

BALDOR® • RELIANCE

Product Information Packet

WALKER INDUSTRIAL PRODUCTS, INC.

VEM3616T

7.5HP,3450RPM,3PH,60HZ,184TC,3646M,TEFC

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646M	Elec. Spec:	36WGR454	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36A003	Layout:	36LYA003
Frame:	184TC	Mounting:	F1	Poles:	02	Created Date:	04-22-2015
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	11-16-2016
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441LUA										
CAT.NO.	VEM3616T									
SPEC.	36A003R454G1									
HP	7.5									
VOLTS	230/460									
AMP	16.2/8.1									
RPM	3450									
FRAME	184TC				HZ	60			PH	3
SER.F.	1.15		CODE	M	DES	A		CL	F	
NEMA-NOM-EFF	89.5		PF	99						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V			17.2		
DE	6206				ODE	6205				
ENCL	TEFC		SN							
VPWM INVERTER READY										
CT6-60H(10:1)VT3-60H(20:1										
50Hz 7.5HP 190/380V 19/9.5A									SF1.0	

AC Induction Motor Performance Data

Record # 53349 - Typical performance - not guaranteed values

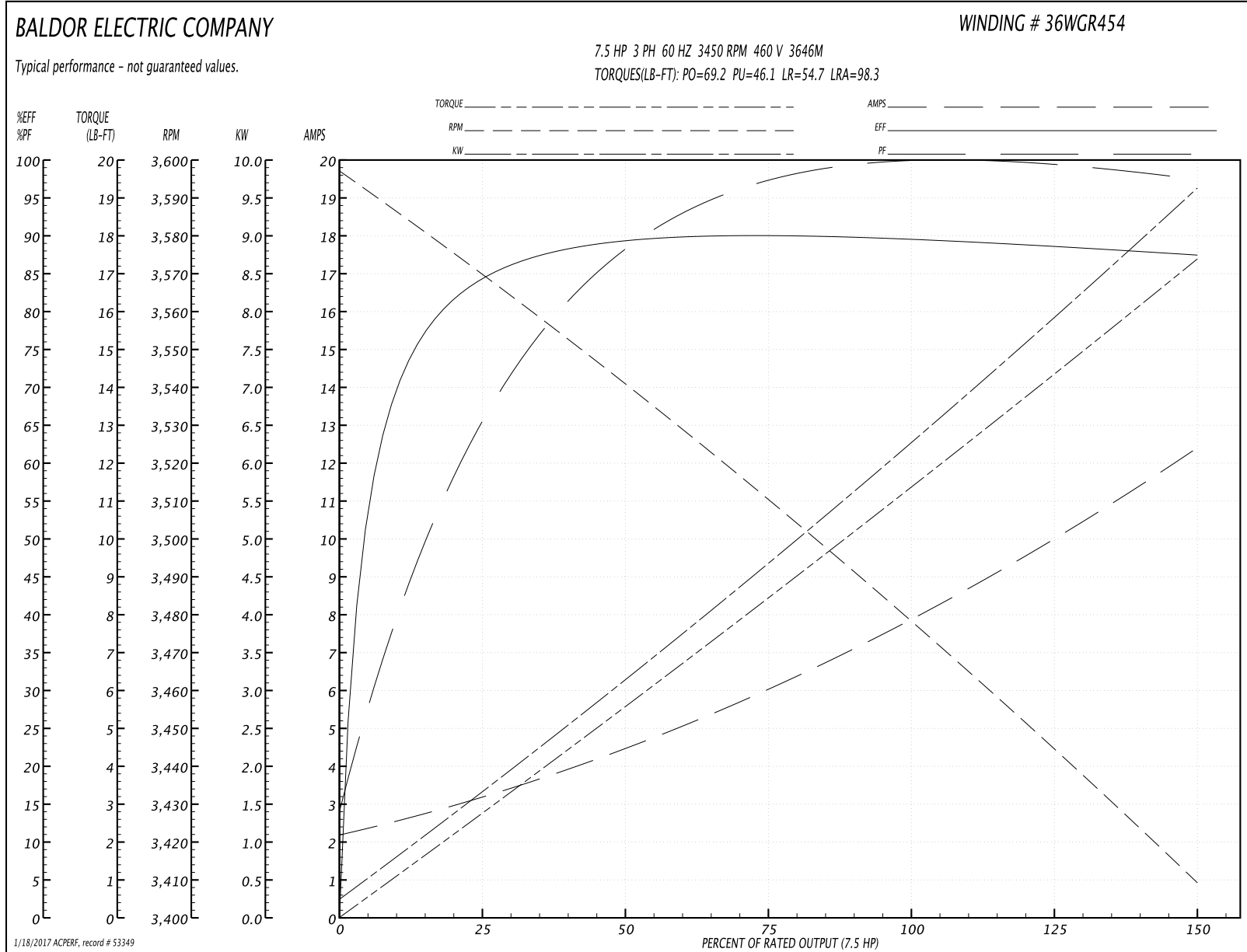
Winding: 36WGR454-R003	Type: 3646M	Enclosure: TEFC
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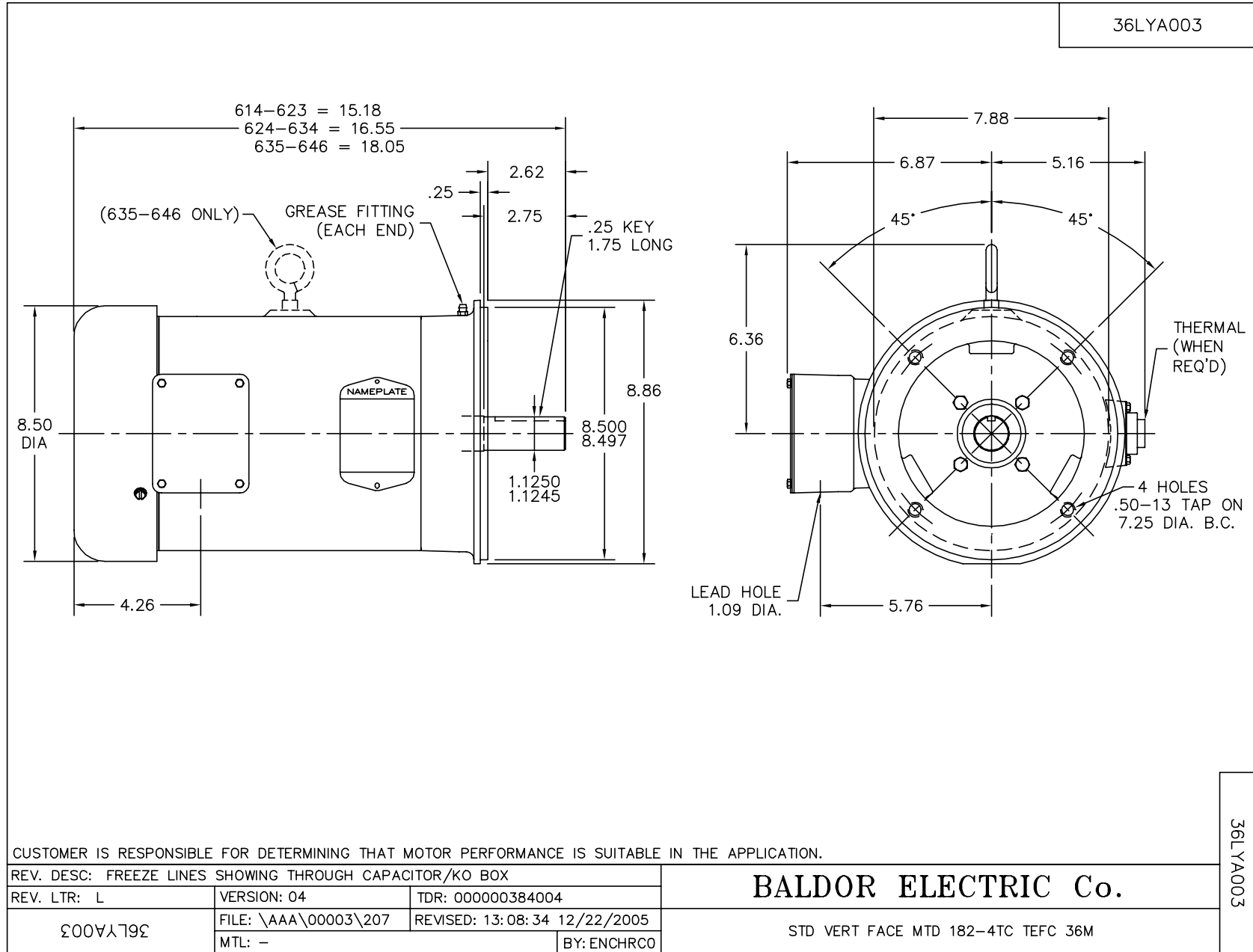
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	11.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	16.2/8.1			Breakdown Torque	69.2 LB-FT
R.P.M.	3450			Pull-up Torque	46.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	54.7 LB-FT
NEMA Design Code	A	KVA Code	M	Starting Current	98.3 A
Service Factor (S.F.)	1.15			No-load Current	2.35 A
NEMA Nom. Eff.	89.5	Power Factor	99	Line-line Res. @ 25°C	1.14 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	66°C
S.F. Amps				Temp. Rise @ S.F. Load	79°C
				Locked-rotor Power Factor	44.3
				Rotor inertia	0.206 LB-FT ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

