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Product Information Packet

WDM3538

.5HP,1740RPM,3PH,60HZ,56,3512M,TENV,F1,N

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Part Detail							
Revision:	J	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3512M	**Elec. Spec:**	35WGP863	**CD Diagram:**	CD0005
Enclosure:	TENV	**Mfg Plant:**		**Mech. Spec:**	35S578	**Layout:**	35LYS578
Frame:	56	**Mounting:**	F1	**Poles:**	04	**Created Date:**	04-20-2011
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	12-09-2016
Leads:	9#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP1496L

CAT.NO.	WDM3538								
SPEC.	35S578P863G1								
HP	.5								
VOLTS	230/460								
AMP	1.6/.8								
RPM	1740								
FRAME	56		**HZ**	60			**PH**	3	
SER.F.	1.25	**CODE**	M		**DES**	B	**CLASS**	F	
NEMA-NOM-EFF	80	**PF**	69						
RATING	40C AMB-CONT								
CC				**USABLE AT 208V**	1.8				
DE	6205			**ODE**	6203				
ENCL	TENV	**SN**							
	SFA 1.9/0.95								

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Parts List

Part Number	Description	Quantity
SA222179	SA 35S578P863G1	1.000 EA
RA209310	RA 35S578P863G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01W	35 CB .50 NPT @ 6, MACH WHITE EPOXY	1.000 EA
35GS1040	35 MOLDED GASKET W/LIP, LEAD SEAL,	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD 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	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35PE3101A55MW	PUEP ASSEMBLY FOR ROUTING	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
XY1032S02	10-32 HEX NUT R.H. S STL	4.000 EA
35CB4522	35 LIPPED CB LID PRIMED	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
HW4600B46	V-RING SLINGER 0.875 X 1.420 X .24 VITON	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
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z02	ACTIVATOR WILKOFAST 060.02HF	0.010 GA
MG1025W01	WILKOFAST, 781.01, SIGNAL WHITE #9003	0.017 GA
HA3100S07	THRUBOLT 10-32 X 8.375 SS	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

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AC Induction Motor Performance Data

Record # 36575 - Typical performance - not guaranteed values

Winding: 35WGP863-R016	**Type:** 3512M	**Enclosure:** TENV

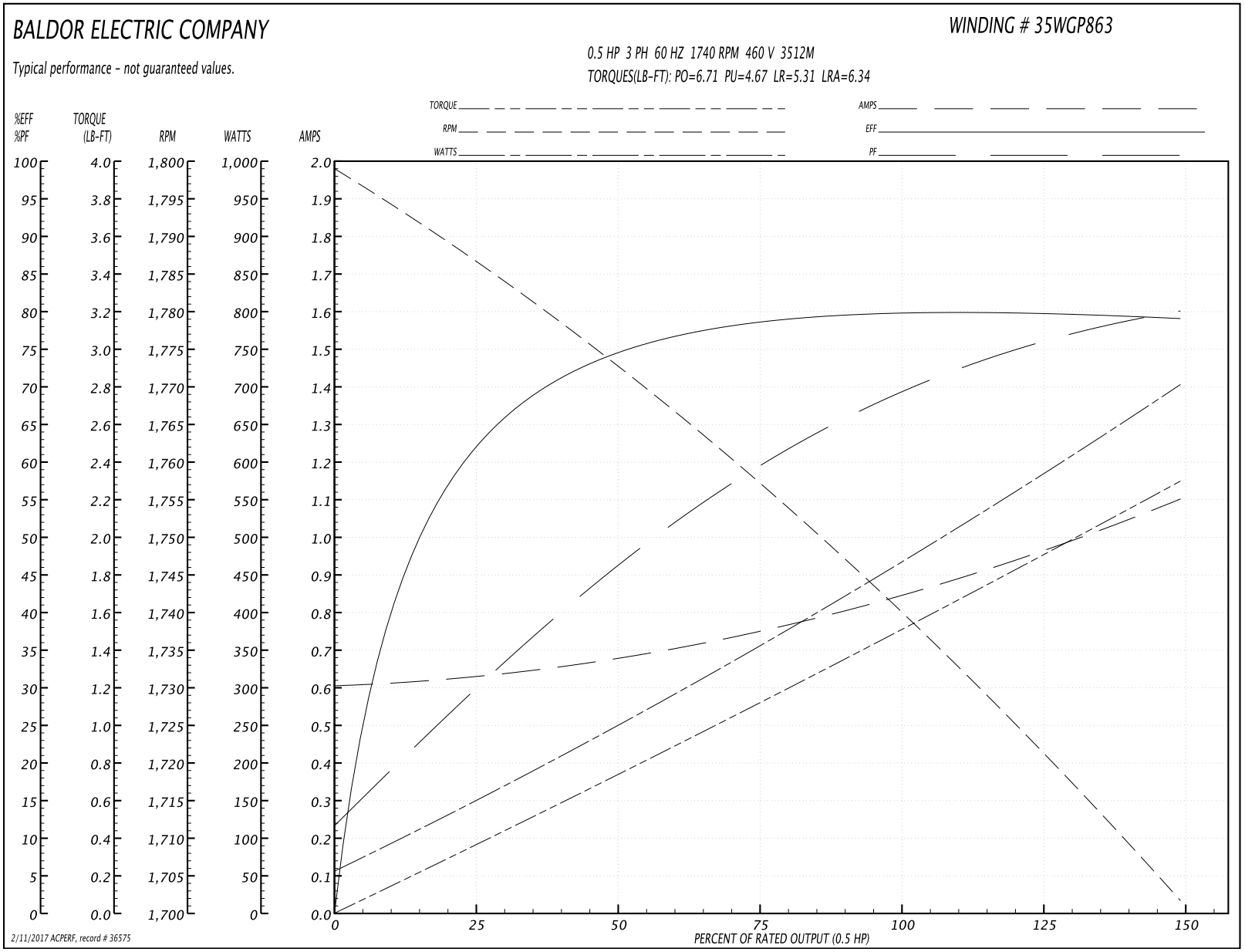
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.49 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	1.6/.8			Breakdown Torque	6.71 LB-FT
R.P.M.	1740			Pull-up Torque	4.67 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.31 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	6.34 A
Service Factor (S.F.)	1.25			No-load Current	0.608 A
NEMA Nom. Eff.	80	Power Factor	69	Line-line Res. @ 25ºC	34 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C
S.F. Amps	1.9/0.95			Temp. Rise @ S.F. Load	65°C
				Locked-rotor Power Factor	74
				Rotor inertia	0.0709 LB-FT2

