

BALDOR • RELIANCE

Customer information packet

CEWDM4419T

75HP, 890RPM, 3PH, 60HZ, 444TC, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	444TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CCSA US
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	179.000 A @ 230.0 V 89.300 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	89.3 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	F

Part detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4750
Layout	617435-162
Eff. date	09-26-2019
CD Diagram	416820-002
Poles	08
Leads	3#2,6#4
Proprietary	False
Created date	09-12-2019

Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44072M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	44.96 IN
Power Factor	83
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	890 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2428L

SPEC NO.	A44-8399-4750	CAT.NO.	CEWDM4419T	FRAME	444TC
HP	75	VOLTS	230/460	PHASE	3
				DESIGN	B
				TYPE	P
RPM	890	AMPS	179/89.3	HZ	60
				AMB	40
				SF	1.15
DRIVE END BEARING	90BC03JPP30A	DUTY	CONT	INSUL.CLASS	F
OPP D.E. BEARING	90BC03JPP30A	ENCL	TEFC	CODE	F
SER.NO.		POWER FACTOR	83	NEMA-NOM-EFFICIENCY	93.6
				MAX CORR KVAR	19
				GUARANTEED EFFICIENCY	92.4
	IP55			NEMA NOM/CSA QUOTED EFF	
	2:1CT AND 2:1VT ON VPWM INVERT		ER, 1.00SF	MOTOR WEIGHT	1989

Parts list

Part number	Description	Quantity
SA374416	SA A44-8399-4750	1.000 ea
RA364262	RA A44-8399-4750	1.000 ea
421948032	LABEL, MYLAR	1.000 ea
NP2496L	MOTOR LUBE NAMEPLATE	1.000 ea
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 ea
000692000CY	N/P	2.000 ea
000692000FF	N/P	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
NP2428L	WASHDOWN DUTY MOTOR, SS, CC, CSA-C	1.000 ea
412118006A	DRAIN	2.000 ea
034690005AB	PPLG 3/4 PLATED	1.000 ea
089490099A	G28 BRKT 089490098WCA KB	1.000 ea
083199082P	G28 FAN COVER MACHINING SHORT VERSION	1.000 ea
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 ea
702618004T	FAN KB 182/70 (112) 440	1.000 ea
004824015A	GREASE POLYREX EM	1.000 lb
032018020FN	HHCS 3/4-10X2-1/2304S.S., NAVY	4.000 ea
032018008CN	HHCS 3/8-16X1 304 SS-360	4.000 ea
032018030DN	HHCS1/2-13X3-3/4304S.S449, NAVY	3.000 ea
415045002A	SLGR	1.000 ea
410700004A	WSHR	1.000 ea
423709011C	WASHER	3.000 ea
034017014AE	LCKW 3/8 304S.S.	4.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
032620016LD	HEX SOCKET SET SCREW (COARSE THREAD)	3.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 ea
034017013AB	LCKW 5/16 STD. PLATED	3.000 ea

089490106T	G28 C-FACE BRACKET MACHINING - 6318 BRG	1.000 ea
032018024FN	HHCS 3/4-10X3 A193 B8 CLS 2	5.000 ea
032018030DN	HHCS1/2-13X3-3/4304S.S449, NAVY	3.000 ea
415045002A	SLGR	1.000 ea
415028001Z	SEAL - 400/440	1.000 ea
423709011C	WASHER	3.000 ea
076863000C	+CBCST BLKT - 440	1.000 ea
406056007A	GASKET, 440	1.000 ea
076864000A	CBCST BLKT - 440	1.000 ea
067053001C	GASK 440	1.000 ea
032018008BN	HHCS 5/16-18X1 304S.S., NAVY	4.000 ea
032018008DN	HHCS 1/2-13X1L 304 S.S., NAVY	4.000 ea
415000115H	T/LUG #2AWG-4/OAWG	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea
004824003AJF	WILKO781.01 WHITE2 COATS - MG1025W01	0.438 ga
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180054KA	7/8 SQ X 6.75 KEY	1.000 ea
604797045	STD. 400 FRAME SKID	1.000 ea
032510024D	CARRIAGE BOLT - 444	2.000 ea
034001016AB	WSHR .562ID 1.375OD .109	2.000 ea
034001014AB	FLAT WASHER 3/8"PLATED	2.000 ea
033300014AC	HEX NUT, SHIPPING - 400	2.000 ea
604799003C	PLASTIC BAG 42X32X46	1.000 ea

