PRODUCT INFORMATION PACKET

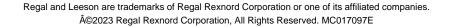


Model No: 171781.60 Catalog No: 171781.60

Severe Duty Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,

286TS Frame, TEFC







Product Information Packet: Model No: 171781.60, Catalog No:171781.60 Severe Duty Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM, 286TS Frame, TEFC



Nameplate Specifications

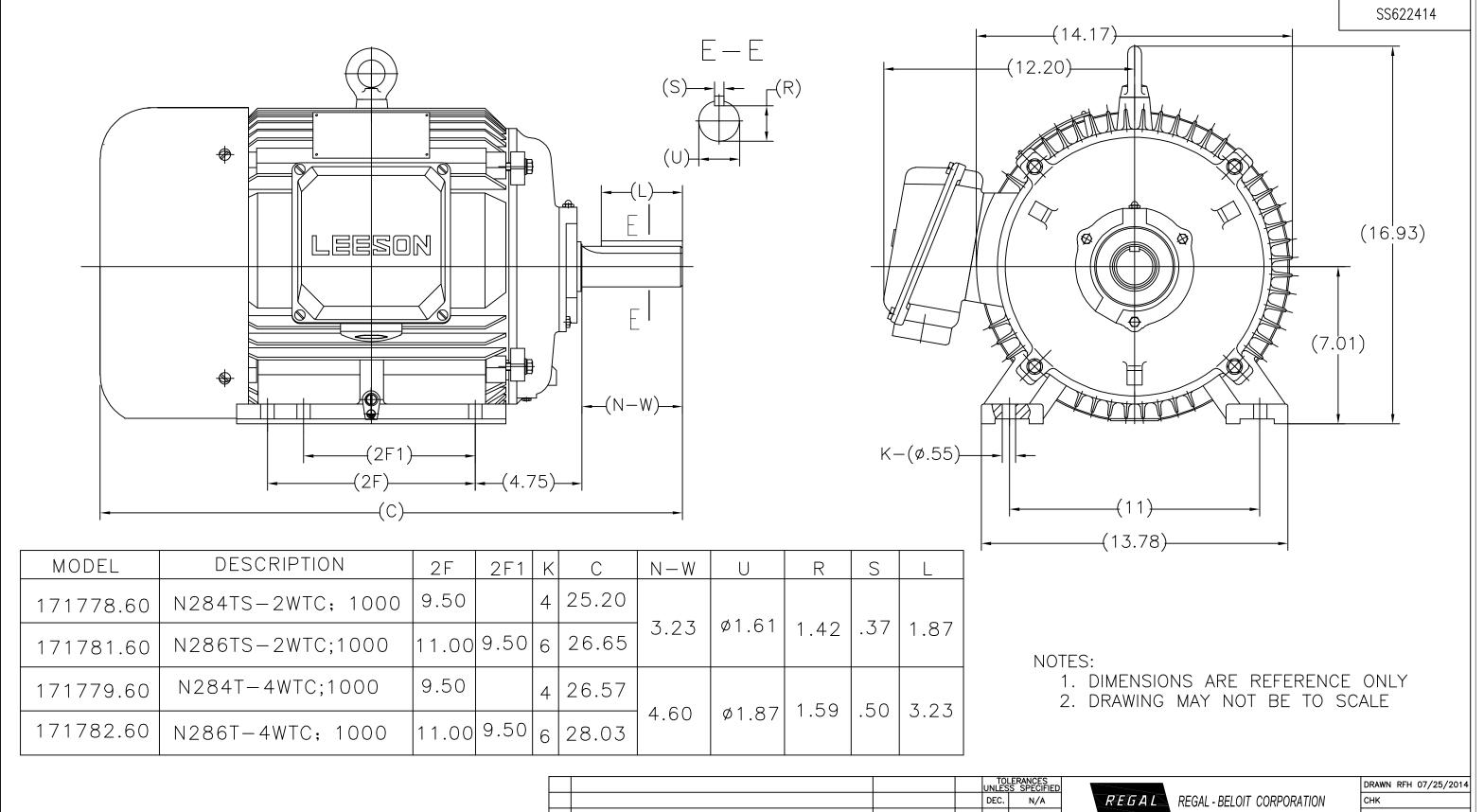
Phase	3	Output HP	30 & 25 Hp
Output KW	22.4 & 18.7 kW	Voltage	208-230/460 & 190/380 V
Speed	3552 & 2950 rpm	Service Factor	1.15 & 1.15
Frame	286TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	74-68/34 & 66.5/33 A	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6309
UL	Recognized	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	1	Hazardous Location	DIVISION 2

