PRODUCT INFORMATION PACKET



Model No: 171784.60 Catalog No: 171784.60

Severe Duty Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,

324TS Frame, TEFC









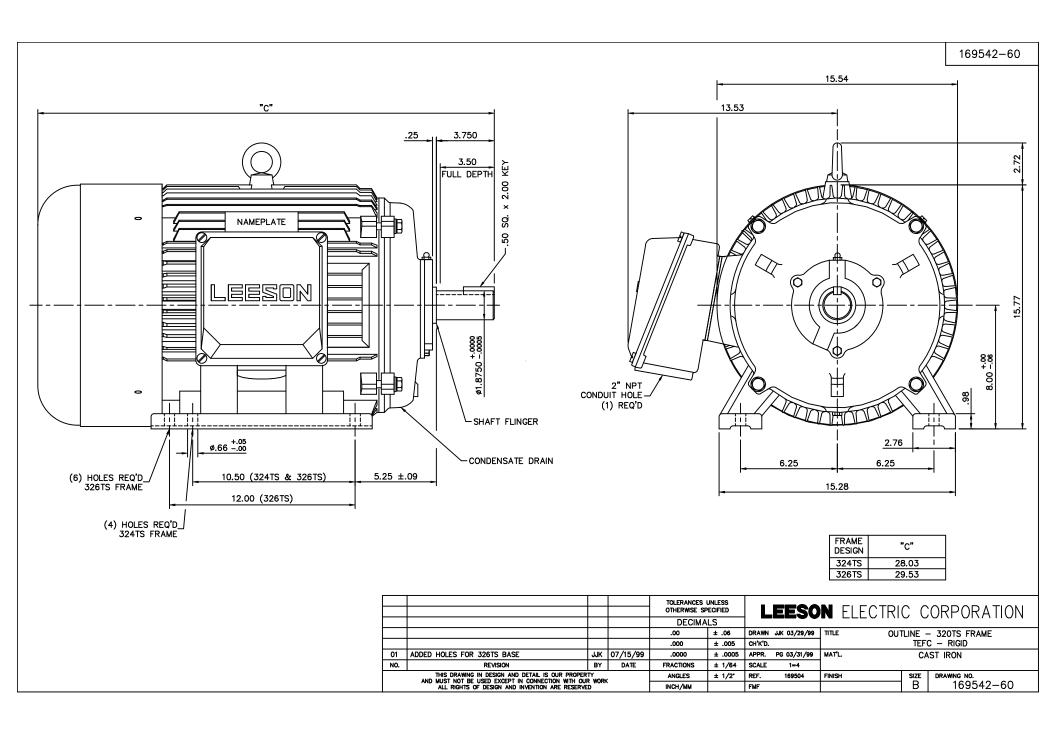
Nameplate Specifications

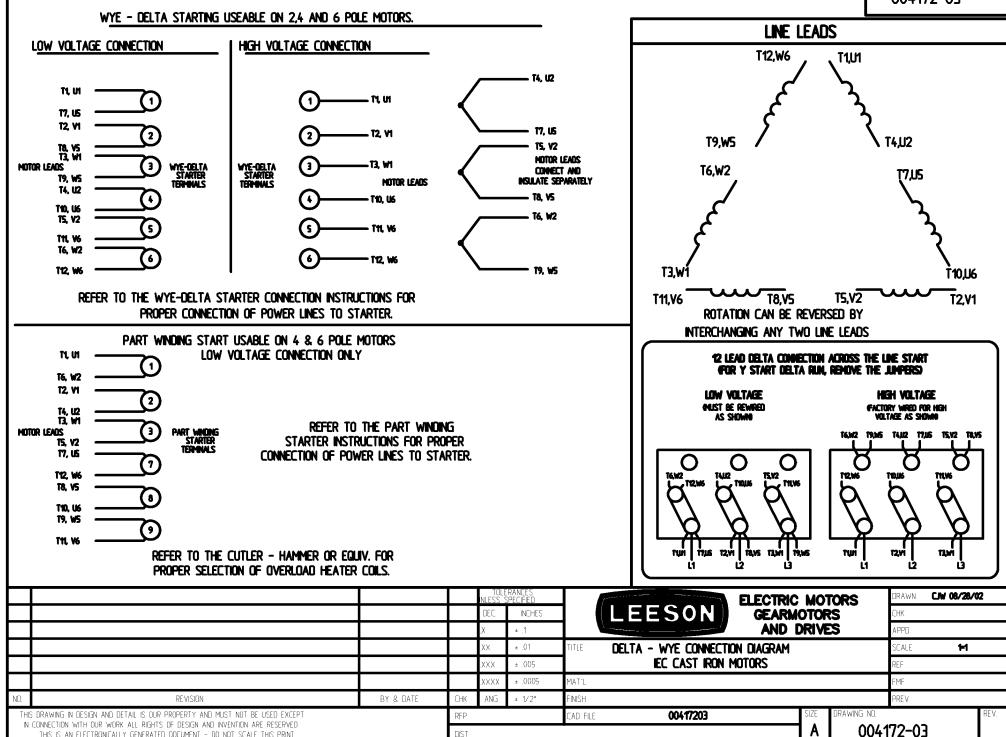
Phase	3	Output HP	40 & 30 Hp
Output KW	30.0 & 22.4 kW	Voltage	208-230/460 & 190/380 V
Speed	3555 & 2960 rpm	Service Factor	1.15 & 1.15
Frame	324TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	92.4 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	99-90/45 & 81/40.5 A	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
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	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	28.03 in	Shaft Diameter	1.875 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	16954260-324TS	Connection Drawing	00417203

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ERROR: syntaxerror
OFFENDING COMMAND: --nostringval-STACK:

/CB
-dictionary/Pscript_WinNT_Compat
-dictionary-



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

CATALOG #: 171784.60

CONN. DIAGRAM: 00417203

OUTLINE: 16954260-324TS **MOUNTING:** F1/F2 CAPABLE

WINDING #: T16102016 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40&30	30.0&22.4	3600	3555&2960	324TS	TEFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
3	60/50	208-230/460&190/380	99-90/45&81/40.5	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	92.4&93	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	92.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	88.5&90.2	3/4 LOAD PF:	86.4	1/2 LOAD PF:	81.7	91.7	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. T	ORQUE		B.D. TORG	QUE	F.L. RISE°C
59.1 LB-FT	624 / 312	124 LB-	FT 210 %	147	LB-FT	250 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
55 dBA	65 dBA	3.24 LB-FT^2	3.2 LB-FT^2	20 SEC.	2	- LBS.

*** 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	DIVISION 2	FALSE	NONE	GREEN (EPOXY)

BEAR	RINGS	CDEACE	GREASE SHAFT TYPE SPECIAL DE SPECIAL ODE		SHAFT	FRAME		
DE	ODE	GREASE	SHAFITYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	POLYREX EM	TC	NONE	NONE	AICI 104E (C 240)	CACT IDON	
6312	6312	POLIKEX EM	TS	NONE	NONE	AISI 1045 (C - 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 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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