

PRODUCT INFORMATION PACKET



Model No: OS2024L
Catalog No: OS2024L
1/4 HP Fan and Blower HVAC/R Motor, 1 phase, 1800 RPM, 115 V, 48 Frame, OPEN
Fan and Blower Motors



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Nameplate Specifications

Output HP	1/4 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	115 V
Current	4.6 A	Speed	1725 rpm
Service Factor	1.35	Phase	1
Duty	Continuous	Insulation Class	B
Frame	48	Enclosure	Open Enclosed
Thermal Protection	None	Ambient Temperature	40 °C
UL	No	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Split Phase	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid Base	Drive End Bearing	Sleeve
Opp Drive End Bearing	Sleeve	Frame Material	Rolled Steel
Shaft Type	Flat	Overall Length	8.90 in
Frame Length	4.69 in	Shaft Diameter	0.500 in
Shaft Extension	1.62 in		
Outline Drawing	3923C03F01	Connection Drawing	626987-001

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S* PD 18364 4

CHANGES

REDRAWN
ADDED BOTTOM
SECTIONAL VIEWS
OF BASE & MOTOR

ADDED .144 DIA HOLE
TO RESIL BASE
PD 18364

STOKES 2-19-85
REWORKED 3-24-85
(P) 11/10/85

THRU-BOLT & BOX
COVER SCREW HEADS
WERE SHOWN AS
ROUND HEADS
PD 18364

5/11/85
5/14/86

ADDED "XO" "XK" & "XM"
DIMS TO F&B TAB.
CN 39734

3/50 4-25-90
5/11/96

CHANGED DECAL
AND MANUAL
THERMO BUTTON
NOTES

9260261
B.BISER 6-2-92
6/2/92

FOR ADDED GROUND
LEAD

0044046
3/20/01
K GORDON

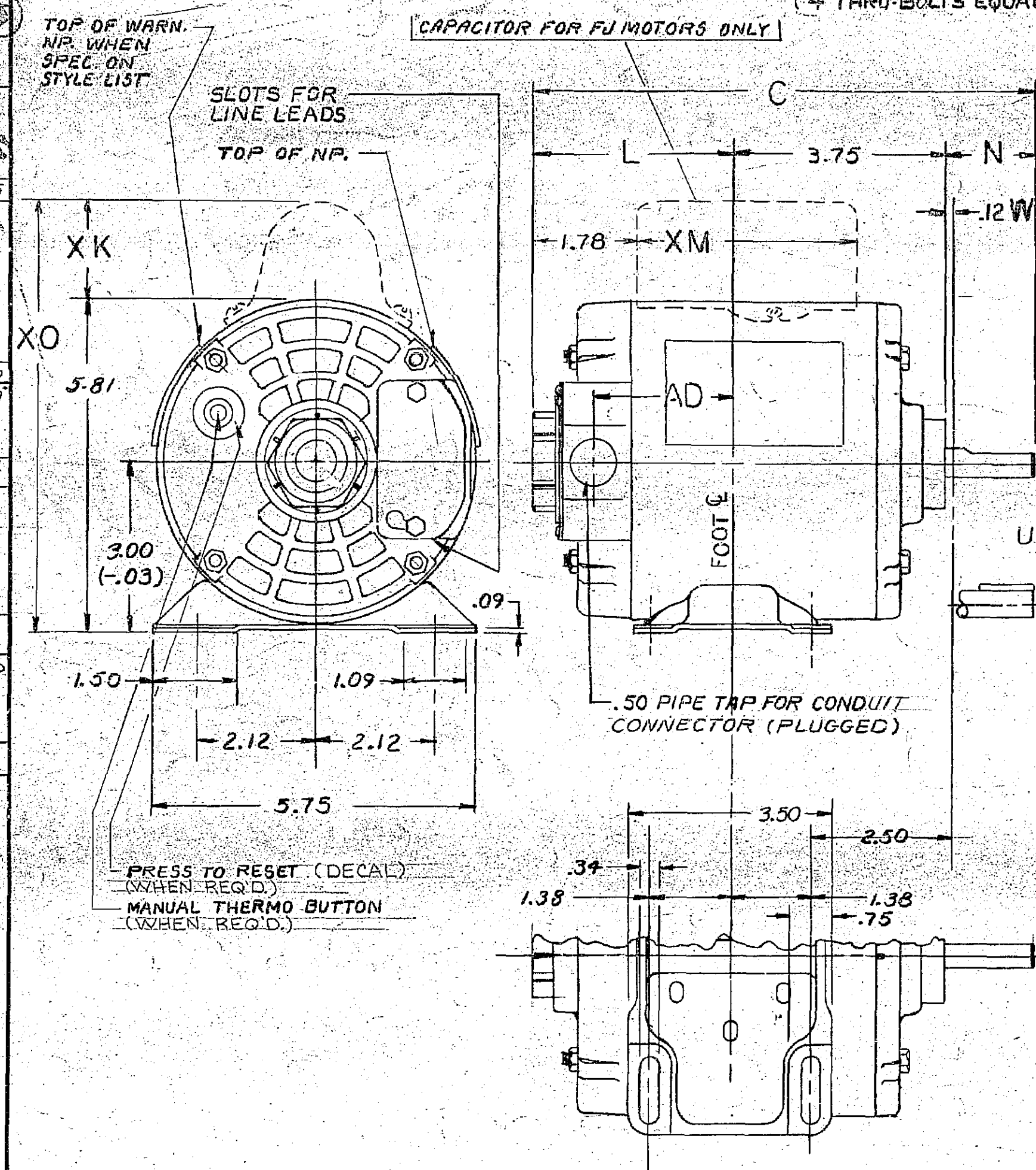


FIG. 1 RIGID MOUNTING

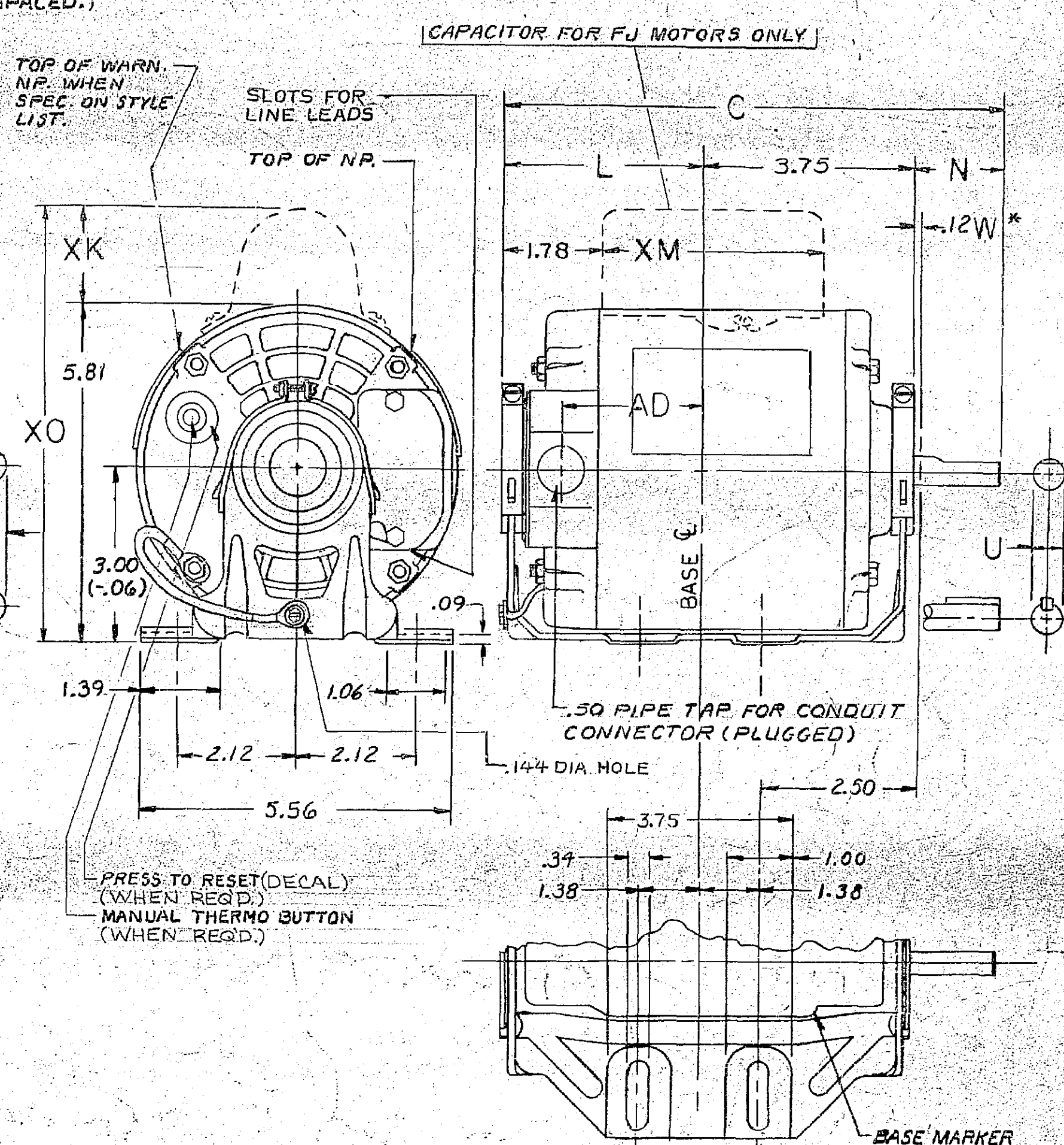


FIG. 2 RESILIENT MOUNTING

FRAME NO.	SHAFT DIA.	U	FLAT OR KEYWAY	WIDTH	DEPTH	LENGTH	C	L	N	N-W	AD	XO	CAP. HSG. DIMS.	XK	XM
48	.50		FLAT	.05	1.12	1.12	8.90	3.53	1.62	1.50	2.47				
A48	.50		FLAT	.05	1.12	1.12	9.15	3.78	1.62	1.50	2.72	7.43	1.62	3.94	
B48	.50		FLAT	.05	1.12	1.12	9.40	4.03	1.62	1.50	2.97	7.81	2.00	3.94	
D48	.50		FLAT	.05	1.12	1.12	9.90	4.53	1.62	1.50	3.47	7.81	2.00	3.94	
F48	.50		FLAT	.05	1.12	1.12	10.40	5.03	1.62	1.50	3.97	7.43	1.62	3.94	
