

BALDOR® • RELIANCE 

Product Information Packet

VEM3557

1.5HP, 1165RPM, 3PH, 60HZ, 56C, 3632M, TEFC, F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS916	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36J035	Layout:	36LYJ035	Poles:	06	Created Date:	04-30-2015
Base:	N	Eff. Date:	07-19-2017	Leads:	9#16		

Specs			
Catalog Number:	VEM3557	Front Shaft Indicator:	None
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	56C	Insulation Class:	F
Frame Material:	Steel	Inverter Code:	Inverter Ready
Motor Letter Type:	Three Phase	KVA Code:	K
Output @ Frequency:	1.500 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3632M
Agency Approvals:	NEMA_PREMIUM	Mounting Arrangement:	F1
	UR	Power Factor:	67
	NEMA PREMIUM	Product Family:	General Purpose
	CSA EEV	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:	4.800 A @ 230.0 V	Shaft Rotation:	Reversible
	5.000 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
	2.400 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No 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:	Standard	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP3441LUA										
CAT.NO.	VEM3557									
SPEC	36J035S916G1									
HP	1.5									
VOLTS	230/460									
AMPS	4.8/2.4									
RPM	1165									
FRAME	56C				HZ	60			PH	3
SF	1.15		CODE	K	DES	B		CLASS	F	
NEMA NOM. EFF	87.5		PF	67						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					N/A
ENCL	TEFC		SER							
DE	6206			ODE	6205					
VPWM INVERTER READY										
CT6-60H(10:1)VT3-60H(20:1										
	50Hz 1.5HP 190/380V 4.8/2.4A								SF1.0	

