

BALDOR® • RELIANCE 

Product Information Packet

VEM3219T

7.5HP,3480RPM,3PH,60HZ,184TC,3632M,ODP,F

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGQ034	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36Q489	Layout:	36LYQ489	Poles:	02	Created Date:	12-09-2020
Base:	N	Eff. Date:	12-14-2020	Leads:	9#16		

Specs			
Catalog Number:	VEM3219T	Heater Indicator:	No Heater
Enclosure:	ODP	Insulation Class:	F
Frame:	184TC	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	L
Output @ Frequency:	7.500 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3632M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	89
	CSA EEV	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	8.700 A @ 460.0 V	Shaft Rotation:	Reversible
	18.400 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
	17.400 A @ 230.0 V	Speed Code:	Single Speed
Design Code:	A	Motor Standards:	NEMA
Drip Cover:	Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Drip Cover Mounting	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP3553LUA									
CAT.NO.	VEM3219T								
SPEC.	36Q489Q034G1								
HP	7.5								
VOLTS	208-230/460								
AMPS	18.4-17.4/8.7								
RPM	3480								
FRAME	184TC			HZ	60			PH	3
SF	1.15			CODE	L		DES	A	
NEMA NOM. EFF	88.5			PF	89			CLASS	F
RATING	40C AMB-CONT								
CC	010A						USABLE AT 208V		
DE	6206			ODE	6205				
ENCL	ODP			SN					
VPWM INVERTER READY									
CT30-60(2:1) VT3-60(20:1)									
USABLE AT	50HZ 7.5HP 190/380V 21.2/10.6A								SF1.0

Parts List		
Part Number	Description	Quantity
SA388463	SA 36Q489Q034G1	1.000 EA
RA378824	RA 36Q489Q034G1	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
36EP3204B01	B00 W/DRIP CVR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3403A03	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
36AD2000	AIR BAFFLE	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
36FH4012A01	DRIP COVER NOTCH BOTTOM, W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	750LIPPED CB LID - GALVANNEAL	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
NP3553LUA	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