617435-162

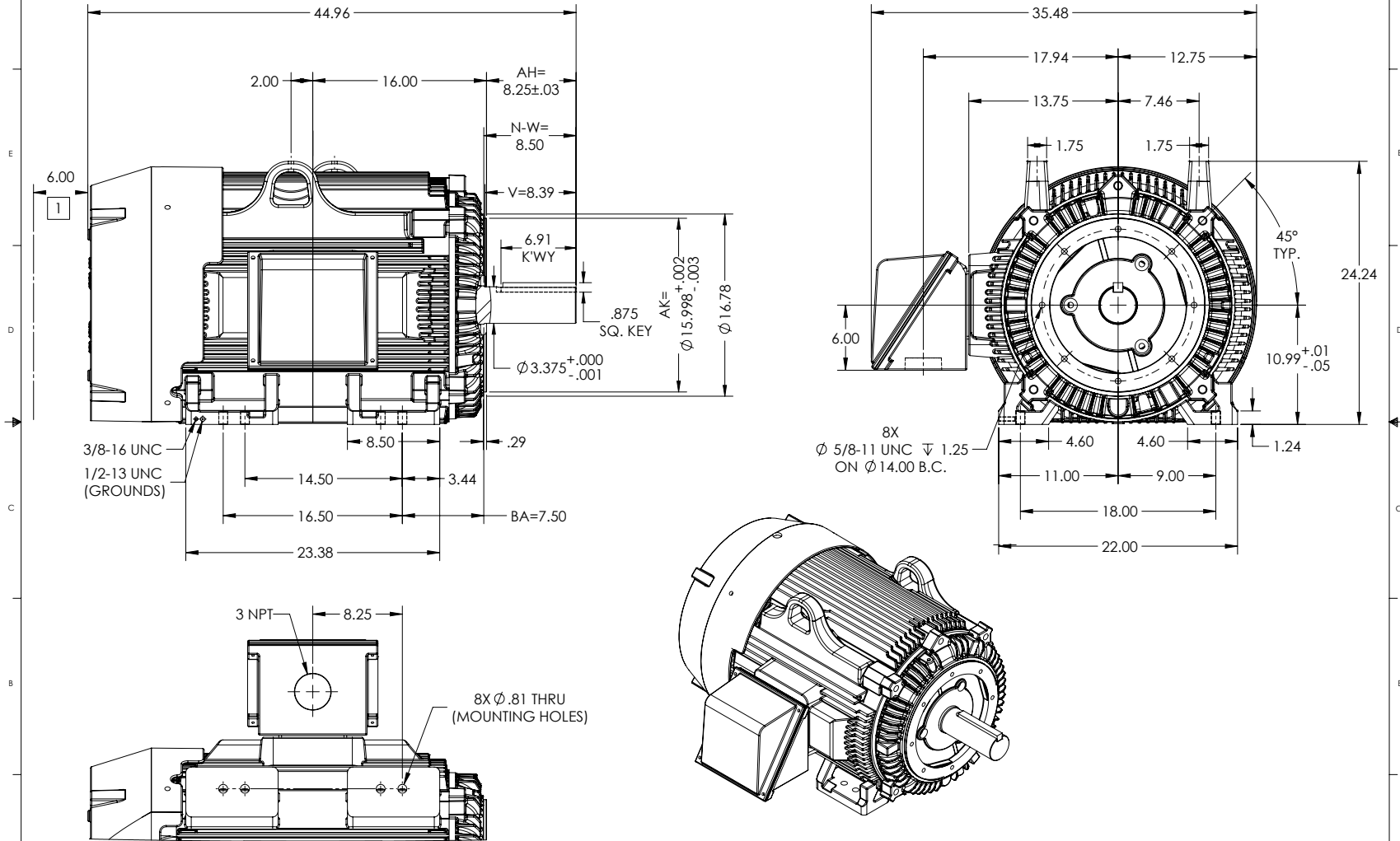
ENCLOSURE: TOTALLY ENCLOSED

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

MOUNTING: FOOT, F-1

G445TC/G444TC MOUNTING

COOLING: FAN COOLED



DIMENSIONS ARE IN INCHES.
MAX FACE AND FIR RUNOUT = 0.007
WEIGHT (LBS): 2130. MOTOR WEIGHTS MAY VARY BY +/- 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER
1 OF 2
291-557219

1 OBSTRUCTIONS MUST NOT ENCR OACH ON AIR INLET.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

REV. DESC: UPDATE DS QUALITY/ADD METRIC DS			
REV: B	VERSION: 02	REVISED: 10-17-15 05/24/2022	TDR: 000001191365
MODEL NO. 617435-162	BY: USJEDIL	Material:	REF:

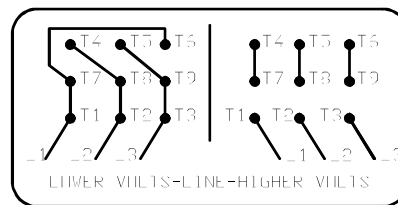
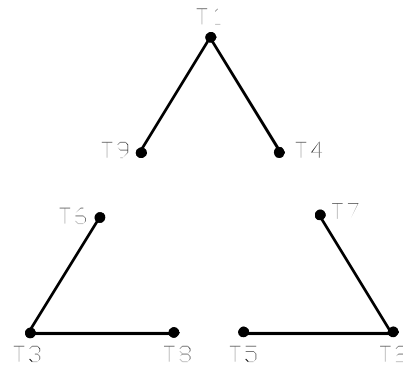
BALDOR

G445/444TC TEFC FOOT FL/CAST IRON CONDUIT BOX

617435-162

416820-002

A-C MOTOR
 CONNECTION DIAGRAM
 STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

416820-002

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: -		© □

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CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

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