



December 1975
New Information
E, D, C/1981/DB

Indoor-Outdoor
Altitude 0-10000 feet
3-120 KV

Intermediate Arrester Type IVL

Dimensions, Weights and Creep

These notes apply to all ratings.

1. These arresters are designed for 10,000 feet. Increase "S" and "T" 3% for each 1000 feet over 6000 feet.
2. When installed, exhaust ports should be directed away from adjacent apparatus.
3. Arrester assembly consists of arrester unit, line terminal casting, ground terminal bracket, grading ring (if required), all hardware (excluding base mounting hardware), master nameplate, and line and ground connectors.
4. Arrester assemblies made of more than one unit do not have interchangeable units.
5. Add 14.25 inches to "H" dimension when using an insulating base.
6. Line and ground clamp type connectors suitable for copper or aluminum conductors with diameter of 0.25 to 0.75 inches. Line terminal connectors accommodate conductors with diameter of .255-.681 inches on porcelain top arresters.

Porcelain Top 3-15 KV

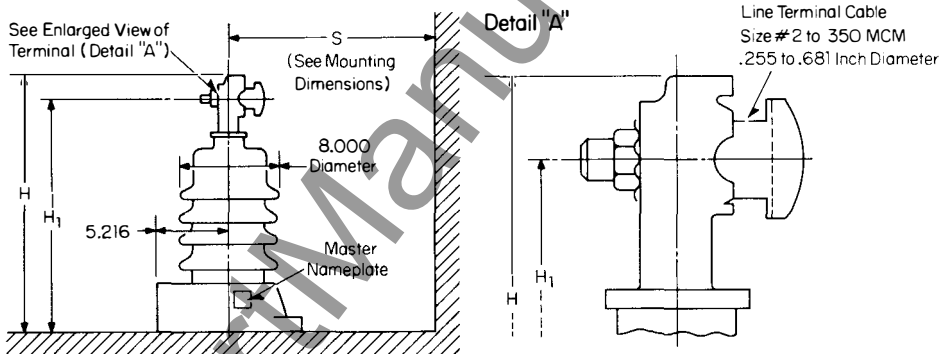


Figure 1 (O.D. 5057A92)

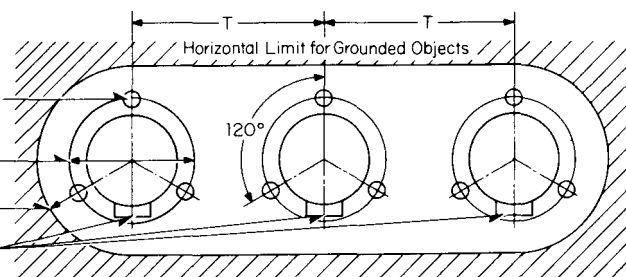
Mounting Dimensions (3 Phase Installation Layout)

Mounting Hole for .500 Diameter Bolts
(Thickness of Lug on Casting .750)

