ABB BALDOR RELIANCE

Customer information packet

VPECP84316T-4

75HP, 1780RPM, 3PH, 60HZ, 365VP, A36070M, TEFC
Class - None
Division - Division II

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11/17/2026 7:57:55 AM

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	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
	CURUSEEV
	NEMA PREMIUM
	NEMA PREMIUM (OLD LOGO)
	UR
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	86.000 A @ 460.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	86.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG3963
Layout	617428-660
Eff. date	03-13-2026
CD Diagram	416820-036
Poles	04
Leads	3#4
Proprietary	False
Created date	07-23-2025

Lifting Lugs	Vertical Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36070M
Mounting Arrangement	V1
Number of Poles	4
Overall Length	37.27 IN
Power Factor	86
Product Family	Pump - Centrifugal
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	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4388

CAT #	VPECP84316T-4					**FR**	365VP		56										
SPEC	A36-7900-3963					**ENCL**	TEFC		**DES**	B									
HZ	60	**PH**	3	**CL**	F	**HP**	75	**SF**	1.15	**PF**	86	**%**	**CODE**	G					
VOLTS	460					**AMPS**	86												
RPM	1780			**MAX RPM**	2700		**SER**												
NEMA NOM. EFF	95.4	**%**		**RATING**	40C AMB-CONT														
GUAR MIN. EFF	94.5	**%**		**BRG DE**	6313		**BRG ODE**	7310											
CL I DIV 2 GRPS A,B,C,D				**CL I ZONE 2 GRPS**			**IIA,IIB,IIC**		**TEMP T**	3-200	**C**								
CT HZ	15-60			**VT HZ**	0-60														
CHP HZ	60-90				**INV TEMP CL**	200	**C**												
							MTR WT	965	**LBS**										

NP4333

CAT #	VPECP84316T-4	**ROTOR BARS**	47
SPEC	A36-7900-3963	**STATOR SLOTS**	60
SER		**MAX CORR KVAR**	15.8
GREASE	POLYREX EM		
ABMA DE BRG	65BC03JP30X	**ODE**	BA2B_459310

SPACE HEATER LEADS H1-H2: **TIE LIKE NUMBERS TOGETHER**

MAX. SPACE HEATER TEMP.		**C**	**V**		**A**		**W**	

AC Induction Motor performance data

Record #71698 - Typical performance - not guaranteed values

Winding	A36WG3963
Type	A3670M
Enclosure	TEFC

Nameplate data			
Rated Output			75
Volts			460
Full Load Amps			86
R.P.M.			1780
Hz	60	Phase	3
KVA Code			F
S.F.			1.15
NEMA Nom. Eff.	95	Power Factor	86
Duty			CONT
S.F. Amps			

460 V, 60 Hz:

Single Voltage Motor	
Full Load Torque	220.2 LB-FT
Start Configuration	direct on line
Breakdown Torque	542 LB-FT
Pull-up Torque	372 LB-FT
Locked-rotor Torque	445 LB-FT
Starting Current	541 A
No-load Current	27.9
Line-line Res. @ 25°C	0.082276 Ω
Temp. Rise @ Rated Load	55°C
Temp. Rise @ S.F. Load	69°C
Locked-rotor Power Factor	31.8
Rotor inertia	16.2 lb-ft²

Load Characteristics 460 V, 60 Hz, 75 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	3	54	75	83	85	86	85	86
Efficiency	0	94.1	95.9	95.9	95.5	94.9	93.8	95.1
Speed	1798.9	1796.2	1792.2	1788	1783.5	1778.5	1771.1	1780
Line amperes	27.9	34.1	48.5	66.3	85.9	108	136	99.2

