# PRODUCT INFORMATION PACKET



Model No: 171782.60 Catalog No: 171782.60

Severe Duty Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,

286T Frame, TEFC



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## Nameplate Specifications

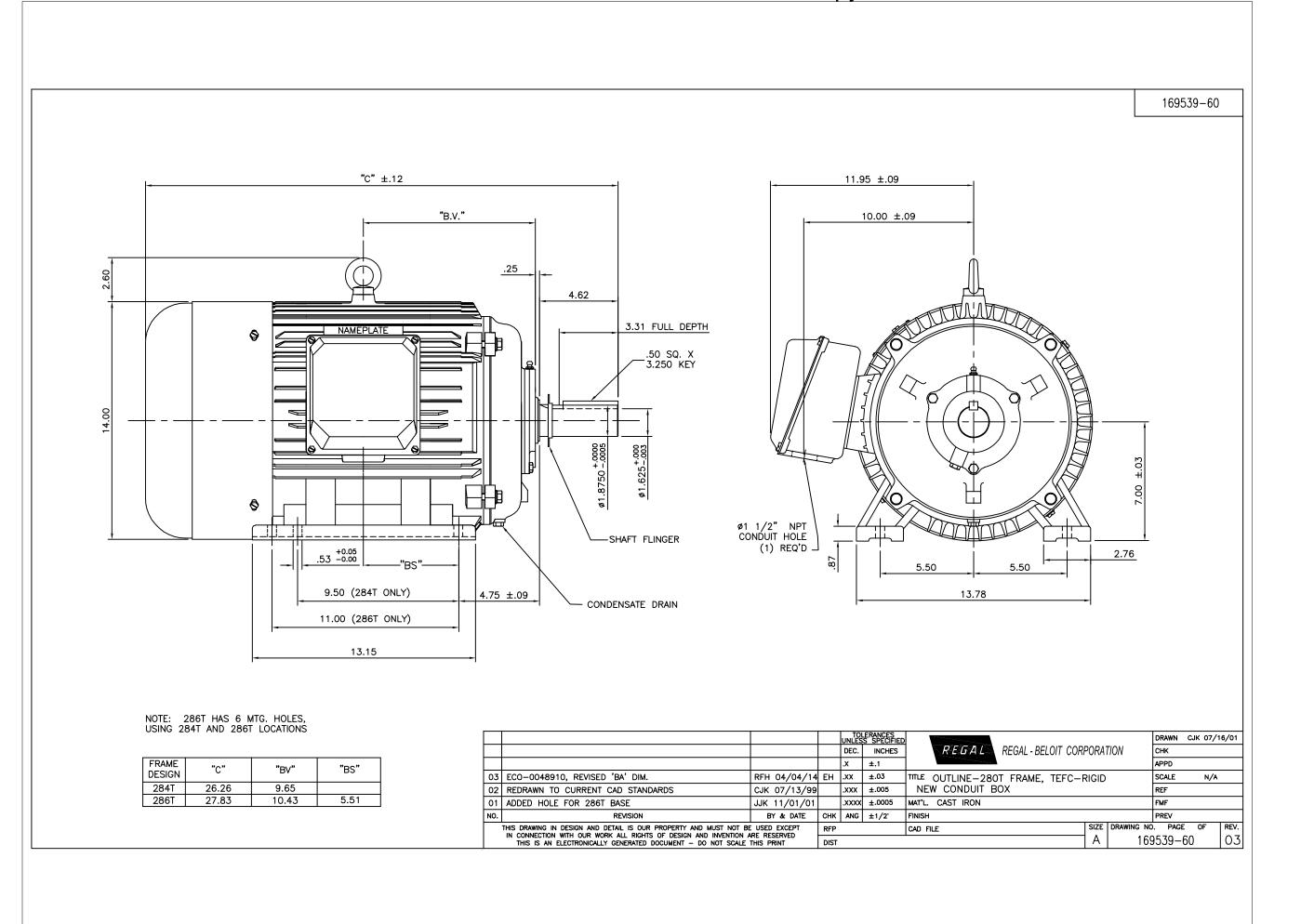
Phase	3	Output HP	30 & 25 Hp
Output KW	22.4 & 18.7 kW	Voltage	208-230/460 & 190/380 V
Speed	1770 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	286T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	77-70/35 & 71/35.5 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	Н
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6309
UL	Recognized	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	1		

