

ABB BALDOR RELIANCE III

Customer information packet

VPECP4316T

75HP, 1785RPM, 3PH, 60HZ, 365VP, A36070M, TEFC

Class - None

Division - Division II

Specifications

Enclosure	TEFC
Frame	365VP
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	171.000 A @ 230.0 V 188.000 A @ 208.0 V 85.600 A @ 460.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	85.6 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4076
Layout	616555-992
Eff. date	02-13-2025
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	06-05-2019

IP Rating	IP55
KVA Code	G
Lifting Lugs	Vertical Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36070M
Mounting Arrangement	V1
Number of Poles	4
Overall Length	37.25 IN
Power Factor	86
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None

Nameplate

NP2496L	
MOBIL POLYREX EM	
IP55 CONSTRUCTION	

NP3238

CAT NO	VPECP4316T			SPEC NO.		A36-7268-4076					
HP	75	AMPS	172/86		VOLTS		230/460		DESIGN	B	
FRAME	365VP	RPM	1785	HZ	60	AMB	40	SF	1.15		
D.E. BRG.DATA	6313	O.D.E. BRG.DATA			7310	PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	65BC03JP30X			TYPE	P	ENCL	TEFC	CODE	G		
O.D.E. BRG.	BA2B_459310			POWER FACTOR		86	NEMA NOM EFFICIENCY			95.4	
3/4 LOAD EFF.	95.8	MAX CORR KVAR		15.8	GUARANTEED EFFICIENCY			94.5			
TEMP CODE	T3	TEMP =	200								
CHP HZ	60-90	CT HZ	15-60		VT HZ	0-60					
INVERTER-TEMP-CODE	T3										
SER.NO.				MOTOR WEIGHT							

Parts List

Part number	Description	Quantity
SA372628	SA A36-7268-4076	1.000 ea
RA362378	RA A36-7268-4076	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
000692000FF	N/P	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
LB1449	DIV-2/NEC WARNING LABEL	1.000 ea
NP3238	SS CP XEX SEVERE DUTY MAIN NP,CURUS EEV	1.000 ea
418185012FL	B/BRG ANGULAR SET - 360	1.000 pr
035051010AA	BBLCW W-10	1.000 ea
085922097A	BRKT 360 087793066WCC	1.000 ea
415072001B	CLAMP	1.000 ea
078559035AA	F/C 360 078559035WCC	1.000 ea
034180008FA	KEY 3/8X3/8X1L - 320	1.000 ea
702676001A	FAN 250	1.000 ea
004824015A	GREASE POLYREX EM	0.540 lb
032018016DK	HHCS 1/2-13X2L PLTD	4.000 ea
032018010CK	HHCS 3/8-16X1-1/4 PLTD. 032018010CR	4.000 ea
032018030CK	HHCS 3/8-16X3-3/4 PLATED	3.000 ea
034630002AB	CPLG 1/4" PLATED	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
415045002H	SLGR	1.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
034017014AB	LCKW 3/8 STD. PLATED	3.000 ea
034530052AB	P/NIP 1/8X6-1/2 Zinc	1.000 ea
034530016BC	P/NIP 1/4X2 GALV. - 320	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea

089495002A	BRKT 360 089495001WCA	1.000 ea
032018012DK	HHCS 1/2-13X1-1/2 PLTD. 032018012DR	4.000 ea
032018030CK	HHCS 3/8-16X3-3/4 PLATED	3.000 ea
415045002E	SLGR	1.000 ea
034017014AB	LCKW 3/8 STD. PLATED	3.000 ea
412118006A	DRAIN	1.000 ea
410700004F	WSHR	1.000 ea
076708000BB	CONDUIT BOX-360	1.000 ea
065776000C	GASKET,MAIN CBOX, 320-400	1.000 ea
076709000A	C/B Cover - 360	1.000 ea
067053000B	GASK 320-400	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
032018010CK	HHCS 3/8-16X1-1/4 PLTD. 032018010CR	4.000 ea
032018022CK	HHCS 3/8-16X2-3/4 PLTD	4.000 ea
405851012AN	SPACE	4.000 ea
702641041A	D/CVR 360 SUB PAINT	1.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea
034000014AB	WSH ID.406 OD.812 TH.065	4.000 ea
034000014AB	WSH ID.406 OD.812 TH.065	4.000 ea
406055001B	GRFTG - XP	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 ga
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 ea
609013011C	LFT/P - 360 - LIFTING PLATE	2.000 ea
032018012EK	HHCS 5/8-11X1-1/2L PLTD. - SCREW	4.000 ea
034017018AB	5/8 MED LOCK WASHER ZP (034017018AF)	4.000 ea
034180024FA	KEY 3/8X3/8X3 L	1.000 ea
034017018AB	5/8 MED LOCK WASHER ZP (034017018AF)	2.000 ea
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 ea

033102018AG	NUT 5/8-11 PLATED	2.000 ea
032018012EK	HHCS 5/8-11X1-1/2L PLTD. - SCREW	2.000 ea
415038030	BANDING - SIGNODE	9.000 lb
604797064C	2"X4"-24"	2.000 ea
604797064C	2"X4"-24"	1.000 ea
604797064C	2"X4"-24"	1.000 ea
604797064C	2"X4"-24"	1.000 ea
415038031	SLEEVE, BANDING	9.000 ft
415038028A	BLOCK,SHIPPING	1.000 ea
415038028B	BLOCK,SHIPPING	1.000 ea
415038032A	SILICON PAPER	1.000 ea
418151063	SL HEX WSH HD TYPE A TAPP	4.000 ea