ABB BALDOR RELIANCE

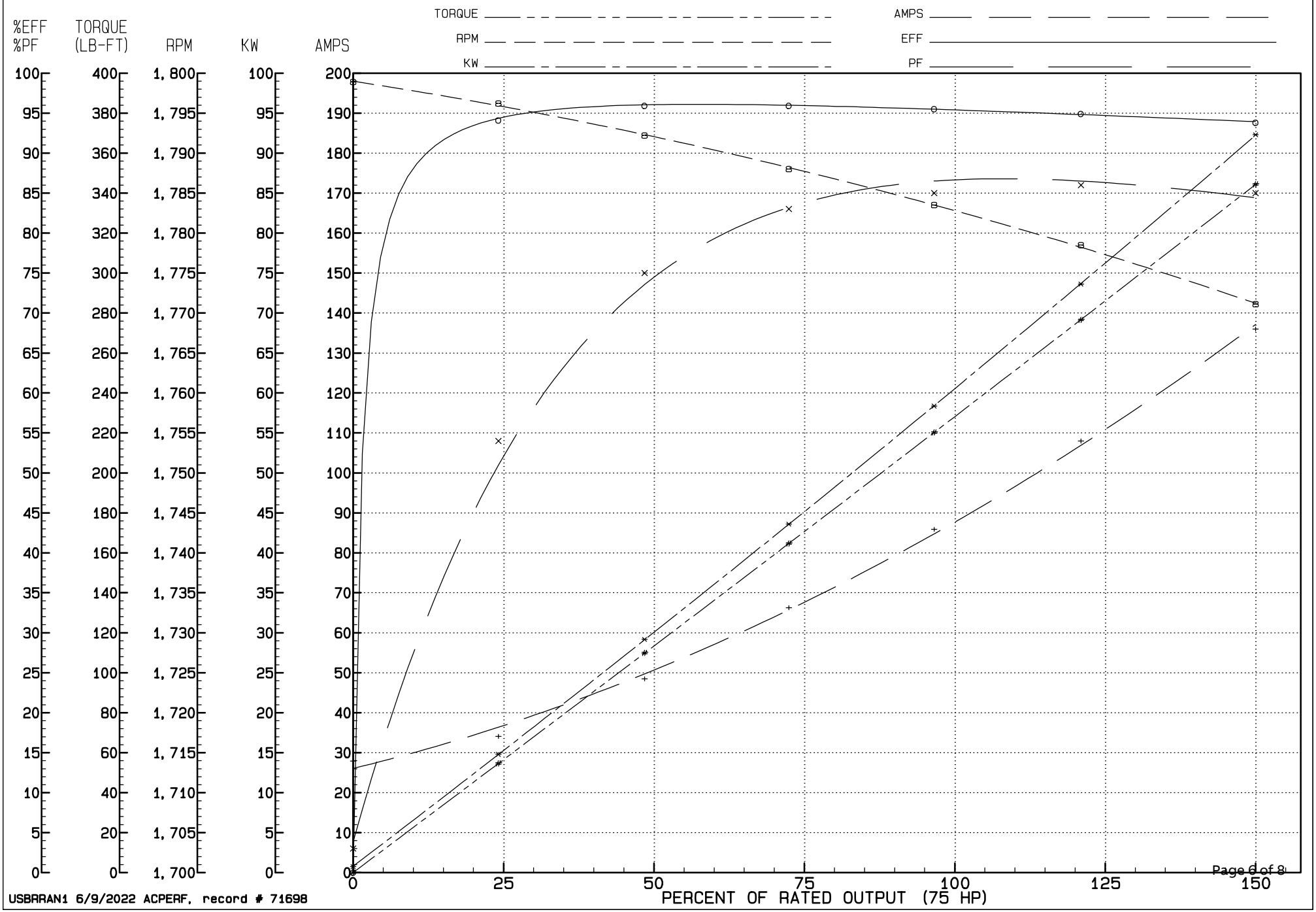
CUSTOMER INFORMATION PACKET VPECP84316T-4 - 75HP, 1780RPM, 3PH, 60HZ, 365VP, A36070M, TEFC

WINDING # A36WG3963

REVIEW

75 HP 3 PH 60 HZ 1780 RPM 460 V A3670M

TORQUES (LB-FT): PO=542.00 PU=372.00 LR=445.00 LRA=541.00



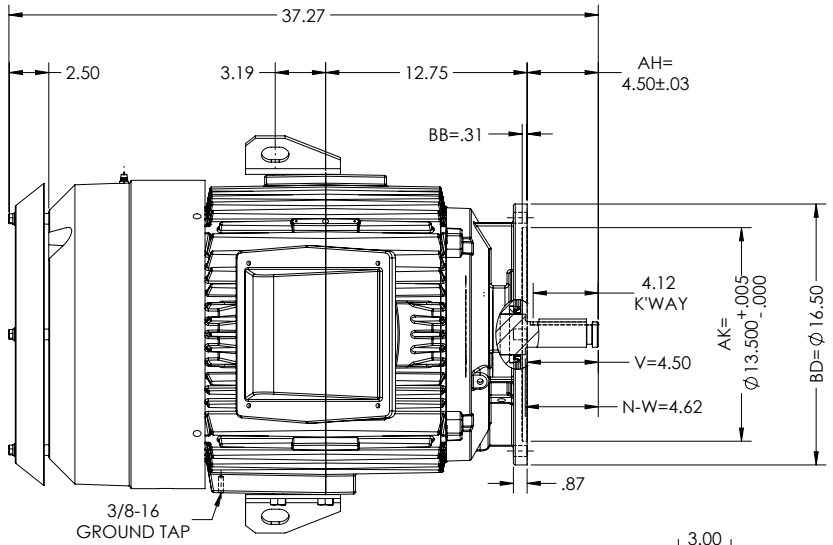
USBRRAN1 6/9/2022 ACPERF, record # 71698

