

# **BALDOR® • RELIANCE**

**Product Information Packet**

**ELECTRIC MOTOR WHOLESAL.COM**

**VWDM3554**

**1.5HP,1755RPM,3PH,60HZ,56C,3526M,TENV,F1**

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3526M	Elec. Spec:	35WGP689	CD Diagram:	
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35S603	Layout:	
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	02-18-2008
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	11-18-2011
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:	

**Nameplate NP1496L**

CAT.NO.	VWDM3554						
SPEC.	35S603P689						
HP	1.5						
VOLTS	208-230/460						
AMP	4.9-4.5/2.25						
RPM	1755						
FRAME	56C	HZ	60	PH	3		
SER.F.	1.15	CODE	M	DES	B	CLASS	F
NEMA-NOM-EFF	85.5	PF	72				
RATING	40C AMB-CONT						
CC			USABLE AT 208V				
DE	6205	ODE	6203				
ENCL	TENV	SN					

Parts List		
Part Number	Description	Quantity
SA168807	SA 35S603P689	1.000 EA
RA157100	RA 35S603P689	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01W	35 CB .50 NPT @ 6, MACH WHITE EPOXY	1.000 EA
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	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
35EP3100M71MW	SPL FR ENDPLATE -TENV- SP.#9 (WHITE EPOX	1.000 EA
HW4032A01	BLUE DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
HW4032A01	BLUE DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49SP	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
35CB4522	35 LIPPED CB LID AUTOPHORETIC	1.000 EA
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW4600B32SP	V-RING SLINGER 1.000 X 1.540 X 0.240	1.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A01	46-665 RED SEALER	0.001 QT
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
35EP3300A48MW	SPL FACE MTD EP - 205 BRG - W/SEAL FOR W	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MG1025Z20	ACTIVATOR WILKOFAST 060.32	0.010 GA
MG1025W11	PAINT- 781-101 WILKOFAST WHITE EPOXY	0.017 GA
HA3100S07	THRUBOLT 10-32 X 8.375 SS	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1496L	WD, SS, UL CSA CC, W/O THERMAL, LASER	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

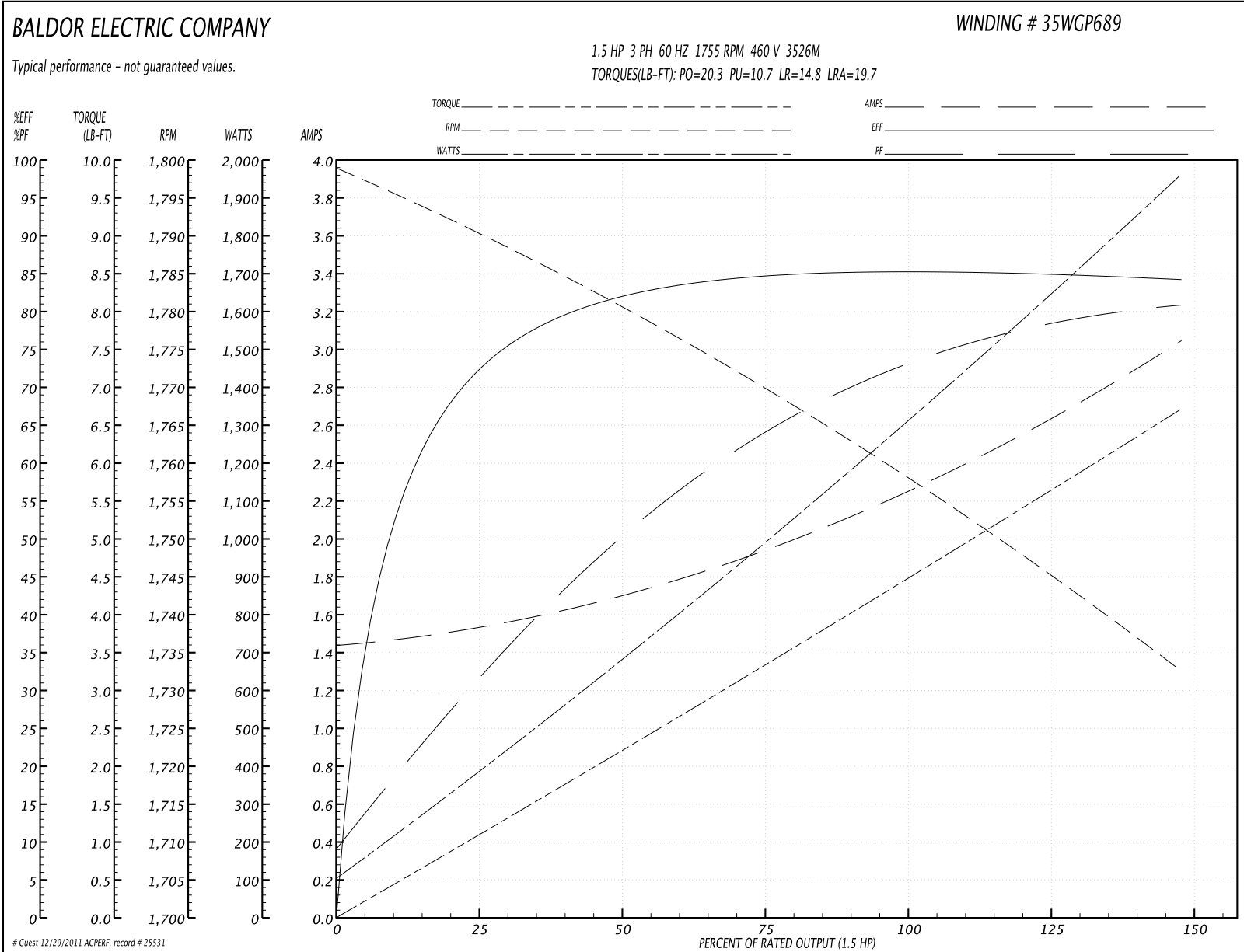
**Performance Data at 460V, 60Hz, 1.5HP (Typical performance - Not guaranteed values)**
**General Characteristics**