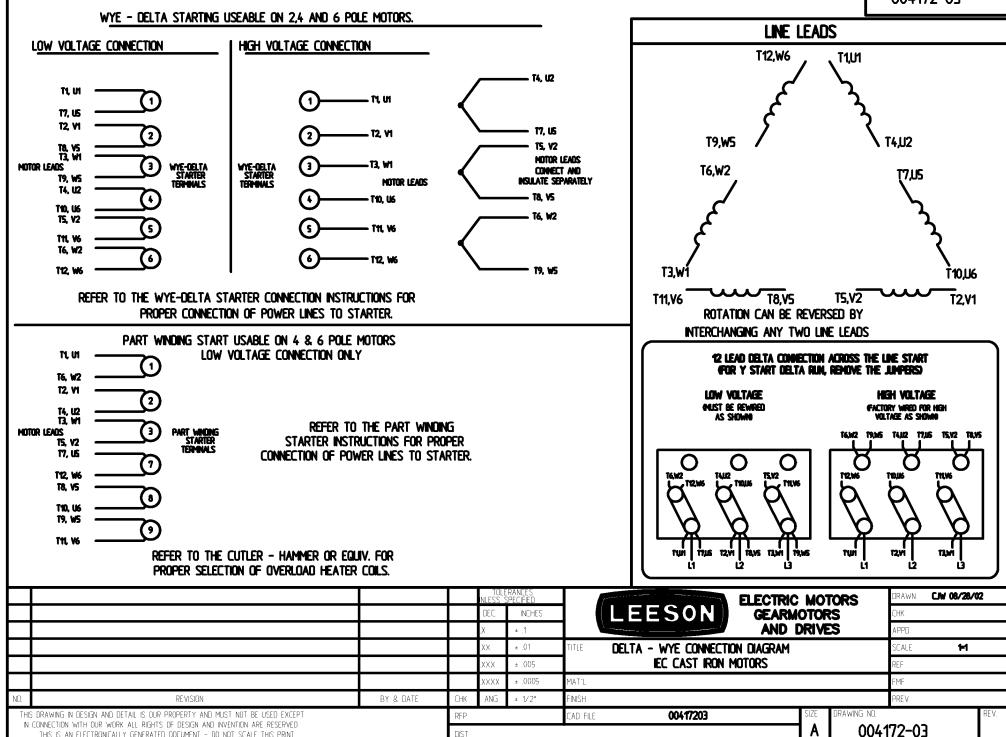
## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.052 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	27.83 in
Shaft Diameter	1.875 in	Shaft Extension	4.62 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	00417203	Outline Drawing	16953960-286T

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

**CATALOG #:** 171782.60

**CONN. DIAGRAM:** 00417203

**OUTLINE:** 16953960-286T **MOUNTING:** F1/F2 CAPABLE

**WINDING #:** T14504006 3

#### **TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
30&25	22.4&18.7	1800	1770&1480	286T	TEFC	Н	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
3	60/50	208-230/460&190/380	77-70/35&71/35.5	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	94.1&93	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	85&85.7	3/4 LOAD PF:	81.4	1/2 LOAD PF:	71.7	93	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. T	L.R. TORQUE		B.D. TORG	QUE	F.L. RISE°C
89 <b>LB-FT</b>	480 / 240	172 <b>LB-</b>	FT 193 %	247	LB-FT	278 %	46

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 <b>dBA</b>	85 <b>dBA</b>	4.7 <b>LB-FT^2</b>	- LB-FT^2	20 <b>SEC.</b>	2	432 <b>LBS.</b>

### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

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

BEARINGS		CDEACE	CHAFT TYPE	CDECTAL DE	CDECTAL ODE	SHAFT	FRAME
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	DOLVDEY EM	т	NONE	NONE	AICI 104E (C 240)	CACT IDON
6311	6309	POLYREX EM	'	NONE	NONE	AISI 1045 (C <b>-</b> 240)	CAST IRON

	THERMO-PROTE	CTORS	THERMISTORS	CONTROL	SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE <b>VOLTS</b>

*	INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE
N	ENCODER: NONE
0	NONE NONE PPR
т	BRAKE: NONE NONE
E	NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

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