BALDOR
A MEMBER OF THE ABB GROUP

BALDOR • RELIANCE

Product Information Packet

EM3554T-5

1.5HP,1760RPM,3PH,60HZ,145T,3526M,TEFC,F

Copyright © All product information within this document is subject to Baldor Electric Company copyright © protection, unless otherwise noted.

Part Detail							
Revision:	L	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3526M	**Elec. Spec:**	35WGM887	**CD Diagram:**	CD0006
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	35AA001	**Layout:**	35LYAA001
Frame:	145T	**Mounting:**	F1	**Poles:**	04	**Created Date:**	11-24-2010
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	09-27-2016
Leads:	3#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

BALDOR A MEMBER OF THE ABB GROUP

Nameplate NP3441L

CAT.NO.	EM3554T-5								
SPEC.	35AA001M887G1								
HP	1.5								
VOLTS	575								
AMP	1.8								
RPM	1760								
FRAME	145T		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	L	**DES**	B	**CL**	F		
NEMA-NOM-EFF	86.5	**PF**	73						
RATING	40C AMB-CONT								
CC	010A			**USABLE AT 208V**					
DE	6205		**ODE**	6203					
ENCL	TEFC	**SN**							
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									

BALDOR A MEMBER OF THE ABB GROUP

Parts List

Part Number	Description	Quantity
SA212893	SA 35AA001M887G1	1.000 EA
RA200122	RA 35AA001M887G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 EA
36GS1000	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35FE3100M01	FREP TEFC ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35PE3101A01	PUEP ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA

BALDOR
A MEMBER OF THE ABB GROUP

Parts List (continued)

Part Number	Description	Quantity
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP3441L	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

BALDOR
A MEMBER OF THE ABB GROUP

Accessories

Part Number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

BALDOR
A MEMBER OF THE ABB GROUP

AC Induction Motor Performance Data

Record # 32435 - Typical performance - not guaranteed values

Winding: 35WGM887-R001	**Type:** 3526M	**Enclosure:** TEFC

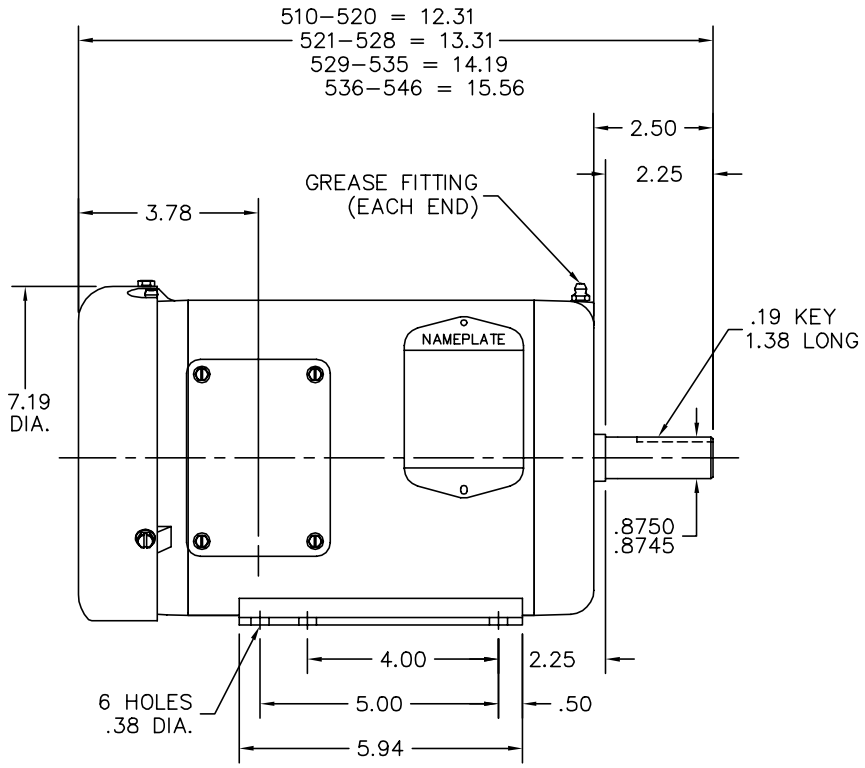
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1.5			Full Load Torque	4.47 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	1.8			Breakdown Torque	19.1 LB-FT
R.P.M.	1760			Pull-up Torque	9.34 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	13.3 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	14.6 A
Service Factor (S.F.)	1.15			No-load Current	1.09 A
NEMA Nom. Eff.	86.5	Power Factor	73	Line-line Res. @ 25ºC	17 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	53°C
				Locked-rotor Power Factor	52
				Rotor inertia	0.154 LB-FT2