<b>Full Load Torque:</b>	4.41 LB-FT	<b>Start Configuration:</b>	DOL
<b>No-Load Current:</b>	1.45 Amps	<b>Break-Down Torque:</b>	20.3 LB-FT
<b>Line-line Res. @ 25°C.:</b>	9.05 Ohms A Ph / 0.0 Ohms B Ph	<b>Pull-Up Torque:</b>	10.7 LB-FT
<b>Temp. Rise @ Rated Load:</b>	82 C	<b>Locked-Rotor Torque:</b>	14.8 LB-FT
<b>Temp. Rise @ S.F. Load:</b>	96 C	<b>Starting Current:</b>	19.7 Amps

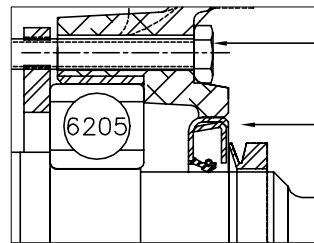
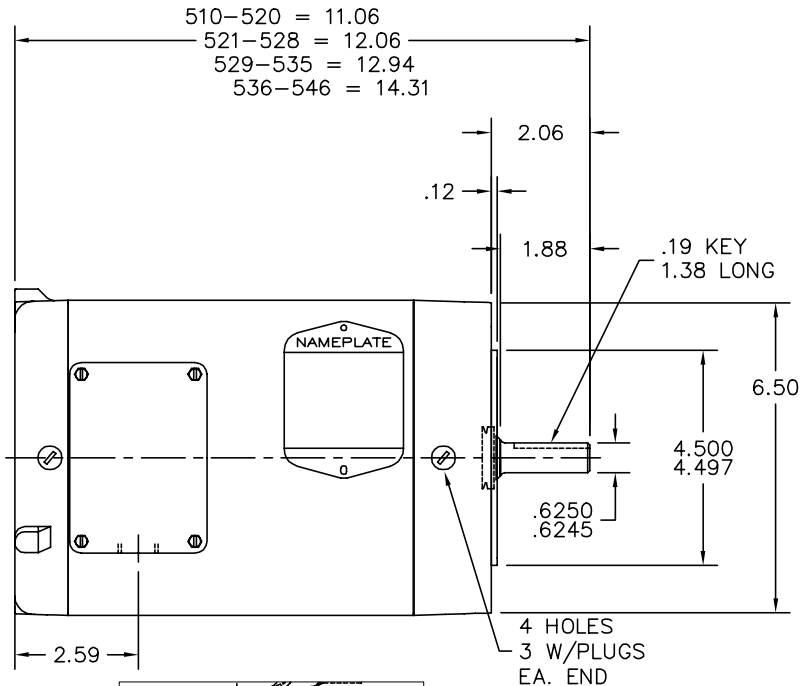
**Load Characteristics**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor:</b>	31.0	50.0	63.0	72.0	78.0	81.0	76.0
<b>Efficiency:</b>	71.6	81.6	84.7	85.5	85.2	84.2	85.3
<b>Speed:</b>	1791.0	1781.0	1770.0	1759.0	1747.0	1732.0	1752.0
<b>Line Amperes:</b>	1.51	1.68	1.93	2.24	2.61	3.04	2.46

