

ABB BALDOR RELIANCE III

Customer information packet

EGDM2531T

25HP, 1770RPM, 3PH, 60HZ, 284TZ, 4050M, OPSB, F

Specifications

Enclosure	OPSB
Frame	284TZ
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV NEMA PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	64.000 A @ 208.0 V 60.000 A @ 230.0 V 30.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	N
Type	AC
Mech. spec.	40E235
Base	
Status	PRD/A
Elec. spec.	40WGX793
Layout	40LYE235
Eff. date	07-21-2026
CD Diagram	CD0005
Poles	04
Leads	9#10 8" from band Y
Proprietary	False
Created date	04-22-2015

High Voltage Full Load Amps	30.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4050M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	26.06 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1770 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3126L									
CAT.NO.	EGDM2531T								
SPEC.	40E235X793G1								
HP	25								
VOLTS	230/460								
AMP	60/30								
RPM	1770								
FRAME	284TZ		HZ	60			PH	3	
SER.F.	1.15		CODE	G	DES	A	CL	F	
NEMA-NOM-EFF	93.6		PF	82					
RATING	40C AMB-CONT								
CC	010A								
DE	6311		ODE	6309					
ENCL	OPSB		SN						

Parts List

Part number	Description	Quantity
SA300799	SA 40E235X793G1	1.000 ea
RA287859	RA 40E235X793G1	1.000 ea
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 ea
HA6017A01	CAST ADAPTOR	1.000 ea
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 ea
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 ea
WD1000B25	GND LUG, BURNDY L125HP OR T&B L125HP-BB	1.000 ea
19XW3118G08	.31-18X.50,HEX WSHR HD,TAPTITE 2,GREEN	1.000 ea
40EP3200A02	STD FREP OPEN 309 BRG	1.000 ea
HW4500A20	1/8NPT SL PIPE PLUG	1.000 ea
HW4500A20	1/8NPT SL PIPE PLUG	1.000 ea
10CB3000SP	KOBX, CAST W/2.00 LEAD HOLE	1.000 ea
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	4.000 ea
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 ea
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 ea
HA1166A06	RODENT SCREEN FOR 40 ENDPLATE 40EP3200.	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
40EP3200B06	SPL PUEP OPEN 311 BRG NO GREASER HOLES	1.000 ea
HA1166A06	RODENT SCREEN FOR 40 ENDPLATE 40EP3200.	1.000 ea
XY3816A12	3/8-16 FINISHED NUT W/SERRATIONS	8.000 ea
10CB3500SP	CONDUIT BOX LID, CAST	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 ea
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1025C02	WILKOFASST SG, 787.105, TAN	0.070 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 ea
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 ea
HA3154A04	THRUBOLT STUD 3/8-16 X 18.750	4.000 ea
LC0145B01	CONNECTION LABEL	1.000 ea

NP3126L	ALUM FARM DUTY SUPER-E UL CSA-EEV PREM	1.000 ea
40PA1000	PACKAGING GROUP	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

Typical performance - not guaranteed values

ABB Motors and Mechanical Inc.

WINDING # 40WGX793

Typical performance - not guaranteed values.

25 HP 3 PH 60 HZ 1770 RPM 460 V 4050M

TORQUES (LB-FT): PO=216 PU=88.8 LR=121 LRA=190





