

BALDOR® • RELIANCE

Product Information Packet

EM4410T-4

125HP,1785RPM,3PH,60HZ,444T,TEFC,F1

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44076M	Elec. Spec:	A44WG5275	CD Diagram:	416820-008
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-476
Frame:	444T	Mounting:	F1	Poles:	04	Created Date:	09-08-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-26-2016
Leads:	6#2					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2383L

CAT.NO.	EM4410T-4	SPEC NO.	A44-0001-5275
HP	125	AMPS	144
FRAME	444T	RPM	1785
DRIVE END BEARING	90BC03J30X	HZ	60
OPP D.E. BEARING	90BC03J30X	AMB	40
SER.NO.		SF	1.15
		INSUL.CLASS	F
		PHASE	3
		DUTY	CONT
		TYPE	P
		ENCL	TEFC
		CODE	G
		POWER FACTOR	85
		NEMA-NOM-EFFICIENCY	95.4
		MAX CORR KVAR	27
		GUARANTEED EFFICIENCY	94.5
NEMA NOM/CSA QUOTED EFF		MOTOR WEIGHT	1669

Parts List		
Part Number	Description	Quantity
SA306875	SA A44-0001-5275	1.000 EA
RA294149	RA A44-0001-5275	1.000 EA
421948044	LABEL, MYLAR	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABLE	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
415045002A	SLGR	1.000 EA
415072001B	CLAMP	1.000 EA
083199126RA	G28 MOLDED FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
078548001R	FAN KB 234/150 (84) 400	1.000 EA
004824015A	GREASE POLYREX EM	1.160 LB
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
410700004A	WSHR	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034692001AB	HCSPP 1/8" PLATED	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
415045002A	SLGR	1.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
702658001A	CONDUIT BOX, E440	1.000 EA
702658002A	+C/BOX CVR, PAINTED 440	1.000 EA
415915007G	GASK, LAC	1.000 FT
406056008A	GASKET, TERBD 440	1.000 EA
418153001A	GASK 440	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	8.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034690005AB	PPLG 3/4 PLATED	2.000 EA
418151014G	RETAIN RING	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
034692001AB	HCSP 1/8" PLATED	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 EA
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 EA

Product Information Packet: EM4410T-4 - 125HP,1785RPM,3PH,60HZ,444T,TEFC,F1

034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034530044AB	P/NIP 1/8X5-1/2L GALV.	1.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
000692000FF	N/P	1.000 EA
604797045	STD. 400 FRAME SKID	1.000 EA

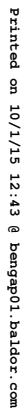
Accessories		
Part Number	Description	Multiplier
089490106A	G28 C-FACE BRKT MACH-6318 089490105WCA	P1

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445	125	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
144	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
0	0	---	---	.0383		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	44.8	1800	3.97	0	
1/4	31.3	61.3	1796	51.1	93.4	
2/4	62.5	83.8	1792	73.0	95.5	
3/4	93.7	112	1788	81.7	95.8	
4/4	125	144	1784	85.3	95.5	
5/4	156	178	1780	86.6	95.0	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	133	489	892		
PULL UP	270	114	420	875		
BREAKDOWN	1729	290	1067	500		
FULL LOAD	1784	100	368	144		

AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: CALCULATED DATA
NEMA NOMINAL EFFICIENCY = 95.5PCT.

BALDOR A MEMBER OF THE ABB GROUP	DR. BY E.J. CHRISTIAN	A-C MOTOR PERFORMANCE DATA A44WG5275-R001 ISSUE DATE 10/01/15
	CK. BY T.G. KEIANT APP. BY T.G. KEIANT DATE 10/01/15	



DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

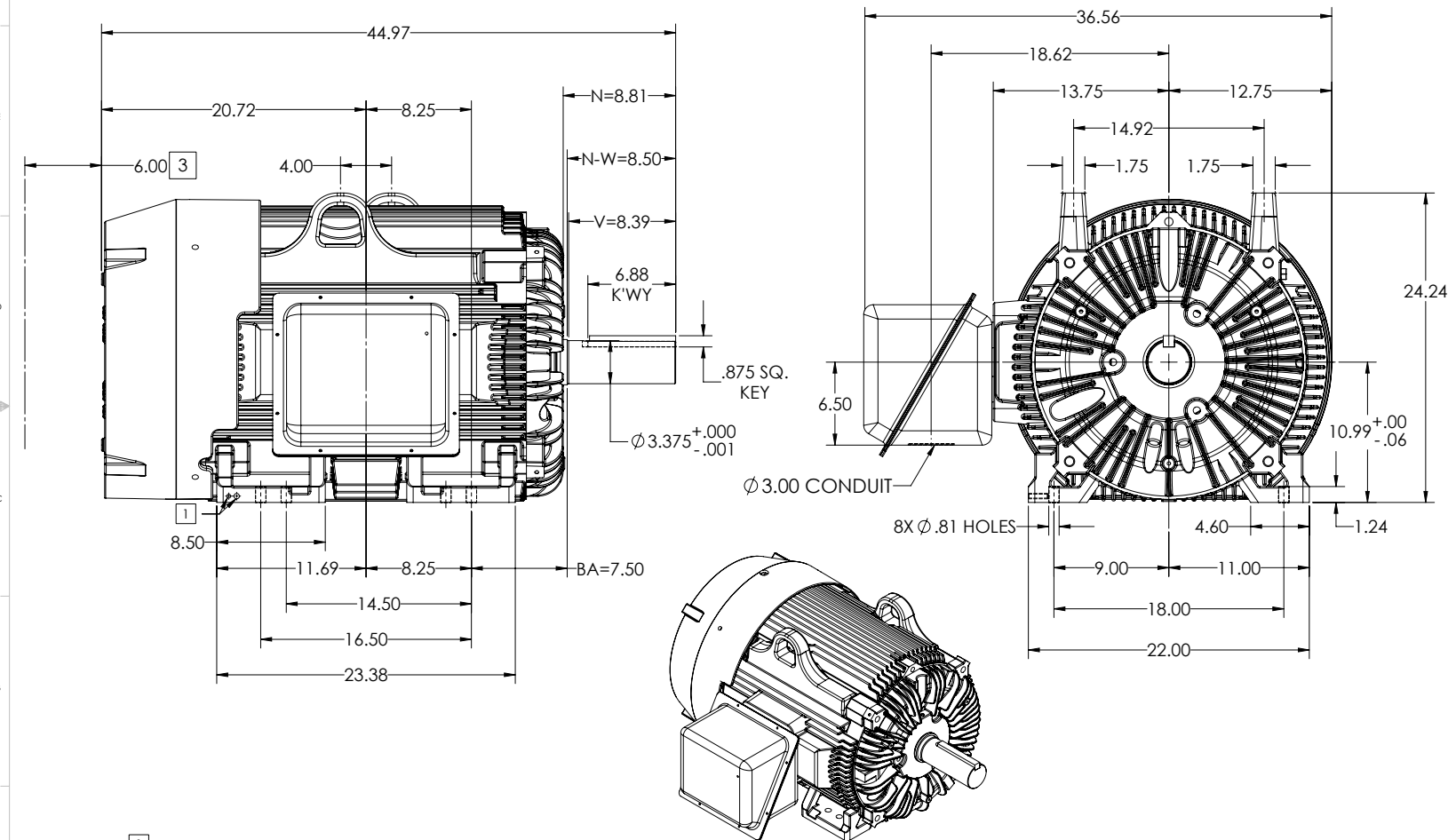
ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1 SIDE

 FRAME G444T
INCLUDES G445T FRAME MOUNTING HOLES

STEEL MAIN CONDUIT BOX

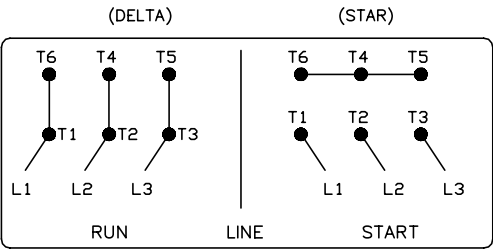
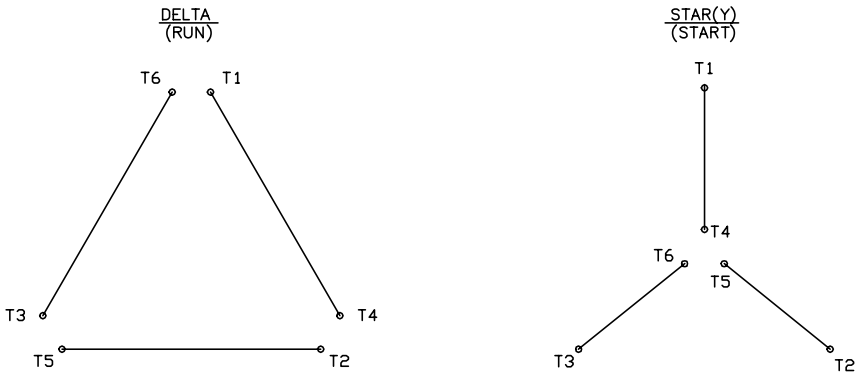
COOLING: FAN COOLED



416820-008

A-C MOTOR
CONNECTION DIAGRAM

STANDARD 6 LEAD Y START – DELTA RUN



< N. P. 1767-DC >

REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM		
REV. LTR: D	VERSION: 04	TDR: 000000847713
FILE: \RAG\00001\808	REVISED: 10: 41: 26 04/08/2014	BY: RAGJSS1
MTL: -		

BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN
SH 1 of 1

416820-008