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values



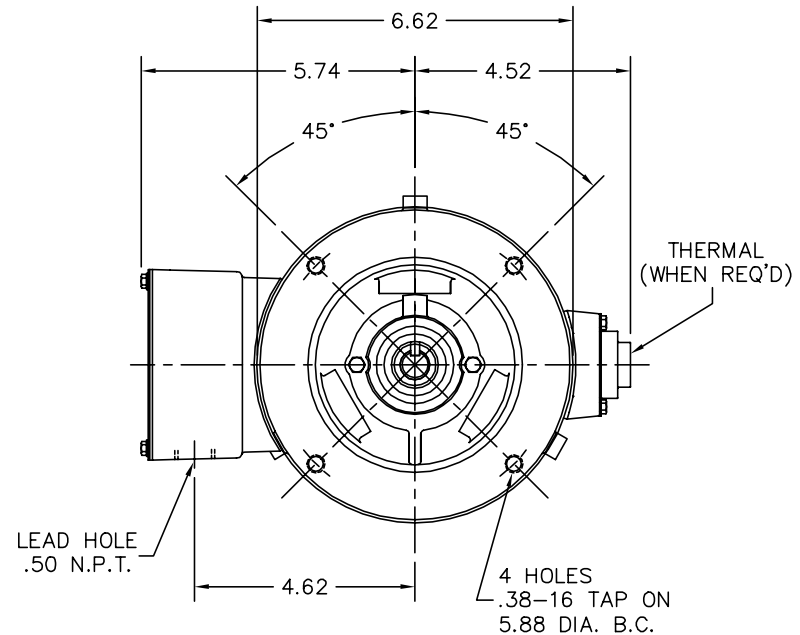
35LYS603



APPLY COAT OF RED SEALER UNDER BRG RET SCREW HEADS

APPLY COAT OF RED SEALER TO HOUSING BEFORE PRESSING SEAL IN

PULLEY END DETAIL



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: CHG'D FORSHEDA SLINGER FROM HW4600B46 TO HW4600B32		
REV. LTR: D	VERSION: 04	TDR: 000000537996
FILE: \AAA\00092\985		REVISED: 08: 44:01 04/27/2010
MTL: -		BY: ENROSP0

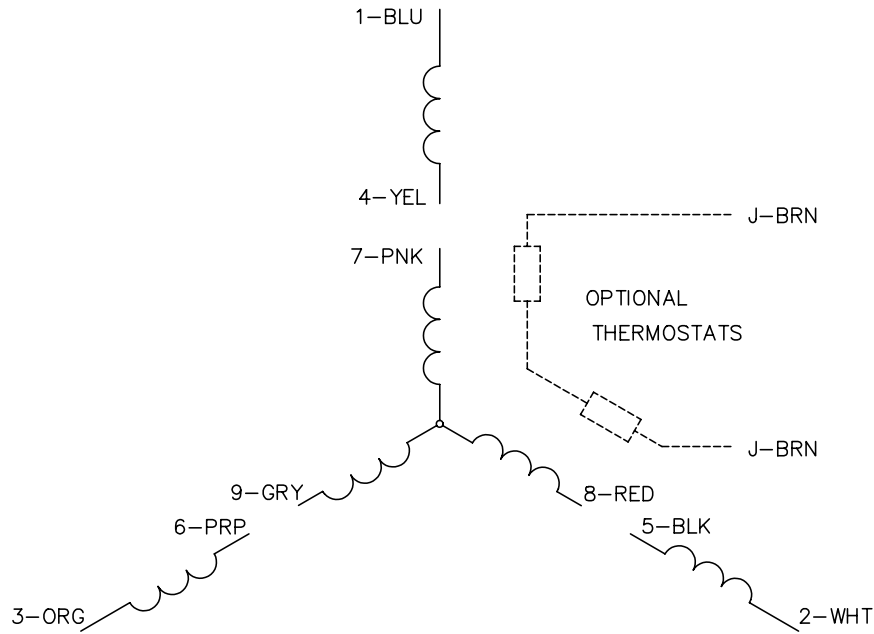
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STD VERT 56C TENV 35M WD (S/P #9)

SH 1 of 1

35LYS603

CD0005

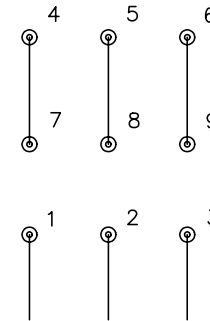


LOW VOLTAGE  
(2Y)



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
900000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005