AC Induction Motor Performance Data

Record # 85743

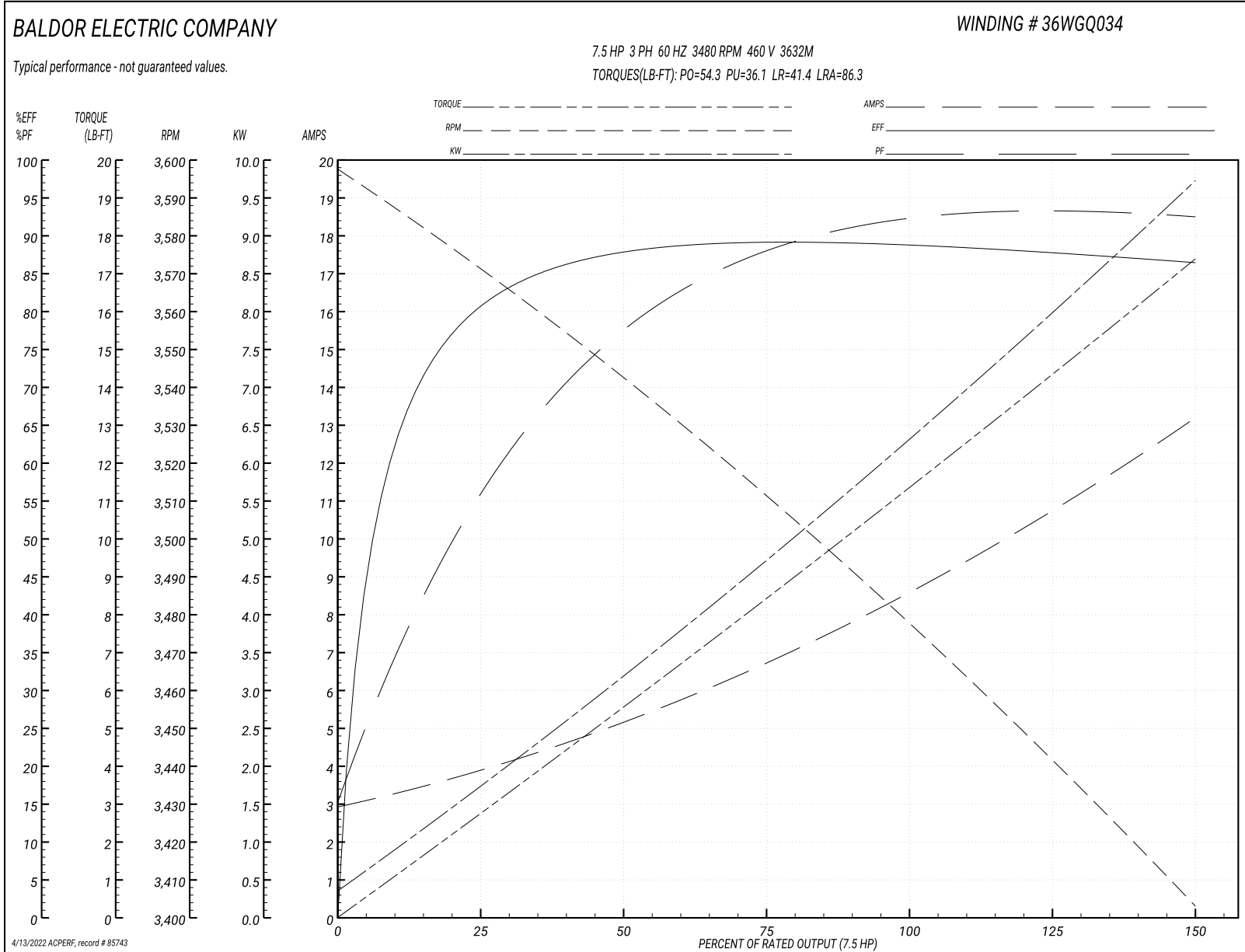
Preliminary Data Sheet

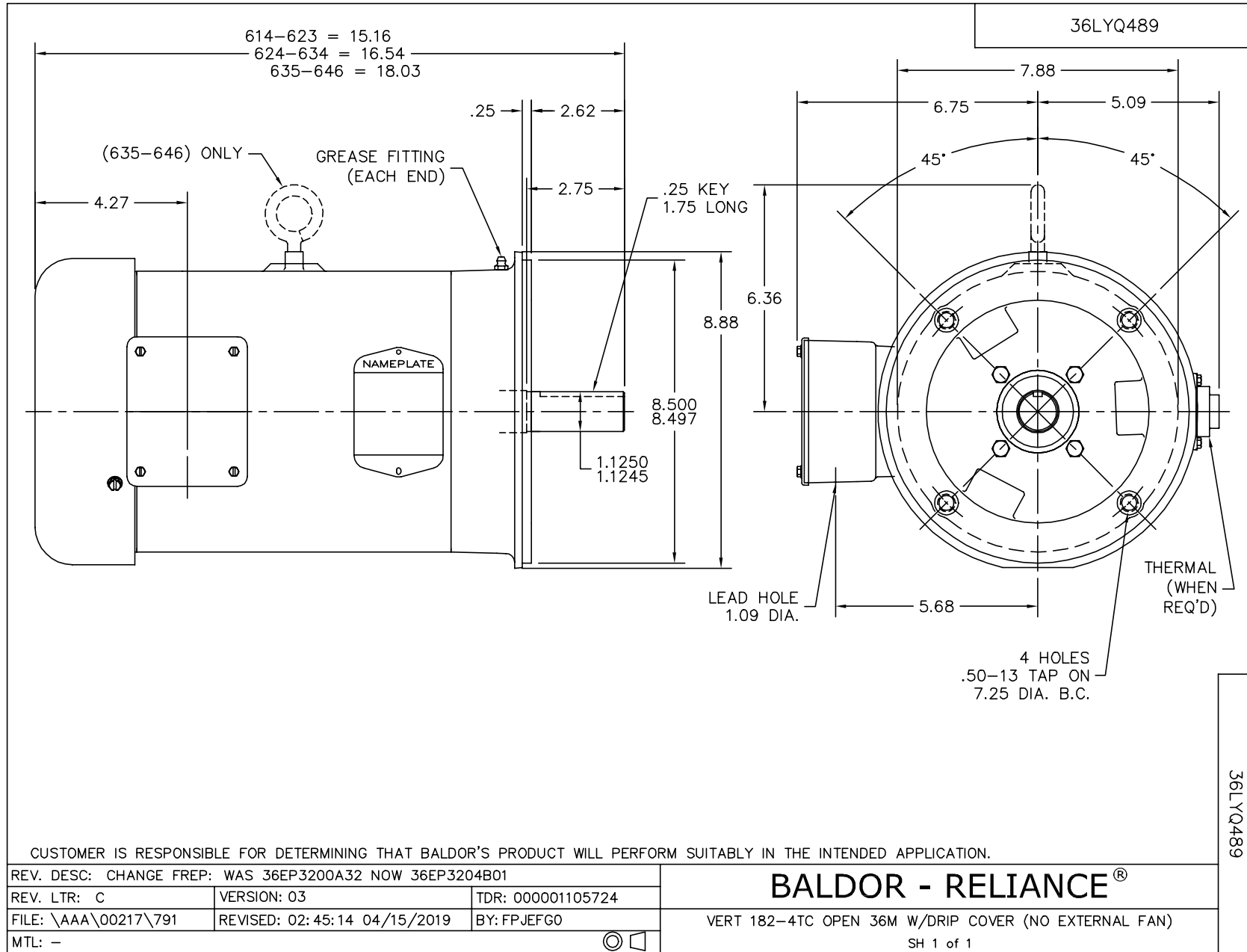
Winding: 36WGQ034-RXXY		Type: 3632M		Enclosure: OPSB	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	7.5	Full Load Torque	11.3 LB-FT		
Volts	208-230/460	Start Configuration	direct on line		
Full Load Amps	18.4-17.4/8.7	Breakdown Torque	54.3 LB-FT		
R.P.M.	3480	Pull-up Torque	36.1 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	41.4 LB-FT	
NEMA Design Code	A	KVA Code	L	Starting Current	86.3 A
Service Factor (S.F.)	1.15		No-load Current	3.04 A	
NEMA Nom. Eff.	88.5	Power Factor	89	Line-line Res. @ 25°C	1.69 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	45°C	
S.F. Amps	21.4-20/10		Temp. Rise @ S.F. Load	61°C	
			Locked-rotor Power Factor	63.2	
			Rotor inertia	0.143 lb-ft ²	

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	80	87	91	93	93	92
Efficiency	81.7	87.9	89	88.6	87.6	86.1	88
Speed	3572	3543	3513	3478	3442	3403	3457
Line amperes	3.68	4.98	6.77	8.66	10.8	13.1	9.9

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





CD0005



LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005