



# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **P56X3990**

**.75HP,1740RPM,3PH,60HZ,56,3518M,XPNV,F1**

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3518M	Elec. Spec:	35WGQ184	CD Diagram:	CD0005
Enclosure:	XPNV	Mfg Plant:		Mech. Spec:	35W518	Layout:	35LYW518
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	06-06-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-16-2015
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Dealers Industrial Equipment -- Visit <https://DealersElectric.com> or call (908) 688-1966 for all of your electric motor & VFD needs!

Nameplate NP1871L											
CAT.NO.	P56X3990										
SPEC.	35W518Q184G1										
HP	.75										
VOLTS	230/460										
AMP	2.2/1.1										
RPM	1740										
FRAME	56				HZ	60			PH	3	
SER.F.	1.15			CODE	K		DES	B		CLASS	F
NEMA-NOM-EFF	82.5				PF	75					
RATING	40C AMB-CONT										
CC											USABLE AT 208V
DE	6205				ODE	6203					
ENCL	XPNV			SN							

Nameplate NP1763XPSL			
NO.			
SPEC.	35W518Q184G1		
XPNPCL1	I		XPNPGR1 D
XPNPCL2	II		XPNPGR2 F&G
XPNPCL3	I		XPNPZN3 1
XPNPTEMP	T3C		XPNPGR3 IIA
BLANK	P56X3990		
BLANK	75C RISE		

Parts List		
Part Number	Description	Quantity
SA158730	SA 35W518Q184G1	1.000 EA
RA147364	RA 35W518Q184G1	1.000 EA
35CB3001A01SP	EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP1700A04	FRONT END PLATE TENV XPNV	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3701A01	PU ENDPLATE, XPFC - 205 BRG	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	8.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.017 GA
HA3104A06	THRUBOLT 5/16-18 X 8.50 OHIO ROD	4.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
NP1871L	SS NO LOGO'S CC AUXILLARY DATA	1.000 EA
NP1763XPSL	SS XP UL CSA AUXILIARY DATA	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

**AC Induction Motor Performance Data**  
Record # 21800 - Typical performance - not guaranteed values

<b>Winding:</b> 35WGQ184-R001	<b>Type:</b> 3518M	<b>Enclosure:</b> TEFC
-------------------------------	--------------------	------------------------