8.750 Diameter Bolt Circle

S-Radius

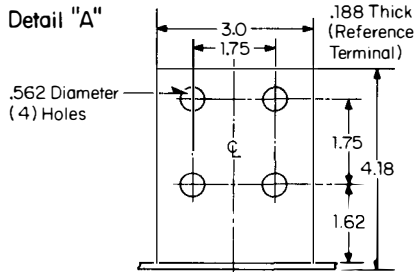
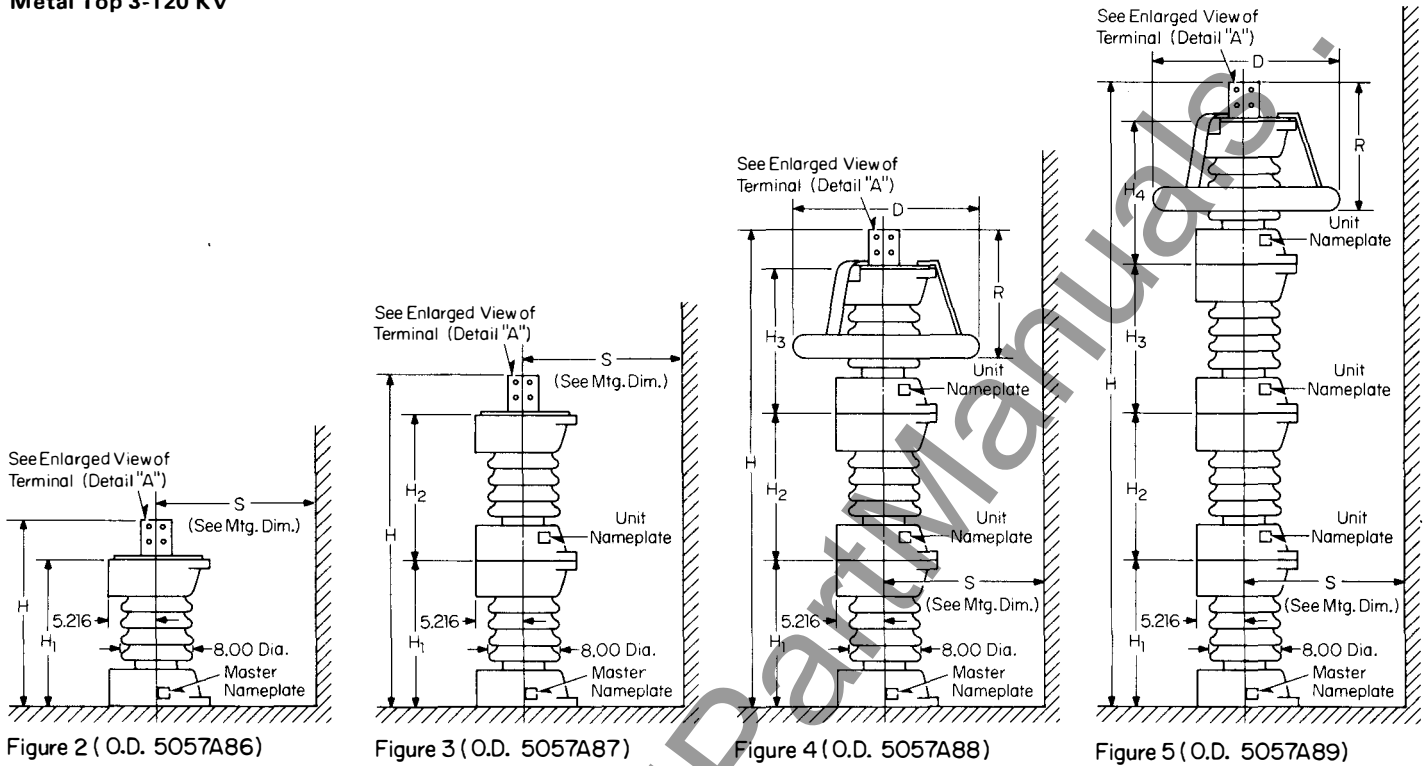
Exhaust Vent Ports



Style	KV Rating	Dimensions (Inches)					Weight	Fig.
		H	H ₁	S	T	Creep		
5554A50A03	3	14.50	13.56	5.5	9.0	12.25	31	1
5554A50A04	4.5	14.50	13.56	5.5	9.0	12.25	32	1
5554A50A06	6	14.50	13.56	5.5	9.0	12.25	32.5	1
5554A50A07	7.5	18.50	17.56	5.5	9.0	17.95	38	1
5554A50A09	9	18.50	17.56	5.5	9.0	17.95	39	1
5554A50A10	10	22.50	21.56	6.0	9.0	25.35	45	1
5554A50A12	12	22.50	21.56	6.5	9.0	25.35	46	1
5554A50A15	15	22.50	21.56	7.0	10.0	25.35	47	1
5554A50A18	18	26.50	25.56	8.0	11.0	32.75	53	1
5554A50A21	21	26.50	25.56	9.0	12.0	32.75	54	1
5554A50A24	24	28.50	27.56	10.0	13.0	36.45	57	1
5554A50A30	30	32.50	31.56	12.0	15.0	43.85	64	1



Metal Top 3-120 KV



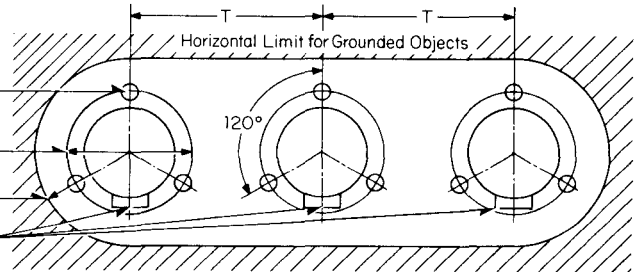
**Mounting Dimensions
(3 Phase Installation Layout)**