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	45	59	69	75	80	75
Efficiency	59.5	73.1	78.5	80	80.1	78.9	80.1
Speed	1788	1774	1759	1741	1722	1702	1722
Line amperes	0.624	0.669	0.744	0.844	0.957	1.1	0.957

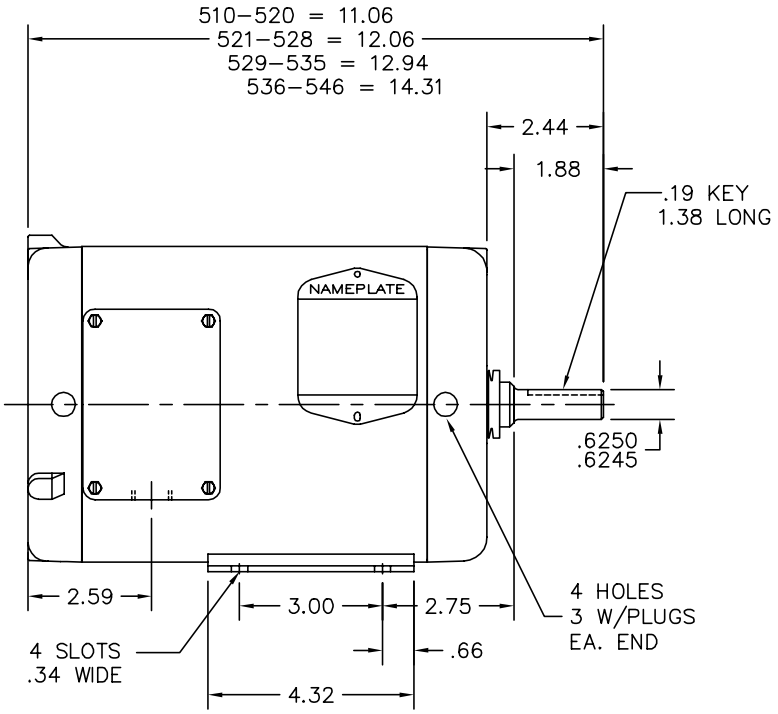
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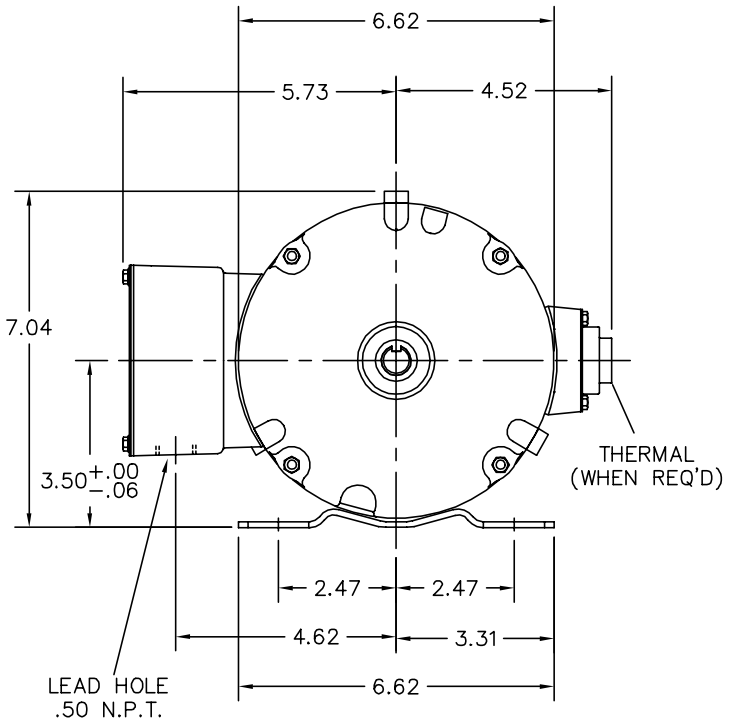
Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values