K48	.62	.19	.09	1.38	9.28	3.53	2.00	1.88	2.47						
AK48	.62	.19	.09	1.38	9.53	3.78	2.00	1.88	2.72	7.43	1.62	3.94			
BK48	.62	.19	.09	1.38	9.78	4.03	2.00	1.88	2.97	7.81	2.00	3.94			
DK48	.62	.19	.09	1.38	10.28	4.53	2.00	1.88	3.47	7.81	2.00	3.94			
FK48	.62	.19	.09	1.38	10.78	5.03	2.00	1.88	3.97						

* DIM "W" MAY VARY FROM THAT SHOWN, DUE TO VARIANCE IN CASTINGS & ASSEMBLY OPERATIONS.

▲ USABLE SHAFT EXTENSION

① THESE OVERALL HEIGHT DIM'S & CAPACITOR SIZES ARE THOSE NORMALLY USED ON MOST RATINGS. WHERE INTERFERENCE APPEARS LIKELY, REFER TO LIMA WORKS FOR EXACT CAPACITOR HSG. NO. FOR THE PARTICULAR STYLE INVOLVED.

DIMENSIONS IN INCHES-SCALE		STOCK TOLERANCES UNLESS OTHERWISE SPECIFIED	
DPTH.	10-19-84	3 PLACE DECIMALS ± .005	1 PLACE DECIMALS ± .005
SUP. DPTH.		3 PLACE DECIMALS ± .005	1 PLACE DECIMALS ± .005
ENGR.	11-20-84	MFG. TOLERANCES PER L1-1000	
MFG.	11-21-84		
REF. DWG.	3696668		
Westinghouse		DWG. NO.	
ELECTRIC CORPORATION		3923C03	
LIMA, OHIO, USA			
LIMA MOTOR DIVISIONS			

626987-001

