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Product Information Packet

UCM575

5-7 1/2HP,3450RPM,3PH,60HZ,184TZ,3628M,O

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Part Detail

Revision:	V	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3628M	**Elec. Spec:**	36WG2512	**CD Diagram:**	CD0005
Enclosure:	OPAO	**Mfg Plant:**		**Mech. Spec:**	36F551	**Layout:**	36LYF551
Frame:	184TZ	**Mounting:**	F1	**Poles:**	02	**Created Date:**	
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	08-22-2016
Leads:	9#16 30" G Y					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP1279L

CAT.NO.	UCM575						
SPEC.	36F551-2512G1						
HP	5-7.5 AIR OVER						
VOLTS	230/460						
AMP	19/9.5						
RPM	3450						
FRAME	184TZ	HZ	60			PH	3
SER.F.	1.00	CODE	F	DES	-	CL	F
NEMA-NOM-EFF	84	PF	87				
RATING	40C AMB-CONT						
CC				USABLE AT 208V	20.4		
DE	6206	ODE	6205				
ENCL	OPAO	SN					

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Nameplate NP1263L

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Parts List

Part Number	Description	Quantity
SA035085	SA 36F551-2512G1	1.000 EA
RA031112	RA 36F551-2512G1	1.000 EA
HA6011A01	ADAPTOR, MACH	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 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
36EP3200A06	FR ENDPLATE, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HA1103A08	RODENT SCREEN, 36 FRAME, OPEN, FRONT END	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3201A03	FR/PU ENDPLATE, ASSEMBLY FOR ROUTING	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HA1103A10	RODENT SCREEN, 36 FRAME, OPEN, PULLEY EN	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
10XN2520A20	1/4-20X 1 1/4 HEX HD X	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
HW2501E18	KEY, 1/4 SQ X 2.000	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

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Parts List (continued)

Part Number	Description	Quantity
MG1025C02	WILKOFAST SG, 787.105, TAN	0.022 GA
LB1001	LABEL, GREASE-EXXON POLYREX EM	1.000 EA
LD5000A22	LEAD ASSY, ML1400DF14 W/#10 RING TERM	1.000 EA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1279L	ALUM FARM DUTY UL CSA CC	1.000 EA
NP1263L	AUX, GP, ALUM, CC, LASER ETCHED	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

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Accessories

Part Number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

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AC Induction Motor Performance Data

Record # 36903 - Typical performance - not guaranteed values

Winding: 36WG2512-R004	**Type:** 3628M	**Enclosure:** OPAO

Nameplate Data			
Rated Output (HP)	5-7.5 AIR OVER		
Volts	230/460		
Full Load Amps	19/9.5		
R.P.M.	3450		
Hz	60	Phase	3
NEMA Design Code	-	KVA Code	F
Service Factor (S.F.)	1		
NEMA Nom. Eff.	84	Power Factor	87
Rating - Duty	40C AMB-CONT		

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	11.4 LB-FT
Start Configuration	direct on line
Breakdown Torque	40 LB-FT
Pull-up Torque	36.1 LB-FT
Locked-rotor Torque	37 LB-FT
Starting Current	51.4 A
No-load Current	4 A
Line-line Res. @ 25ºC	2.17 Ω
Temp. Rise @ Rated Load	
Locked-rotor Power Factor	56
Rotor inertia	0.126 LB-FT2

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	54	74	83	87	88	89
Efficiency	70.7	80.5	83.4	84	83.9	82.2
Speed	3558	3526	3488	3450	3406	3361
Line amperes	4.68	6.02	7.68	9.55	11.8	14

