.3	1/2 LOAD EFF:	89.9	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	70	3/4 LOAD PF:	75.2	1/2 LOAD PF:	62	-		SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
47.63 LB-FT	225 / 112.5	91.5 LB-FT 195 %	112.6 LB-FT 240 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	3.685 LB-FT^2	- LB-FT^2	- SEC.	-	- 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 MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	CAST IRON
6309	6308						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/31/2018

G151356.22



Data @ 460 V

Motor Load Data

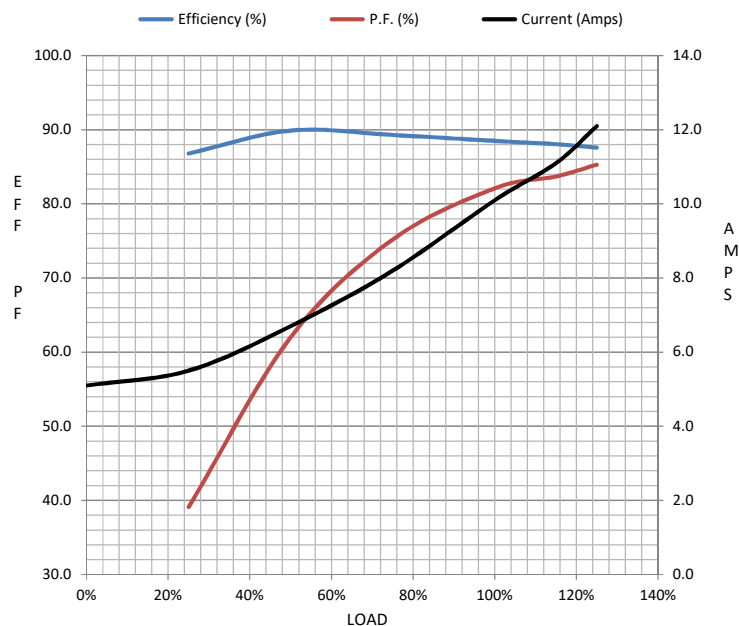
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.1	5.5	6.7	8.2	10.1	11.1	12.1	113	
Torque (ft-lb)	0.00	11.7	23.6	35.2	47.6	53.3	58.9	91.5	
RPM	900	893	886	877	864	862	860	0	
Efficiency (%)		86.8	89.9	89.3	88.5	88.1	87.6		
P.F. (%)	11.1	39.1	62.0	75.2	82.1	83.7	85.3	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	450	828	864	900
Current (Amps)	113	104	67.5	10.1	5.1
Torque (ft-lb)	91.5	77.8	113	47.6	0.00

Information Block

HP	7.5			
Sync. RPM	900			
Frame	254			
Enclosure	TEFC			
Construction	TFC			
Voltage	208-230/460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	49 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	3.7 Lb-Ft²			
Ref Wdg	T12908002 FR			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	16953860			
Conn. Diag	004172.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