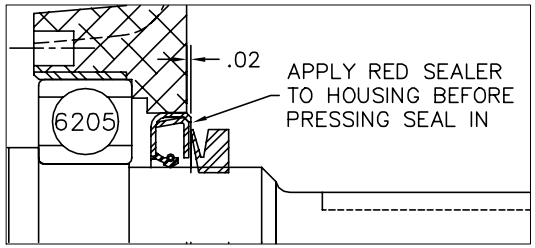


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35LYS578







PULLEY END DETAIL

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

REV. DESC: REPLACE 35SB0008 W/35SB2081 & 35BA4010 IN MECH DWG		
REV. LTR: C	VERSION: 03	TDR: 000000969661
FILE: \AAA\00092\889	REVISED: 02:55:21 03/07/2016	BY: FPJEFG0
MTL: –		

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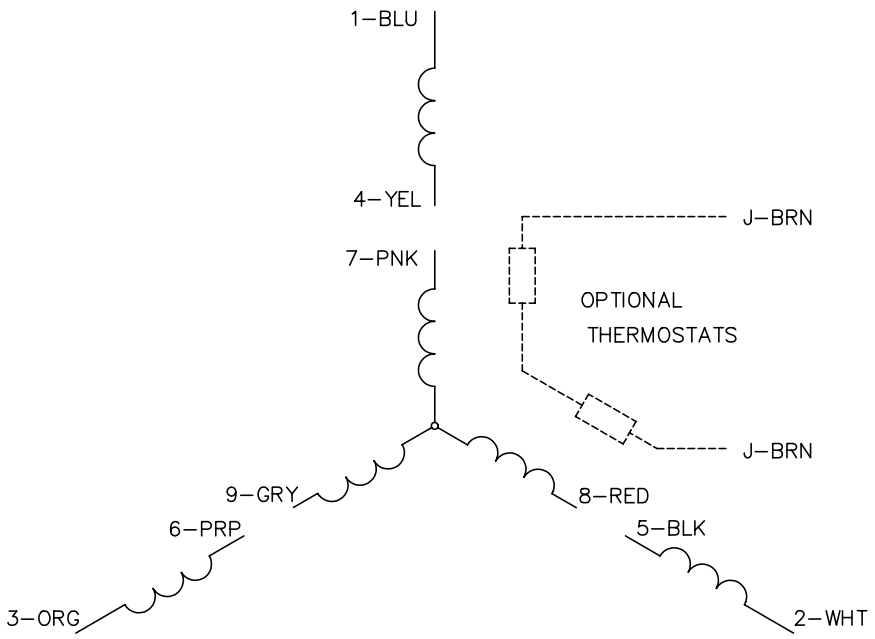
STD HORZ 56 TENV M WD (SP#9)

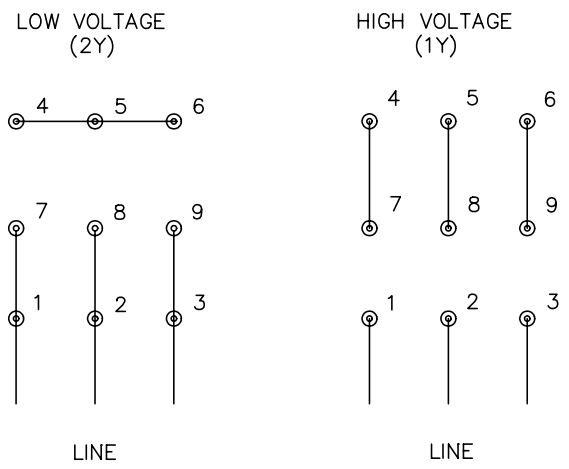
SH 1 of 1

35LYS578

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CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS

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