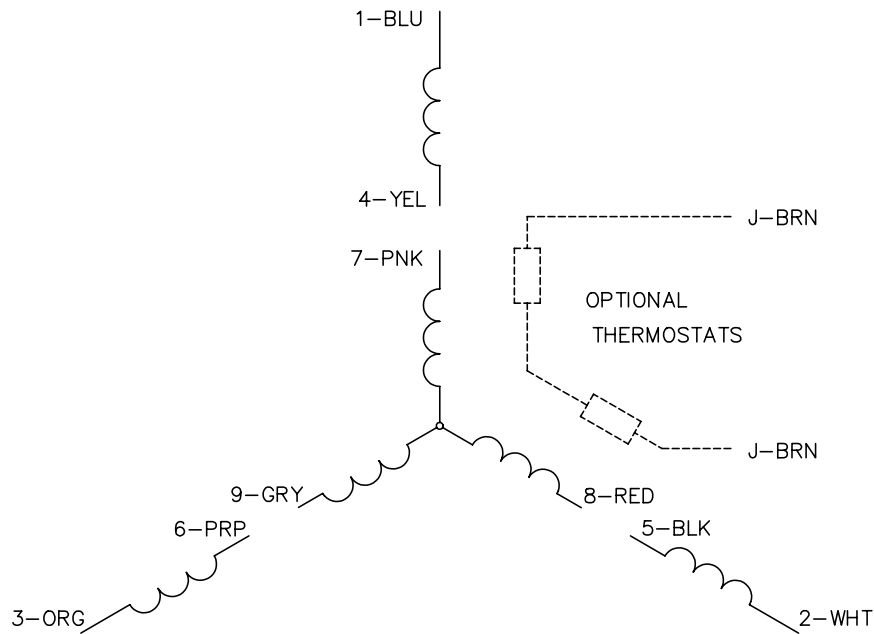
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	64	88	96	99	98	98	98
Efficiency	82.1	88.8	90.2	89.4	88.9	87.4	89.1
Speed	3572	3545	3514	3477	3449	3408	3460
Line amperes	2.83	4.12	5.91	8.07	9.92	12.3	9.18

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

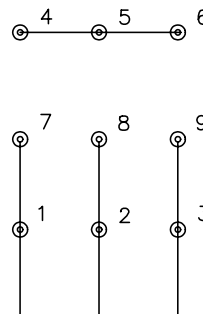




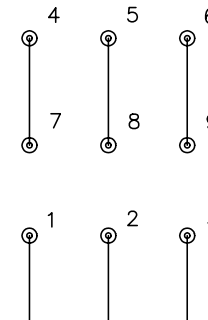
CD0005



LOW VOLTAGE
(2Y)



HIGH VOLTAGE
(1Y)



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
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005