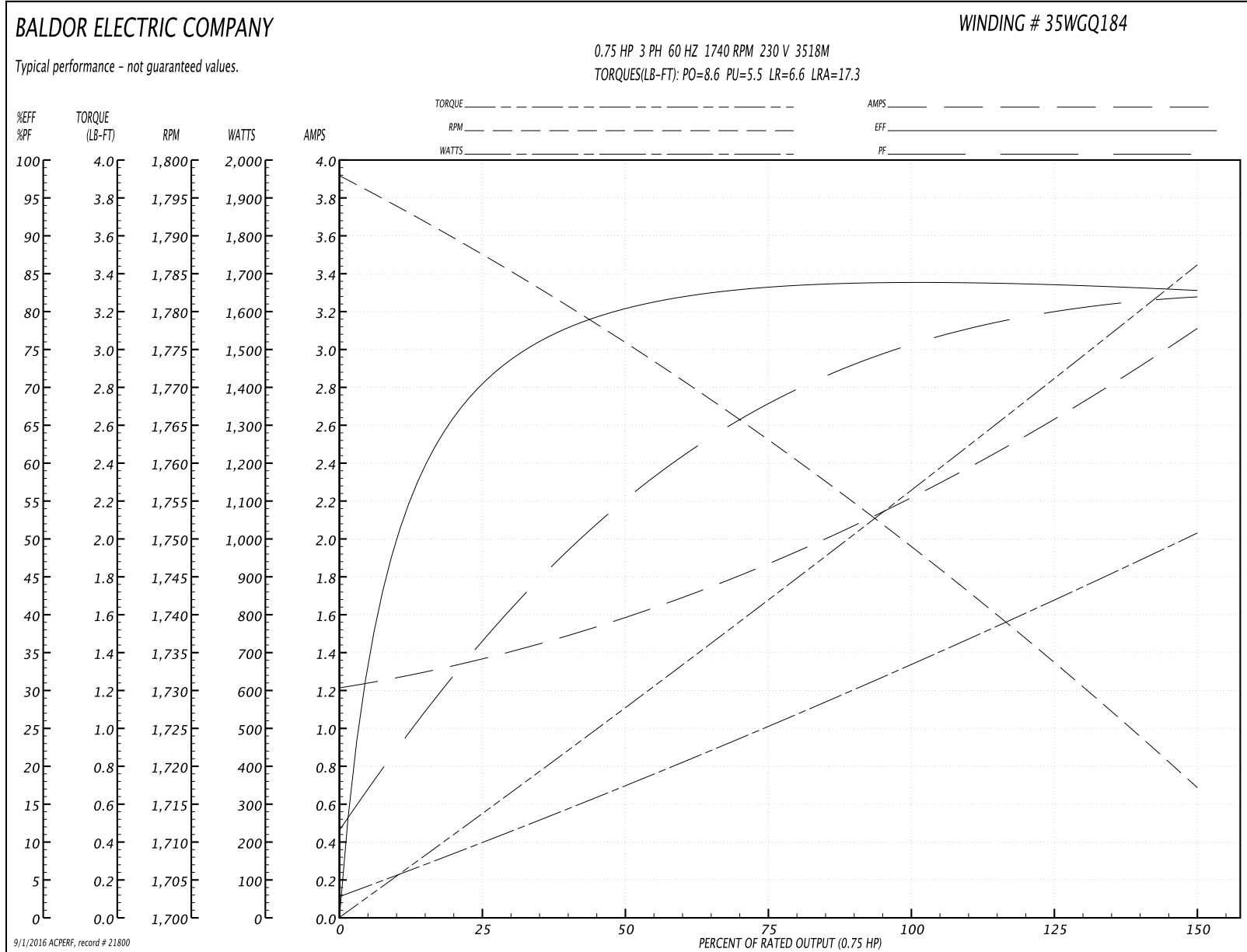
Nameplate Data				230 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2.2/1.1			Breakdown Torque	8.6 LB-FT
R.P.M.	1740			Pull-up Torque	5.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	6.6 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	17.3 A
Service Factor (S.F.)	1.15			No-load Current	1.2 A
NEMA Nom. Eff.	82.5	Power Factor	75	Line-line Res. @ 25°C	5.05 Ω
Rating - Duty	50C AMB-CONT			Temp. Rise @ Rated Load	21°C
S.F. Amps				Temp. Rise @ S.F. Load	25°C
				Rotor inertia	0.107 LB-FT <sup>2</sup>

**Load Characteristics 230 V, 60 Hz, 0.75 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	67	75	79	82	77
Efficiency	69.9	80.5	83.4	84.1	83.7	82.6	83.9
Speed	1786	1774	1762	1749	1734	1716	1740
Line amperes	1.4	1.6	1.9	2.2	2.7	3.1	2.5

Dealers Industrial Equipment -- Visit <https://DealersElectric.com> or call (908) 688-1966 for all of your electric motor & VFD needs!

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values



Dealers Industrial Equipment -- Visit <https://DealersElectric.com> or call (908) 688-1966 for all of your electric motor & VFD needs!



**AC Induction Motor Performance Data**

Record # 50458 - Typical performance - not guaranteed values

<b>Winding:</b> 35WGQ184-R001	<b>Type:</b> 3518M	<b>Enclosure:</b> TEFC
-------------------------------	--------------------	------------------------