Mounting Hole for .500 Diameter Bolts
(Thickness of Lug on Casting .750)

8.750 Diameter Bolt Circle

S-Radius

Exhaust Vent Ports



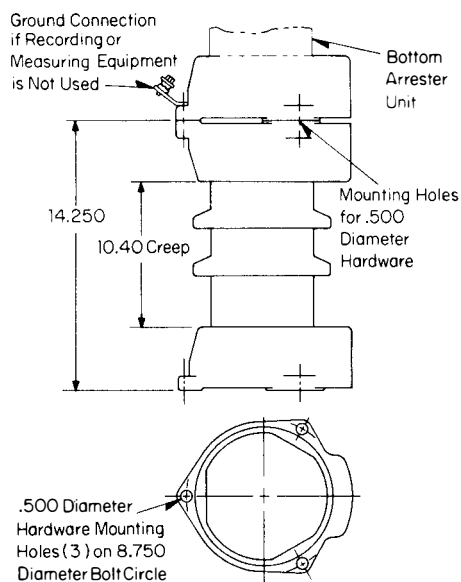
Style	KV Rating	Dimensions (Inches)						D dia	R	S	T	Creep	Weight (lbs.)	Figure
		H	H ₁	H ₂	H ₃	H ₄								
5554A51A03	3	18.44	14.25							7.5	11.5	10.4	43	2
5554A51A04	4.5	18.44	14.25							7.5	11.5	10.4	43.5	2
5554A51A06	6	18.44	14.25							8.5	12.5	10.4	44	2
5554A51A07	7.5	20.69	16.50							8.5	12.5	14.4	48	2
5554A51A09	9	20.69	16.50							9.5	13.5	14.4	49	2
5554A51A10	10	20.69	16.50							9.5	13.5	14.4	49.5	2
5554A51A12	12	20.69	16.50							10.5	14.5	14.4	50	2
5554A51A15	15	21.94	17.75							11.5	15.5	17.3	53	2
5554A51A18	18	27.31	23.12							12.5	16.5	27.8	63	2
5554A51A21	21	27.31	23.12							13.5	17.5	27.8	64	2
5554A51A24	24	28.94	24.75							14.5	18.5	31.1	67	2
5554A51A27	27	32.94	28.75							15.5	19.5	38.5	75	2
5554A51A30	30	32.94	28.75							16.5	20.5	38.5	76	2
5554A51A36	36	37.94	33.75							18.5	22.5	46.9	86	2
5554A51A39	39	41.94	37.75							19.5	23.5	54.3	94	2
5554A51A45	45	52.06	23.12	24.75						20.5	24.5	59.0	127	3
5554A51A48	48	53.69	24.75	24.75						21.5	25.5	62.2	131	3
5554A51A60	60	61.69	28.75	28.75						25.5	29.5	77.0	148	3
5554A51A72	72	71.69	33.75	33.75						29.5	33.5	93.8	168	3
5554A51A78	78	79.69	37.75	37.75						31.5	35.5	108.6	183	3
5554A51A84	84	86.44	24.75	28.75	28.75		30.00	16.00	43.0	58.0	108.1	233	4	
5554A51A90	90	90.44	28.75	28.75	28.75		30.00	16.00	45.0	60.0	115.5	241	4	
5554A51A96	96	95.44	28.75	28.75	33.75		30.00	16.00	47.0	62.0	123.9	251	4	
5554A51A98	108	105.44	33.75	33.75	33.75		30.00	16.00	51.0	66.0	140.7	272	4	
5554A51A99	120	119.19	28.75	28.75	28.75	28.75	30.00	16.00	55.0	70.0	154.0	314	5	



