PRODUCT INFORMATION PACKET



Model No: 824533.00 Catalog No: 824533.00

20 HP Severe Duty Motor, 3 phase, 1800 RPM, 230/460 V, 256TV Frame, TEAO

Severe Duty Motors



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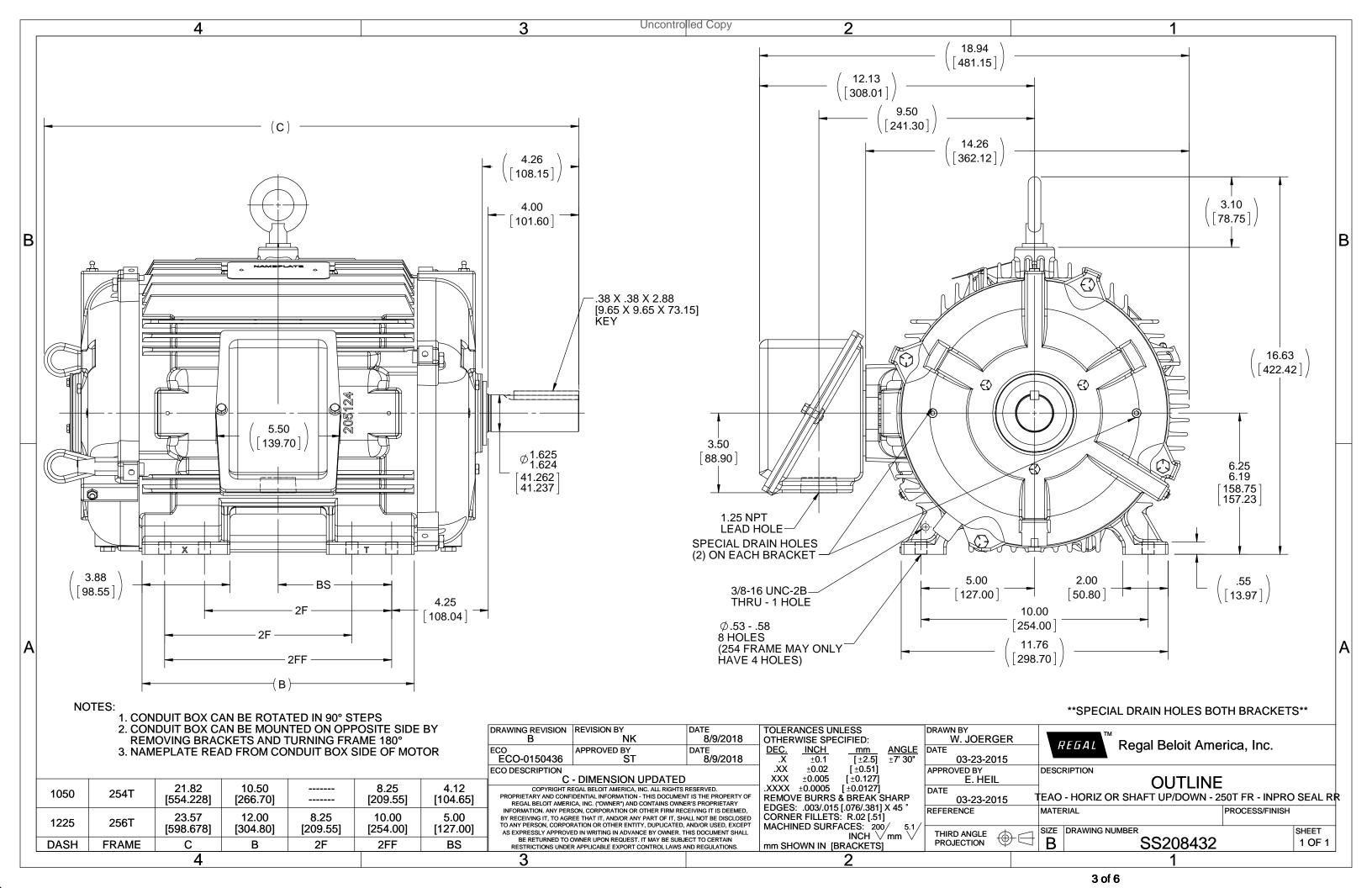
Nameplate Specifications

