PRODUCT INFORMATION PACKET



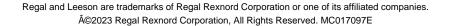
Model No: 825073.00

Catalog No: 825073.00

Explosion Proof Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,

213TC Frame, EPFC









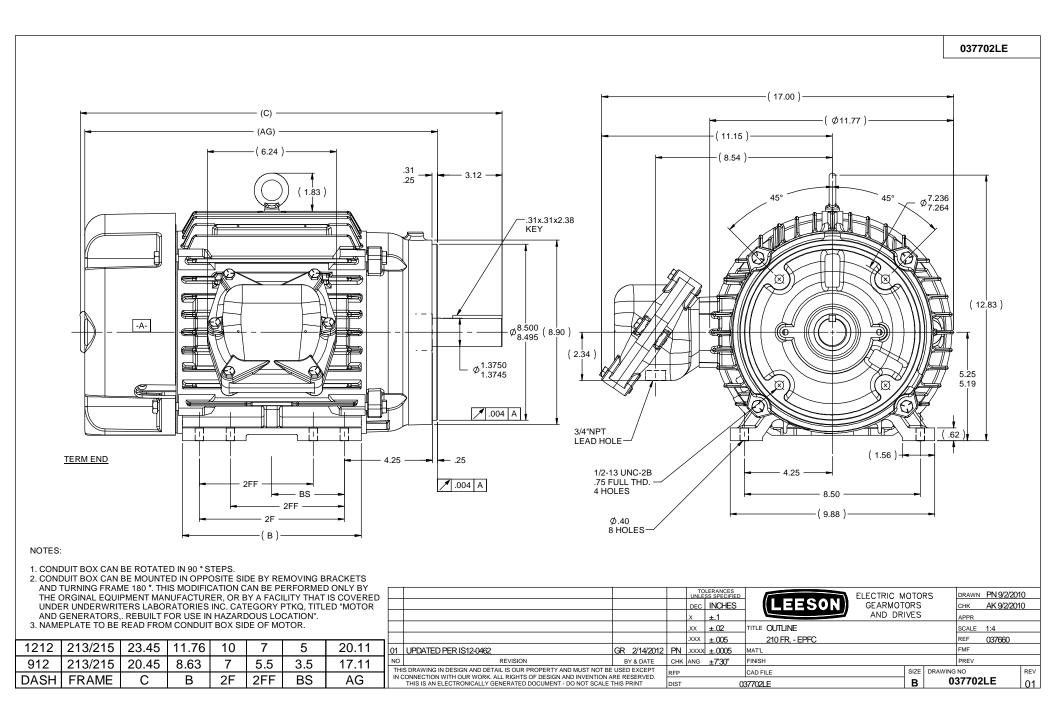
Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 190/380 V
Speed	1770 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	213TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	91.7 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	20/10 & 17.4/8.7 A	Power Factor	76.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	Н
Drive End Bearing Size	309	Opp Drive End Bearing Size	208
UL	UL Listed; also, UL Certified for Canada	CSA	N
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B
			130

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	1.18 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	20.45 in
Frame Length	9.12 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 Only
Outline Drawing	037702LE-912	Connection Drawing	A-EE7308TLE

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7308TLE CATALOG #: 825073.00

OUTLINE: 037702LE-912 MOUNTING: F1 ONLY

WINDING #: K2134268 1

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&5	5.60&3.70	1800	1770&1475	213TC	EPFC	Н	В

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60/50	230/460&190/380	20/10&17.4/8.7	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	91.7&91	3/4 LOAD EFF:	91.4	1/2 LOAD EFF:	90.6	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	76.5&71.2	3/4 LOAD PF:	68.1	1/2 LOAD PF:	56	91	SQ CAGE INV RATED

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.2 LB-FT	135 / 67.5	52.9 LB-FT 238 %	75 LB-FT 338 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX, WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.85 LB-FT^2	45 LB-FT^2	25 SEC.	2	140 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	JTY LOCATION C		SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	TRUE	EXP PROOF CL I GR C&D CL II GR F&G T3B	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEAR	EARINGS		CHAFT TYPE	CDECTAL DE	CDECTAL ODE	SHAFT	FRAME
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL MATERIAL	
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT DOLLED (C 204)	CAST IRON
309	208	POLTREX EM	l	NONE	NONE	1045 HOT ROLLED (C-204)	CASTIRON

	THERMISTORS	CONTROL	CDACE I	JEATERS			
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	L SPACE HEATERS	
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS

INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED Ν **ENCODER:** NONE NONE NONE 0 NONE PPR NONE Т BRAKE: NONE NONE P/N NONE NONE Ε NONE NONE FT-LB NONE V NONE HZ

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