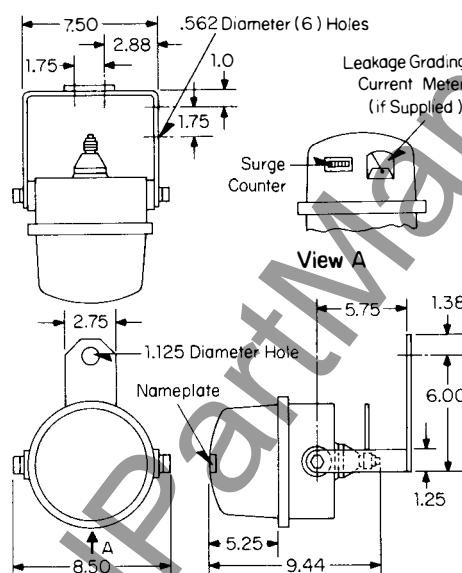
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3-120 KV

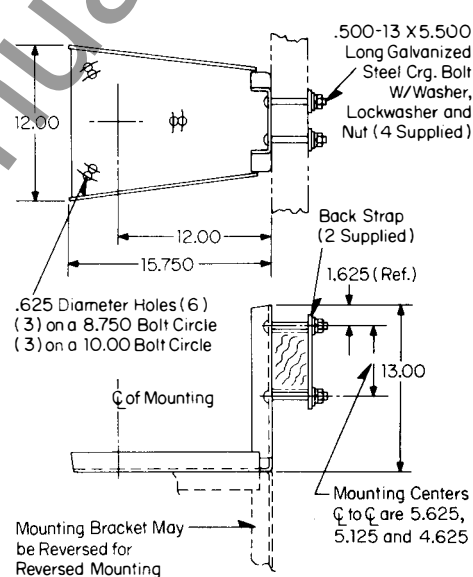
Intermediate Arrester Type IVL



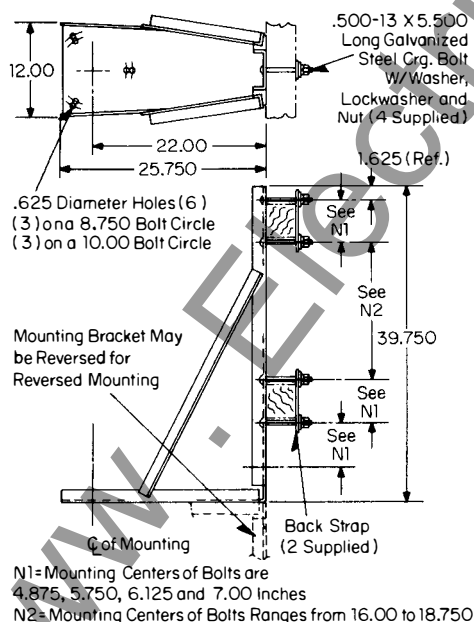
S # 5559A77A01 O.D. 5559A82
Figure 6
Insulating Unit
(3-120 KV)



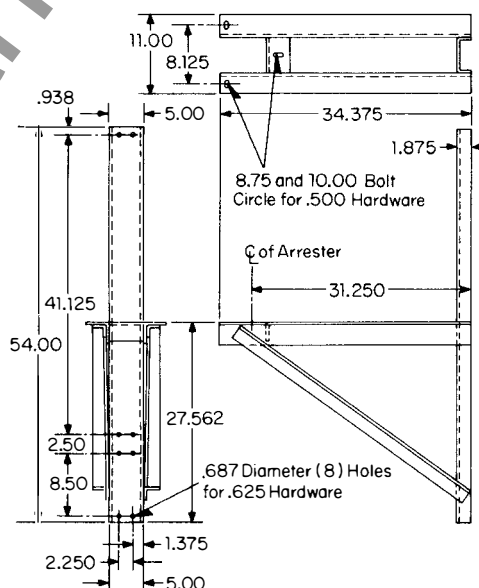
S # 633A700A01 w/o Leakage
Current Indicator O.D. 3865A30
S # 633A797A01 with Leakage
Current Indicator O.D. 3865A25
Figure 7
Discharge Counters
(3-120 KV)



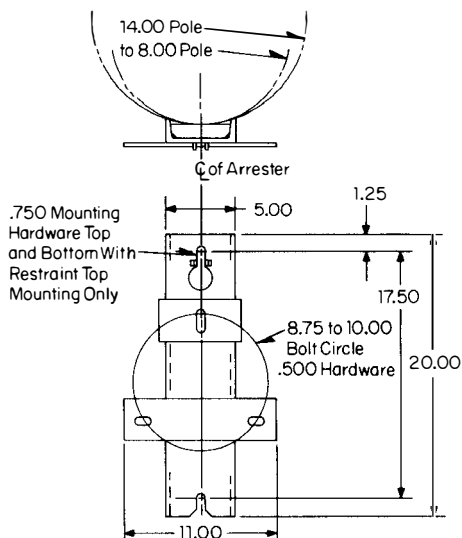
S # 279C251A08 O.D. 6463A09
Figure 8
Single Crossarm
Reversible Bracket
(3-36 KV)