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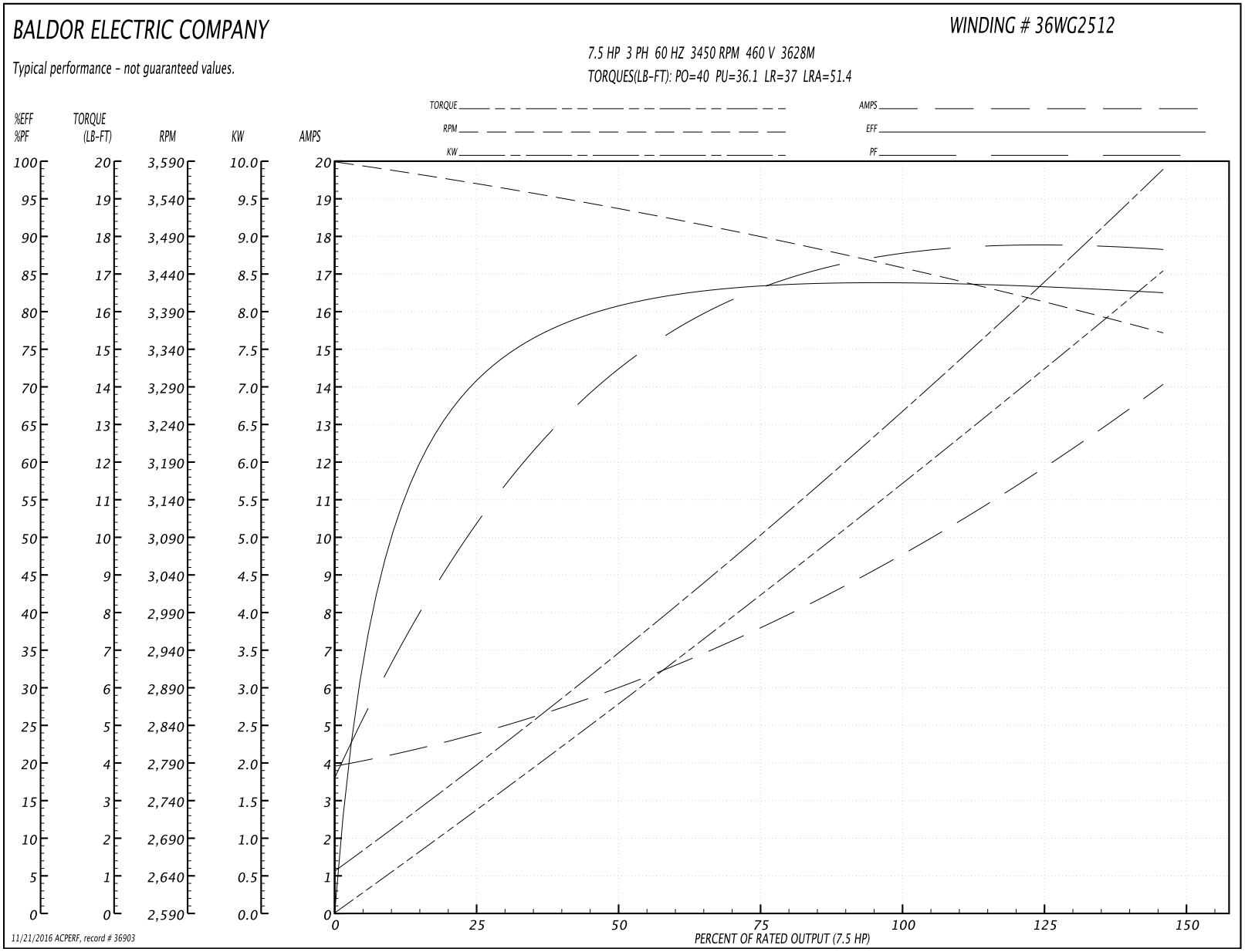
Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values



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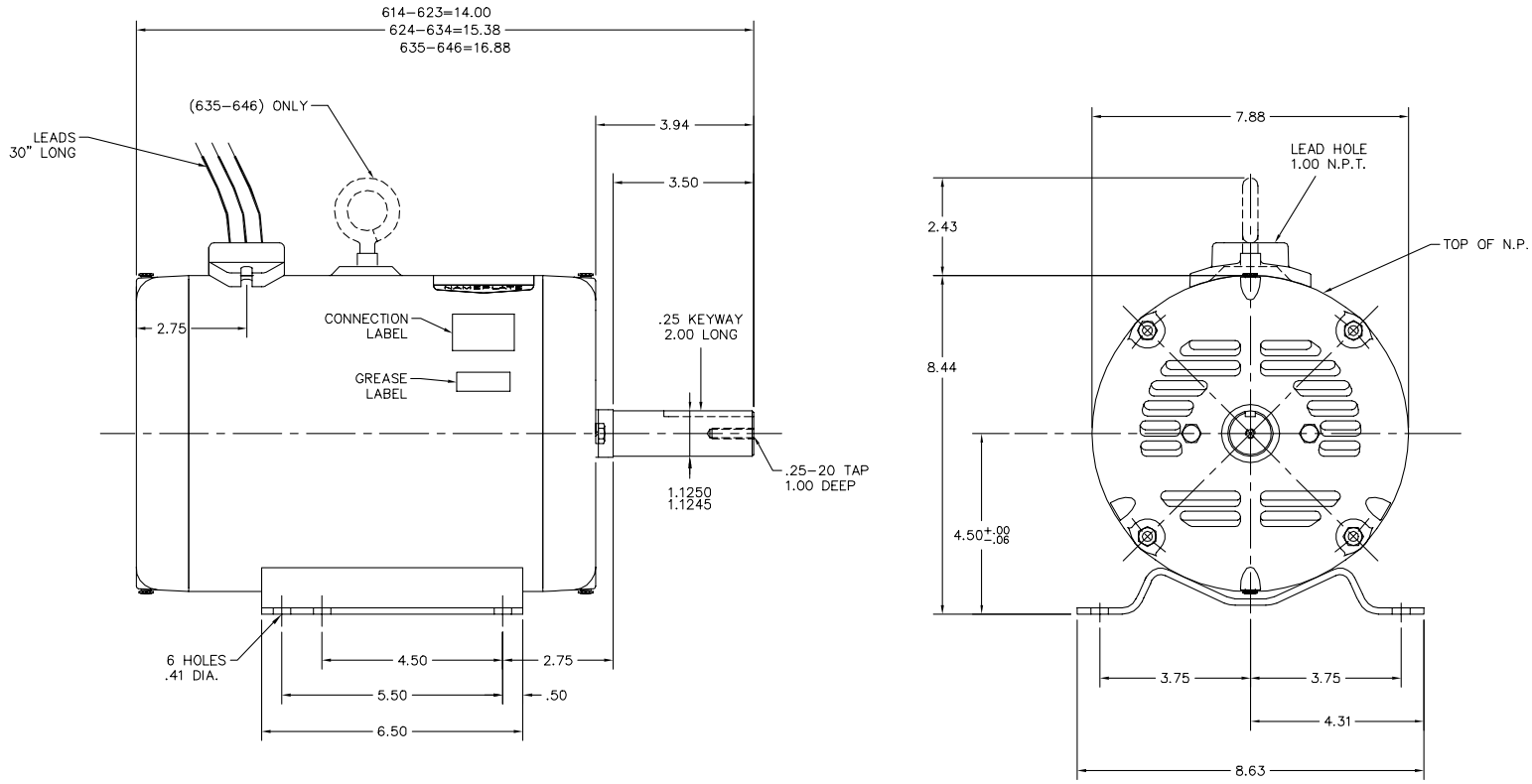
36LYF551