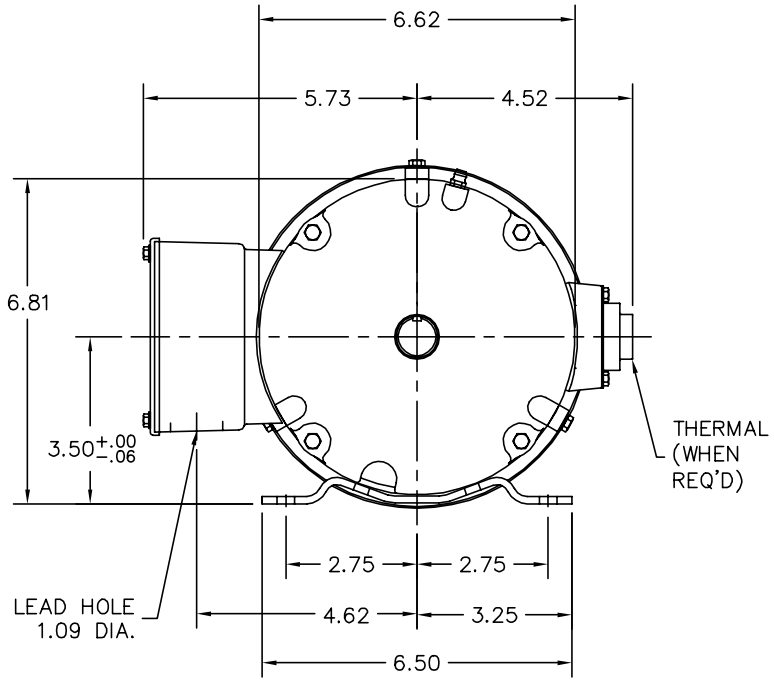
Load Characteristics 575 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	51	65	74	79	83	77
Efficiency	76.5	84.5	87	87.1	86.3	85.3	86.6
Speed	1791	1781	1771	1760	1748	1735	1753
Line amperes	1.15	1.28	1.49	1.75	2.06	2.38	1.94

BALDOR A MEMBER OF THE ABB GROUP

35LYAA001





35LYAA001

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REPLACE 35SB0002 W/35SB2075		
REV. LTR: B	VERSION: 02	TDR: 000000962105
FILE: \AAA\00168\387	REVISED: 11:25:03 01/19/2016	BY: ENALEM0
MTL: –		

BALDOR

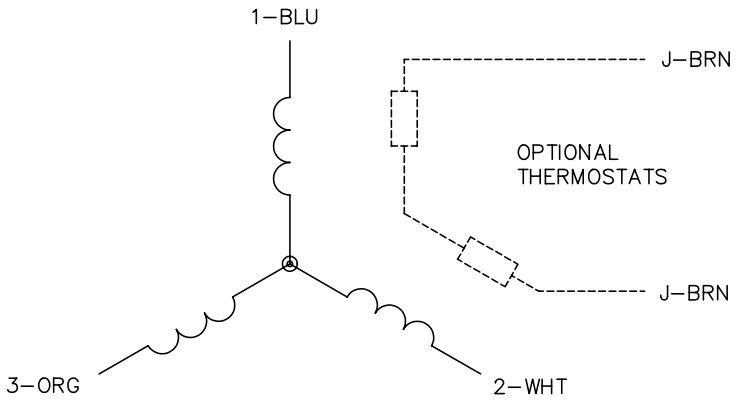
STD HORZ 143–5T TEFC 35M W/1.09 LEAD HOLE

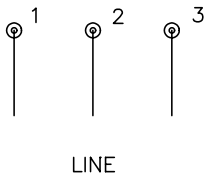
SH 1 of 1

BALDOR
A MEMBER OF THE ABB GROUP

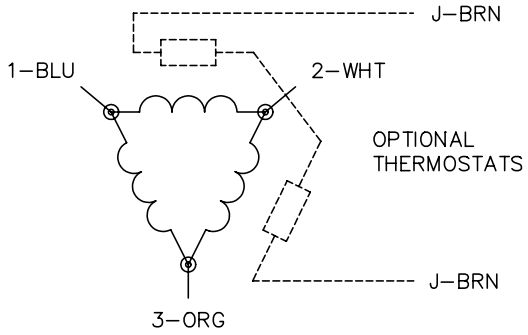
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/21/99 4:02	TDR: 0171435
9000CD		FILE: AAA00005141	MDL: –
		MTL: –	3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006

BALDOR A MEMBER OF THE ABB GROUP