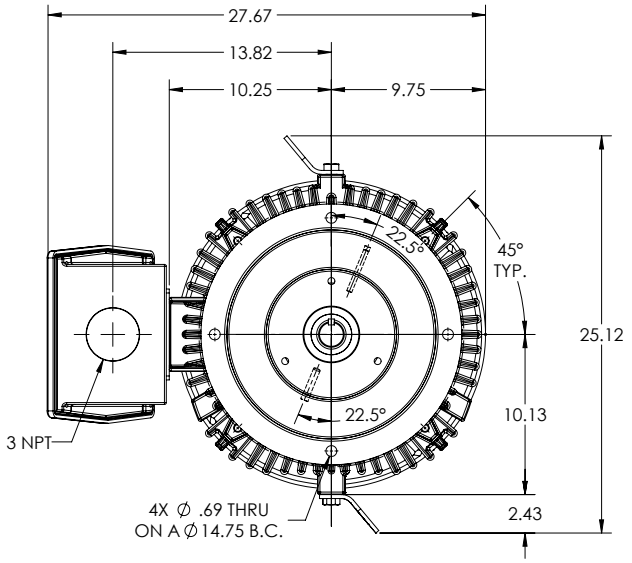
DUTY MASTER ALTERNATING CURRENT MOTORS

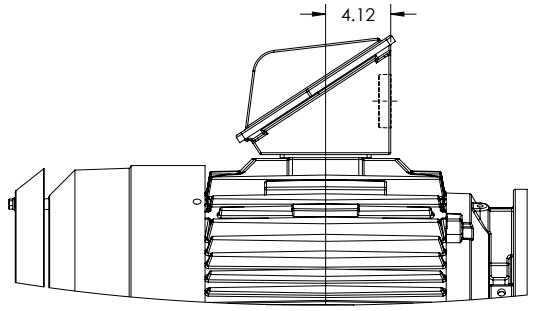
617428-660

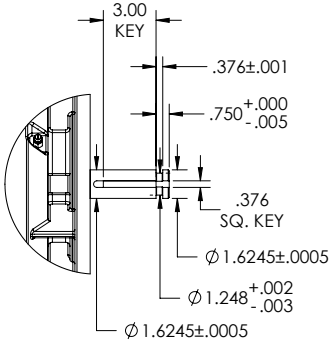
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

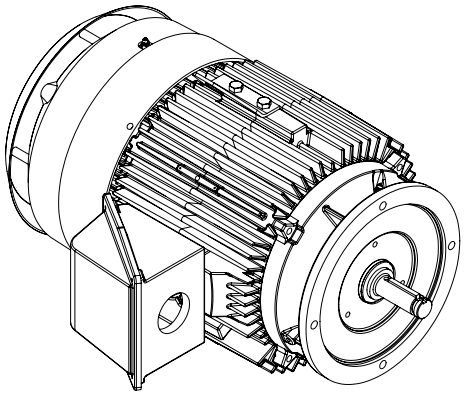
MOUNTING: FOOTLESS, V-1 | FRAME E365VP/E364VP | 841-XL ENHANCEMENT











DIMENSIONS ARE IN INCHES.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER 1 OF 1

617428-660

FACE RUNOUT & ECCENTRICITY RUNOUT = .004 T.I.R.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .001 T.I.R.

REV. DESC: NEW DRAWING			
REV: -	VERSION: 00	REVISED: 03:43:18 03/04/2019	TDR: 000001100681
MODEL NO. 617428-660			
BY: USJEDIL			C

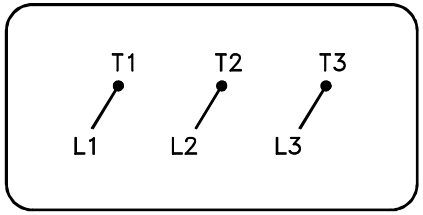
BALDOR

E365/364VP TEFC V1 FOOTLESS/CAST IRON CONDUIT BOX/INPROS

617428-660

416820–036

A–C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575–BA)

416820–036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11:54:06 04/30/2010	CONN DIAG – STANDARD 3 LEAD
MTL: –		BY: RAGRA	SH 1 of 1