DUTY MASTER ALTERNATING CURRENT MOTORS

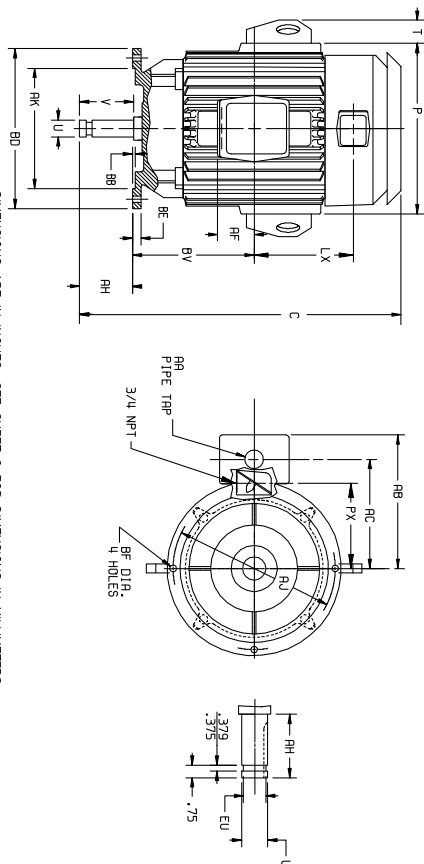
SQUIREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: TOTALLY ENCLOSED

COOLING: FAN COOLED

MOUNTING: NEMA VP API THRUST DESIGN - SOLID SHAFT

FRAMES 250VP THRU 440VP



DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

[illegible]

(1)	FRAME SIZE	SHAFT AND SO.										WEIGHT LB/FT.
		C	BV	AH(6)	V	U(2)	EU(5)	SO.	LGTH.	WGT.		
	255V	28.10	9.44	2.750	2.75	1.1260	875	260	1.25	330	330	
	255V	28.10	9.44	2.750	2.75	1.1250	875	260	1.25	340	340	
	284V	30.66	10.44	2.750	2.75	1.1250	875	260	1.25	460	460	
	286V	30.66	10.44	2.750	2.75	1.1250	875	260	1.25	475	475	
	324V	34.60	11.75	4.500	4.50	1.6250	1260	375	3.00	610	610	
	326V	34.60	11.75	4.500	4.50	1.6250	1260	375	3.00	650	650	
	364V	37.26	12.75	4.800	4.50	1.6250	1260	375	3.00	860	860	
	365V	37.26	12.75	4.800	4.50	1.6250	1260	375	3.00	980	980	
	404V	41.75	14.62	4.500	4.50	1.6250	1260	375	3.00	1310	1310	
	405V	41.75	14.62	4.500	4.50	1.6250	1260	375	3.00	1310	1310	
	445V	47.57	17.50	4.500	4.50	2.125	1750	500	3.00	1690	1690	
	445V	47.57	17.50	4.500	4.50	2.125	1750	500	3.00	1890	1890	

- | | | |
|-----|--|--|
| (1) | SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE. | IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY. |
| (2) | "U" VARIES — UP TO 2.125 DIA. +.0000, —.0005
2.125 AND LARGER +.000, —.001. | MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF SHAFT EXTENSION IS .001 MAX. T.I.R. |
| (3) | MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING. | FACE RUNOUT AND 250VP — 440VP .004 MAX. T.I.R. ECCENTRICITY |
| (4) | "AK" VARIES — 250VP — 280VP +.003, —.000
320VP — 440VP +.005, —.000 | |
| (5) | "EU" VARIES +.000, —.005 | |
| (6) | "AH" VARIES +.030, —.030 | |
| (7) | AUXILIARY CONDUIT BOX SUPPLIED ONLY WHEN SPECIFIED. | |

FRAME _____ TYPE _____ CERTIFIED FOR _____
 ORDER _____ ITEM _____ HP _____ PH _____ HZ _____ VOLTS _____
 SALES ORDER _____ APPROVED BY _____ DATE _____

616555-992

616555-992

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

REV. DESC: REMOVED "AG" AND ADD "C" DIMENSION		
REV. LTR: C	VERSION: 03	TDR: 000000821455
FILE: \RAG\00008\703	REVISED: 03:31:17 10/08/2013	BY: RAGJSS1
MTL: -		

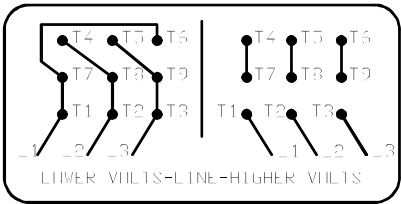
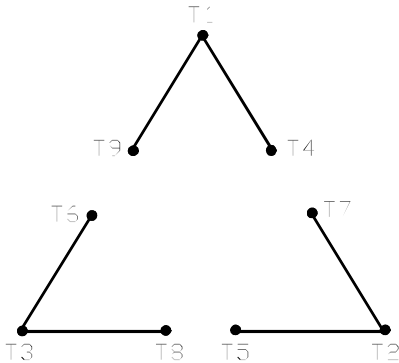
BALDOR

DIM SHT 250-440VP TEFC API THRUST DESIGN CAST IRON CBOX

SH 1 of 1

416820-002

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



(N.P. 1575-B)

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: —		

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
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