AC Induction Motor Performance Data

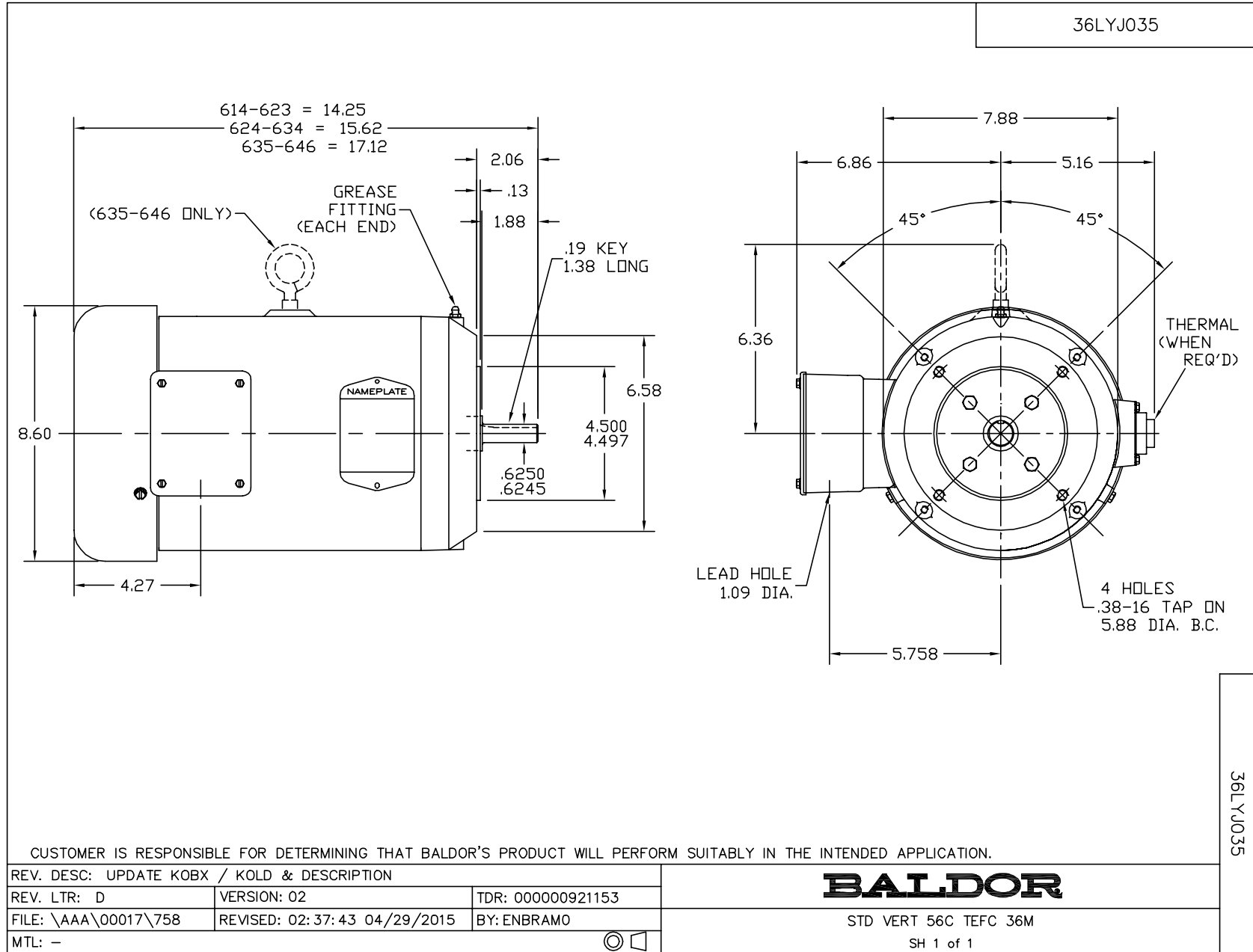
Record # 38403

Typical performance - not guaranteed values

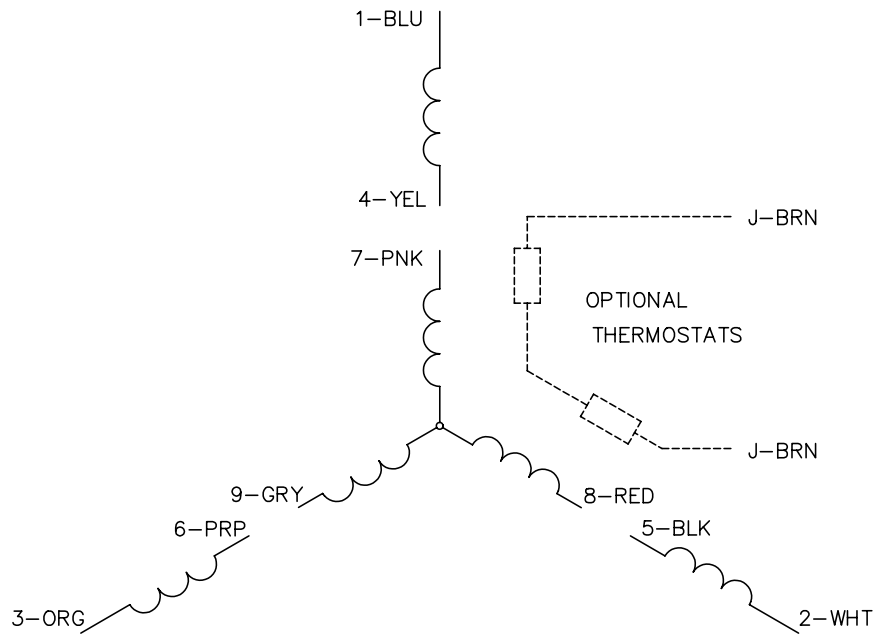
Winding: 36WGS916-R004		Type: 3632M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5	Full Load Torque	6.86 LB-FT
Volts	230/460	Start Configuration	direct on line
Full Load Amps	4.8/2.4	Breakdown Torque	23.8 LB-FT
R.P.M.	1165	Pull-up Torque	12.5 LB-FT
Hz	60 Phase	Locked-rotor Torque	15.3 LB-FT
NEMA Design Code	B KVA Code	Starting Current	15.8 A
Service Factor (S.F.)	1.15	No-load Current	1.47 A
NEMA Nom. Eff.	87.5 Power Factor	Line-line Res. @ 25°C	7.3716 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	34°C
S.F. Amps		Temp. Rise @ S.F. Load	41°C
		Locked-rotor Power Factor	30
		Rotor inertia	0.301 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

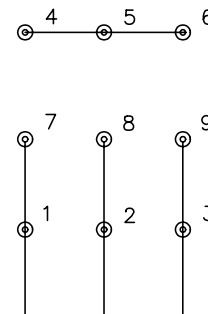
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	48	59	67	71	74	69
Efficiency	79.1	86	87.5	87.5	86.5	85.2	86.9
Speed	1192.2	1184.8	1176.8	1168.1	1158.2	1147.5	1162
Line amperes	1.57	1.77	2.07	2.43	2.88	3.36	2.7



CD0005

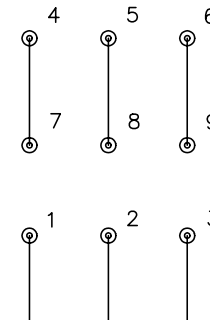


LOW VOLTAGE
(2Y)



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