

BALDOR® • RELIANCE 

Product Information Packet

VEJMM3218T

5HP,1750RPM,3PH,60HZ,184JM,3640M,ODP,F1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS270	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36Q830	Layout:	36LYQ830	Poles:	04	Created Date:	07-18-2016
Base:	N	Eff. Date:	03-14-2018	Leads:	9#16		

Specs			
Catalog Number:	VEJMM3218T	Insulation Class:	F
Enclosure:	ODP	Inverter Code:	Inverter Ready
Frame:	184JM	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	5.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Voltage @ Frequency:	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:	3640M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	80
	CSA EEV	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Tapped & Key
Base Indicator:	No Mounting	Rodent Screen:	Included
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	13.200 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	14.000 A @ 208.0 V	Shaft Rotation:	Reversible
	6.600 A @ 460.0 V	Shaft Slinger Indicator:	Shaft Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	NONE (OLD)
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1259L													
CAT.NO.	VEJMM3218T												
SPEC.	36Q830S270G1												
HP	5												
VOLTS	230/460												
AMP	13.2/6.6												
RPM	1750												
FRAME	184JM					HZ	60			PH	3		
SER.F.	1.15					CODE	J		DES	B		CL	F
NEMA-NOM-EFF	89.5					PF	80						
RATING	40C AMB-CONT												
CC	010A									USABLE AT 208V	14		
DE	6207					ODE	6205						
ENCL	ODP					SN							

Parts List		
Part Number	Description	Quantity
SA324235	SA 36Q830S270G1	1.000 EA
RA312066	RA 36Q830S270G1	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
36EP3200A32	SPL FR.E.P. OPEN 36L OR M 205 BRG FOR DR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA1103A08	RODENT SCREEN, 36 FRAME, OPEN, FRONT END	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1402A11	PU ENDPLATE, MACH	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
15XF0632A06	6-32 X 3/8 PHILL PAN HD TYPE F	4.000 EA
HA1102A09	RODENT SCREEN 36 OPEN FAC	2.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
10XN2520A26	1/4-20X 1 5/8 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	36 LIPPED CB LID - GALVANNEAL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HA1005A07	SLINGER, OD 2.25, ID 1.344, 307 BRG	1.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 54750 - Typical performance - not guaranteed values