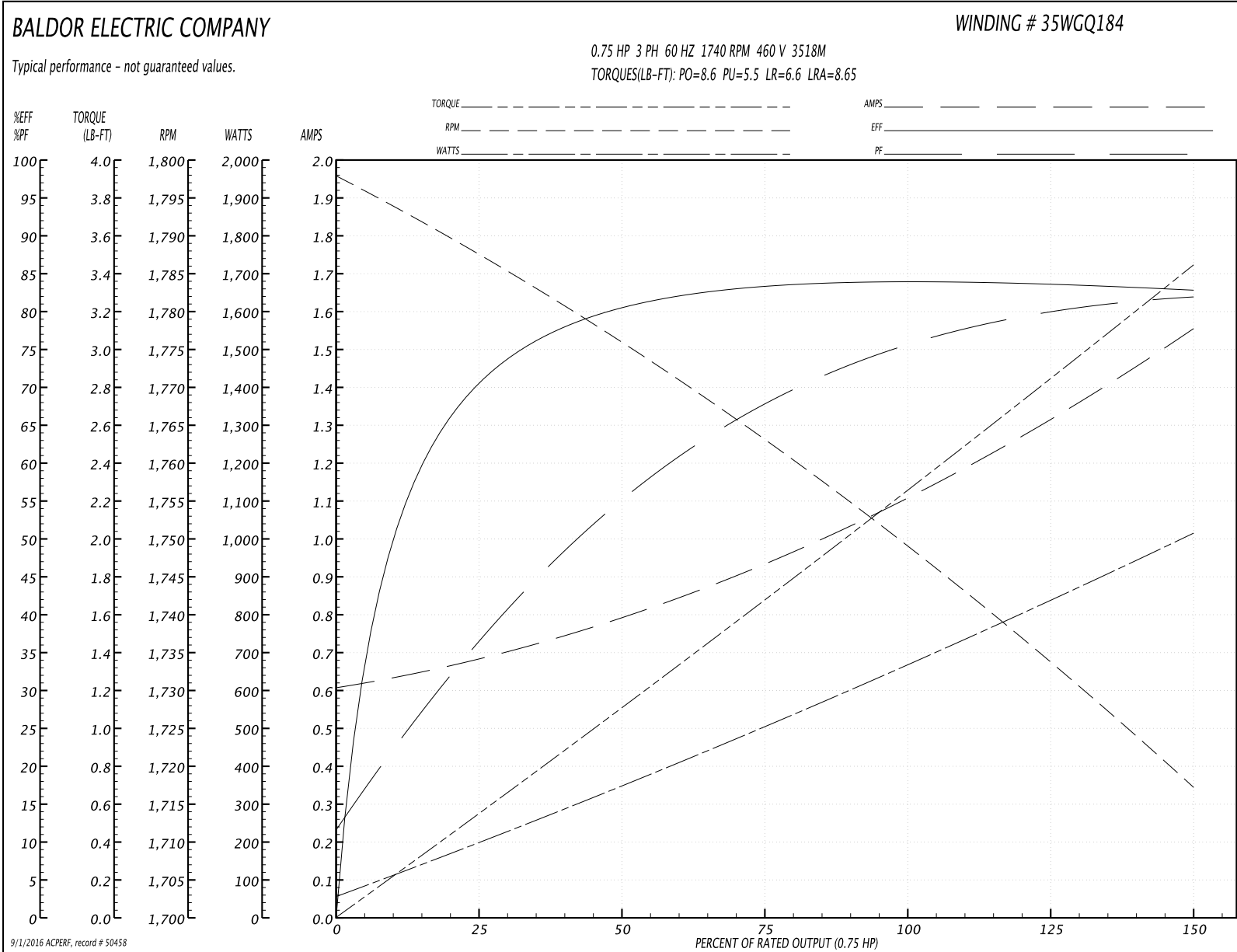
Nameplate Data				460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	.75			Full Load Torque	2.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2.2/1.1			Breakdown Torque	8.6 LB-FT
R.P.M.	1740			Pull-up Torque	5.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	6.6 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	8.65 A
Service Factor (S.F.)	1.15			No-load Current	0.6 A
NEMA Nom. Eff.	82.5	Power Factor	75	Line-line Res. @ 25°C	18.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	21°C
S.F. Amps				Temp. Rise @ S.F. Load	25°C
				Rotor inertia	0.107 LB-FT <sup>2</sup>

**Load Characteristics 460 V, 60 Hz, 0.75 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	56	68	77	79	82	78
Efficiency	69.8	80.5	83.6	84.2	83.9	82.6	84
Speed	1786	1774	1762	1749	1734	1716	1740
Line amperes	0.7	0.8	0.95	1.1	1.35	1.55	1.25