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: ADD DIM. FROM FREP TO CENTER OF LEAD HOLE		
REV. LTR: J	VERSION: 01	TDR: 000000443387
FILE: \AAA\00016\114	REVISED: 10:25:12 09/13/2007	BY: ENMATRO
MTL: –		

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HOR 182–4TZ 36M OPEN UNIV.CROP DRYER W/T'STAT

36LYF551

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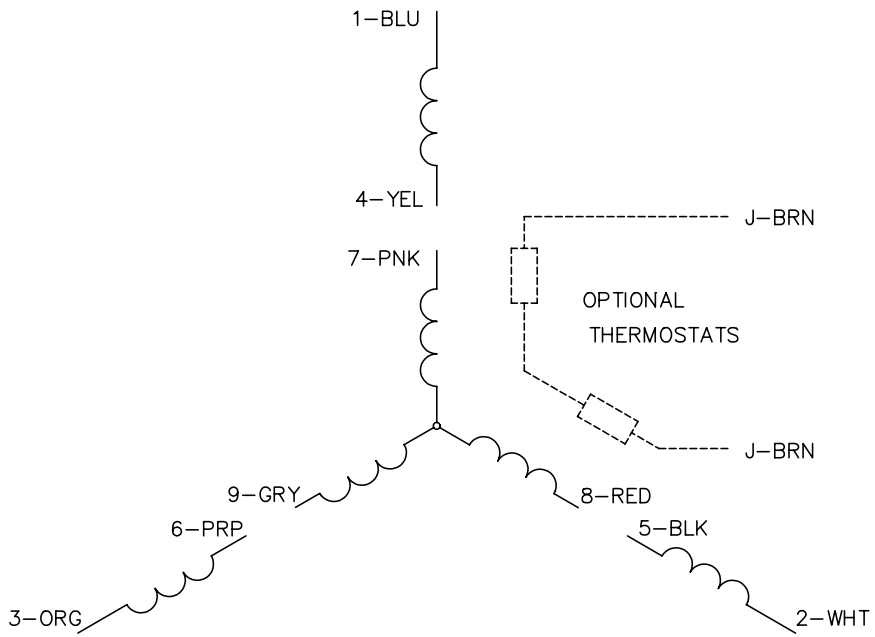
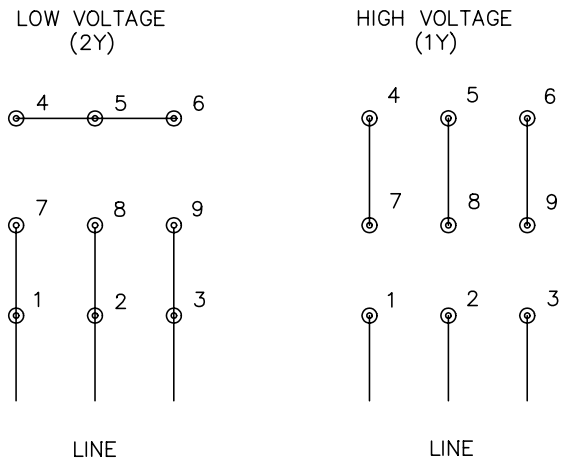
CD0005





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.

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

CD0005

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