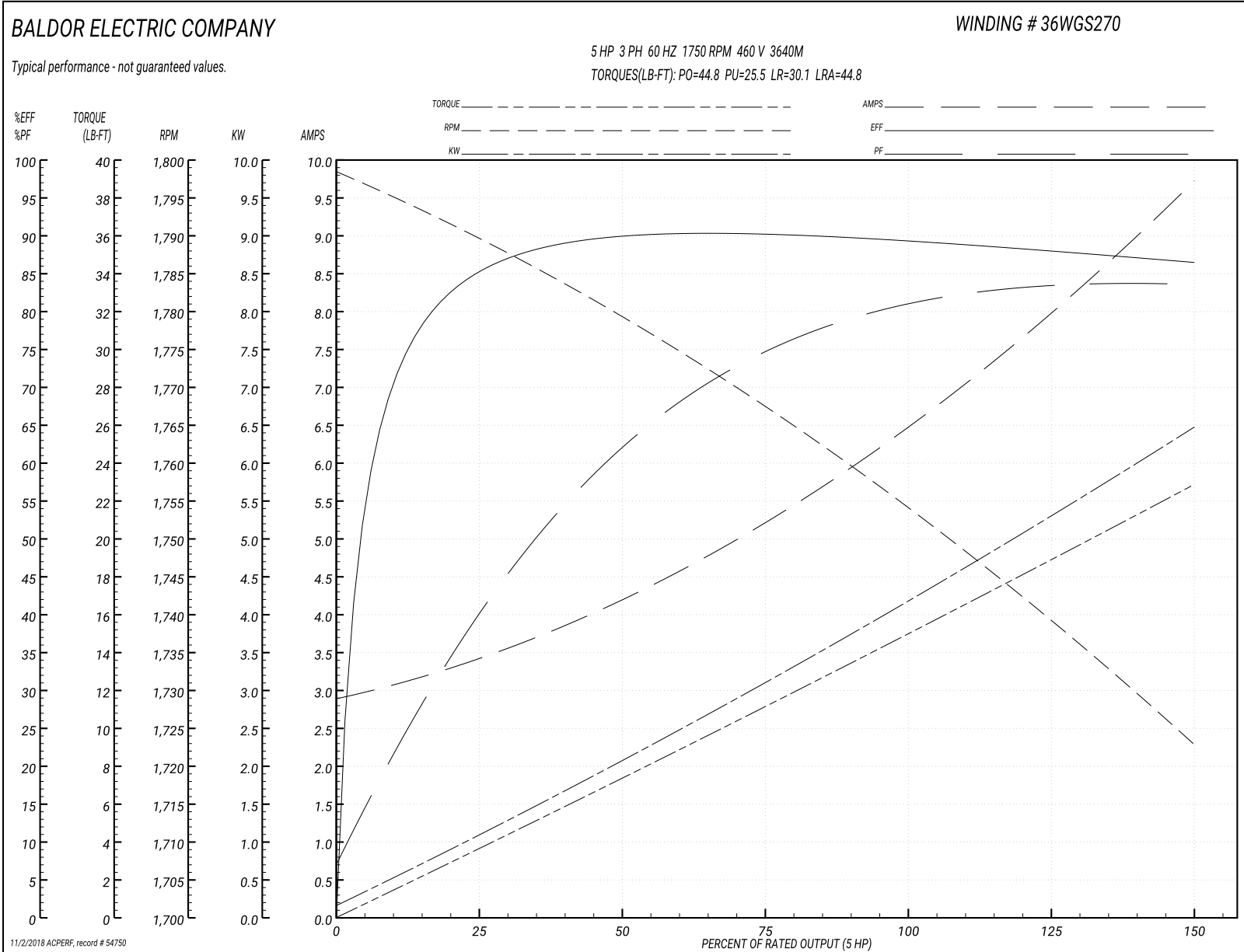
Winding: 36WGS270-R019	Type: 3640M	Enclosure: ODP
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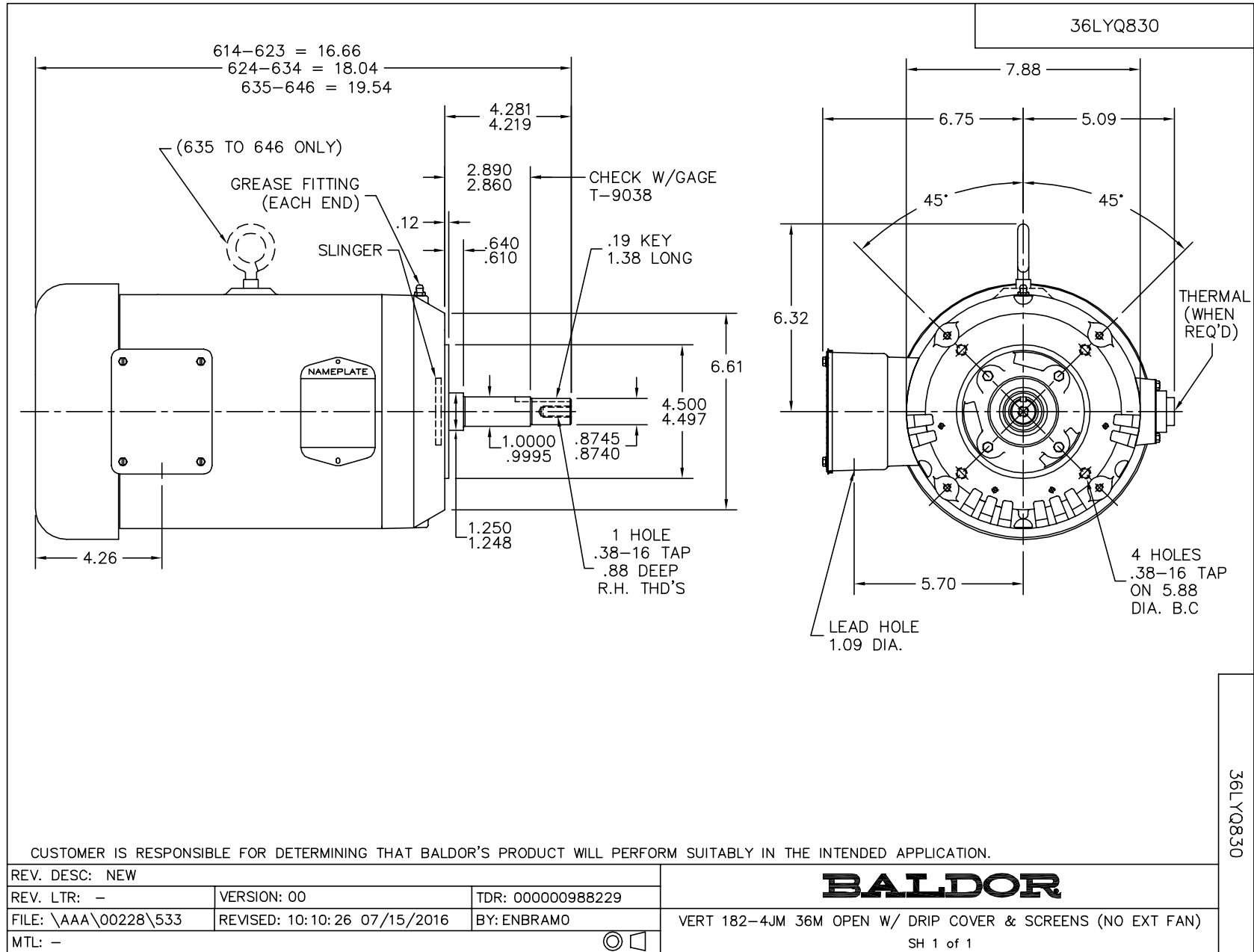
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	15.1 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	13.2/6.6			Breakdown Torque	44.8 LB-FT
R.P.M.	1750			Pull-up Torque	25.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	30.1 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	44.8 A
Service Factor (S.F.)	1.15			No-load Current	2.97 A
NEMA Nom. Eff.	89.5	Power Factor	80	Line-line Res. @ 25°C	2.62 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	54°C
				Locked-rotor Power Factor	40.8
				Rotor inertia	0.372 LB-FT ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	75	80	83	84	82
Efficiency	84.4	89.3	89.8	90	88.3	86.2	89
Speed	1789	1779	1767	1754	1740	1722	1746
Line amperes	3.33	4.14	5.26	6.59	8.05	9.68	7.47

Performance Graph at 460V, 60Hz, 5.0HP 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