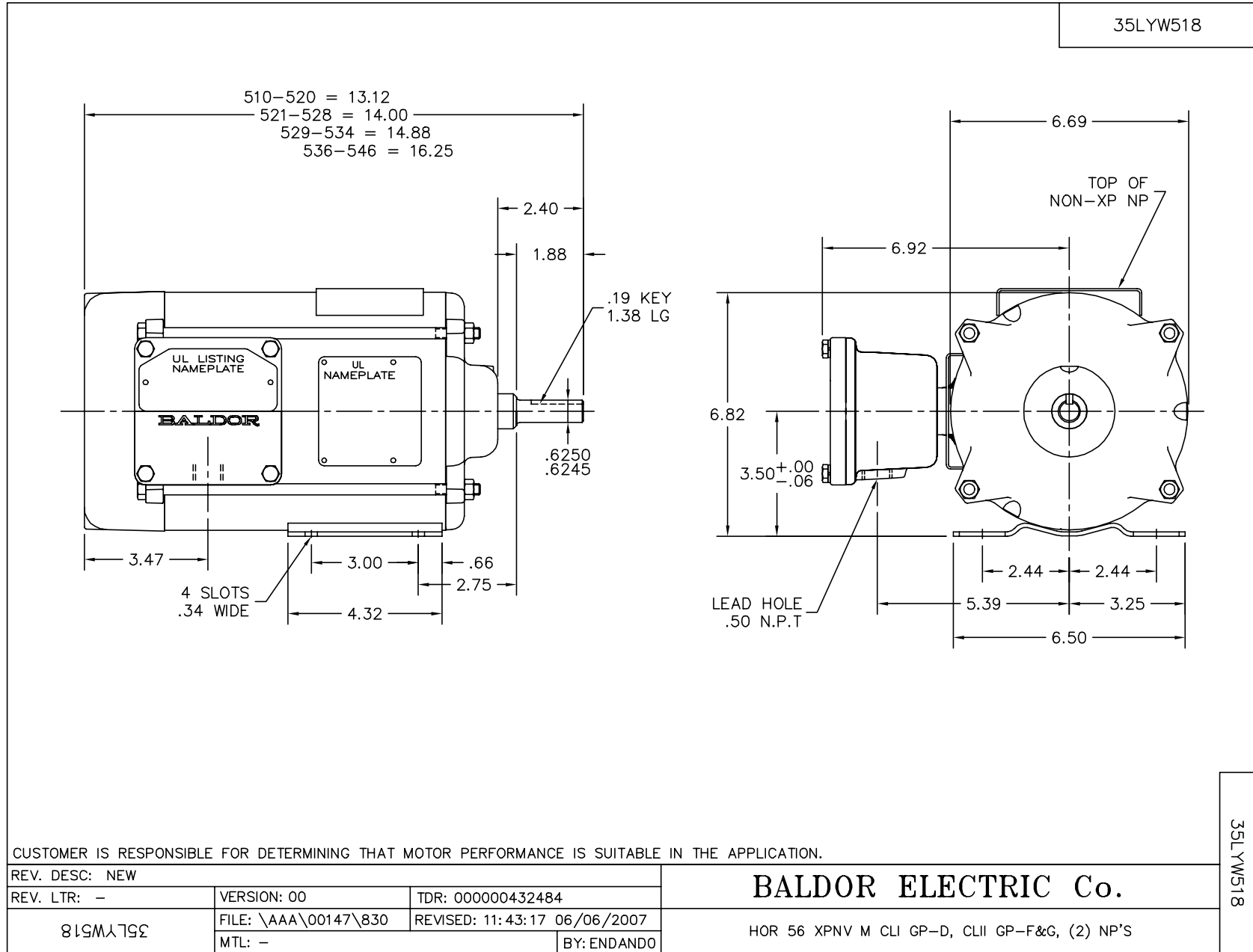
Dealers Industrial Equipment -- Visit <https://DealersElectric.com> or call (908) 688-1966 for all of your electric motor & VFD needs!

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values



Dealers Industrial Equipment -- Visit <https://DealersElectric.com> or call (908) 688-1966 for all of your electric motor & VFD needs!

Dealers Industrial Equipment -- Visit <https://DealersElectric.com> or call (908) 688-1966 for all of your electric motor & VFD needs!



Dealers Industrial Equipment -- Visit <https://DealersElectric.com> or call (908) 688-1966 for all of your electric motor & VFD needs!