Technical Specifications

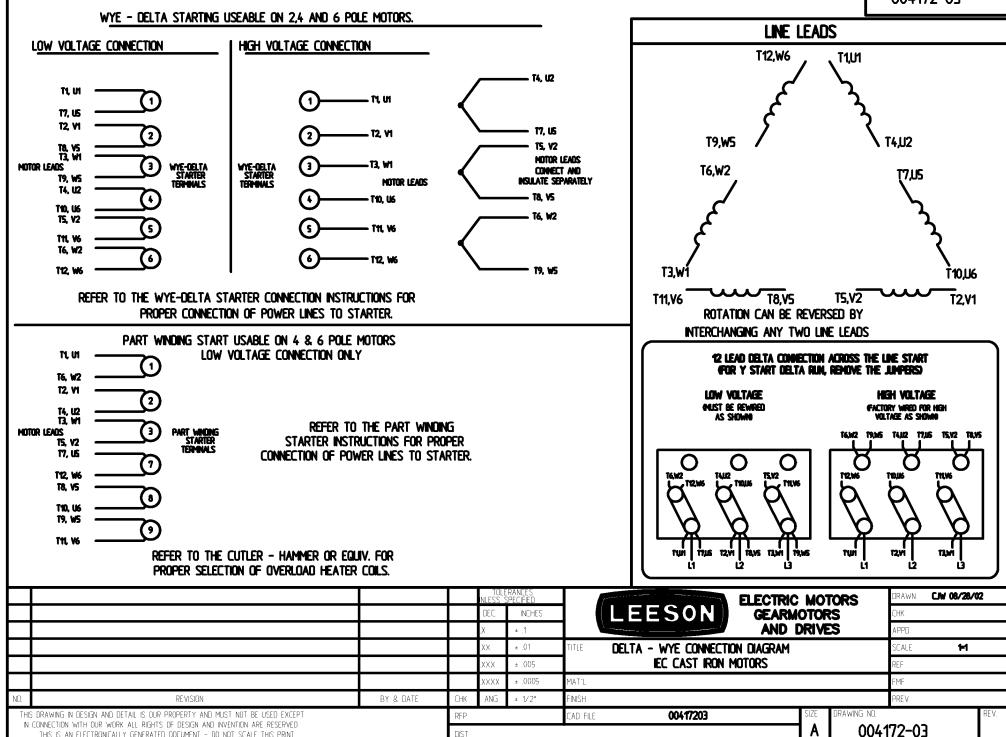
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	26.65 in	Shaft Diameter	1.625 in
Shaft Extension	3.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS622414	Connection Drawing	00417203

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				DEC.	N/A	REGAL REGAL - BELOIT CORP	PORATION	СНК	
				.x	±-			APPD SB 07/25/	′2014
				.xx	±-	TITLE OUTLINE - TEFC		SCALE N/A	
				.xxx	±-	280T FR N280-2,4WTC;1000		REF	
				.xxxx	±-	MAT'L.		FMF ECO-005196	69
NO.	REVISION	BY & DATE	снк	ANG	±-	FINISH		PREV	
			RFP			CAD FILE SS622414.dwg	SIZE DRAWING NO		REV.
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT						A SS	6622414	.



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

CATALOG #:171781.60

CONN. DIAGRAM: 00417203

OUTLINE: SS622414 **MOUNTING:** F1/F2 CAPABLE

WINDING #: T14502017 3

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
30&25	22.4&18.7	3600	3552&2950	286TS	TEFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
3	60/50	208-230/460&190/380	74-68/34&66.5/33	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	94.1&93	3/4 LOAD EFF:	94.5	1/2 LOAD EFF:	95.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	88.5&91.6	3/4 LOAD PF:	88	1/2 LOAD PF:	84.5	92.4	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE			В	F.L. RISE°C		
44.5 LB-FT	434 / 217	90.6	LB-FT	205 %	117.5	LB-FT	265 %	70

SOUND PI @ 3		SOUND	POWER	ROTO	ROTOR WK^2		X. WK^2	SAFE STALL TIME		STARTS / HOUR	APPROX MOTOR W	
79.5	dBA	89.5	dBA	2.05	LB-FT^2	2	LB-FT^2	20	SEC.	2	- LB	s.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER		PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2	FALSE	NONE	GREEN (EPOXY)

BEAR	RINGS	CDEACE	CHAFT TYPE	SHAFT TYPE SPECIAL DE		SHAFT	FRAME	
DE	ODE	GREASE	SHAFITYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	TC	NONE	NONE	AICI 104E (C 240)	CACT IDON	
6311	6309	POLYREX EM	TS	NONE	NONE	AISI 1045 (C - 240)	CAST IRON	

	THERMO-PROTE	CTORS	THERMISTORS	CONTROL	CDACE 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
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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