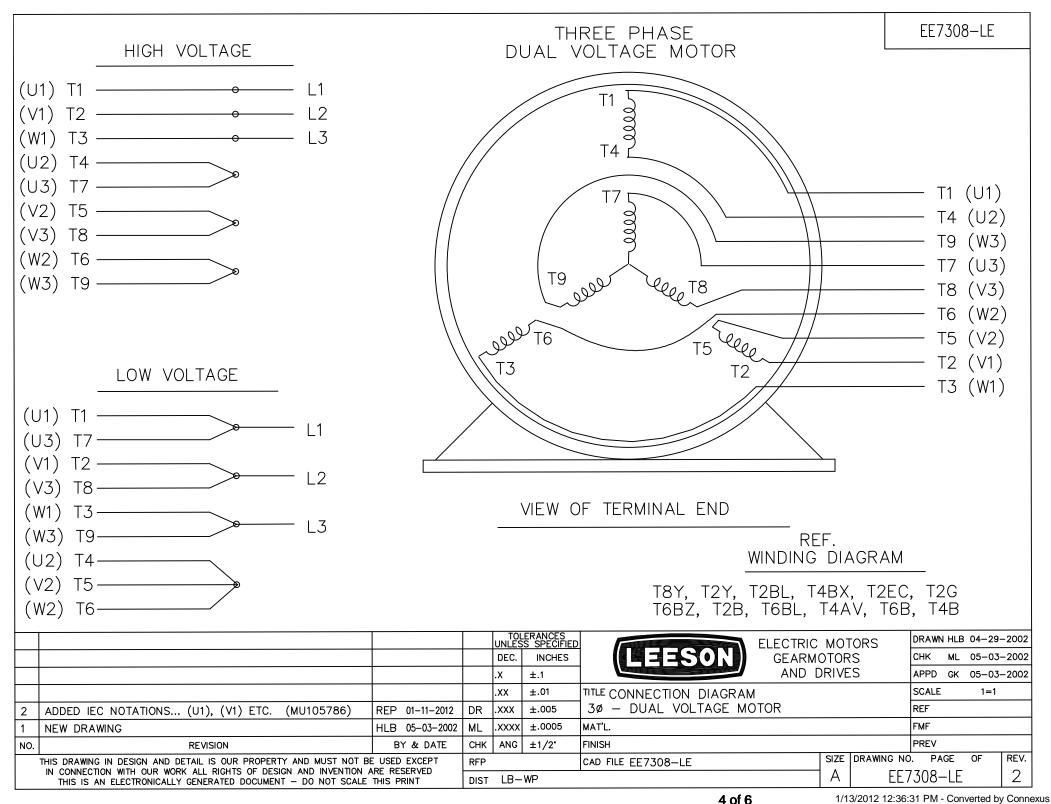
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	50.0/25.0 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B KVA Code		F
Frame	256TV	Enclosure	Totally Enclosed Air Over
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Υ
CE	Υ	IP Code	56
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.468 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	24.31 in
Frame Length	12.25 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS208432-1225	Connection Drawing	A-EE7308-LE

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

CATALOG #: 824533.00

CONN. DIAGRAM: A-EE7308-LE **OUTLINE:** B-SS208432-1225 **WINDING #:** K2564181 R10 6

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20	14.9	1800	1765	256TV	TEAO	F	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	АМВ°С
3	60	230/460	50/25	LINE OR INVERTER	CONTINUOUS	F3	1.15	40

FULL LOAD EFF: 91	3/4 LOAD EFF: 91	1/2 LOAD EFF: 90.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF: 82	3/4 LOAD PF: 79.5	1/2 LOAD PF: 70	89.5	SQ CAGE INV RATED

	F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
ſ	59.5 LB-FT	280 / 140	108 LB-FT 182 %	145 LB-FT 244 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	2.7 LB-FT^2	- LB-FT^2	20 SEC.	-	325 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL OR UP OR DOWN	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (EPOXY)

BEAR	ARINGS		SHAFT TYPE	SPECIAL DE SPECIAL ODE		SHAFT	FRAME
DE	ODE	GREASE	SHAFITTE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	DOLVDEY EM	Ŧ	NONE	NONE	1045 HOT BOLLED (C 204)	CACT IDON
6309	6210	POLYREX EM	1	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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

INVERTER TORQUE: VARIABLE 10:1
INV. HP SPEED RANGE: NONE

NONE NONE PPR

BRAKE: NONE NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE HZ

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