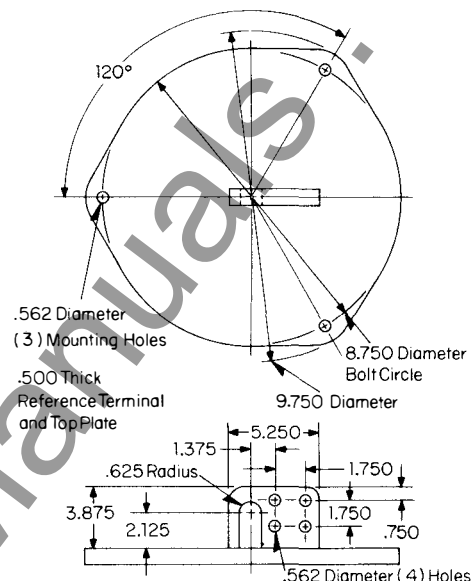
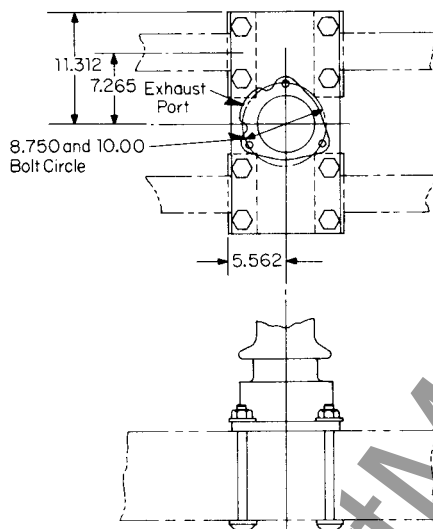
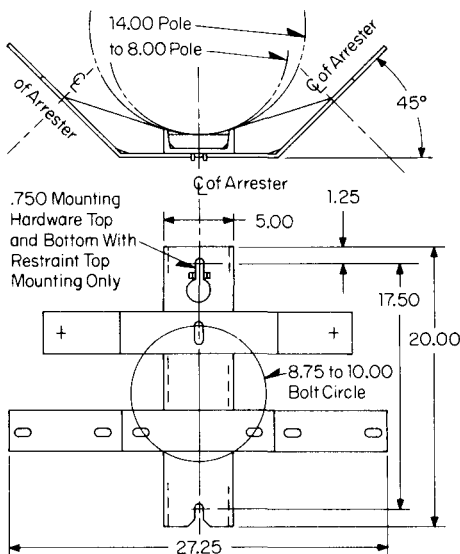
S # 279C251A07 O.D. 6463A08
Figure 9
Double Crossarm,
Reversible Mounting Bracket
(3-72KV)



S # 279C251A10 O.D. 6463A11
Figure 10
Wall Mounting Bracket
(3-72 KV)



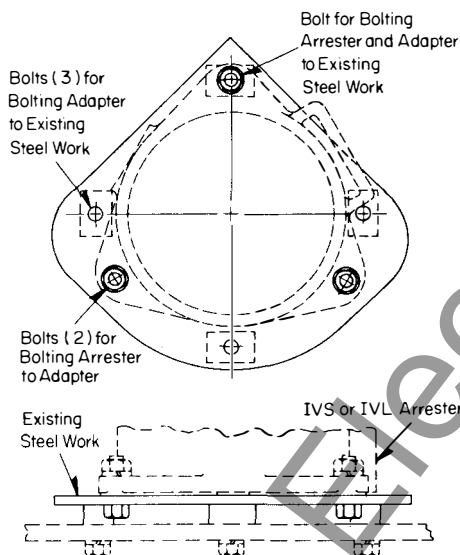
S # 279C251A01 O.D. 5572A79
Figure 11
Pole Mounting
Bracket: Single Arrester
Horizontal Mounting
(3-36 KV)



S#279C251A02 O.D. 5572A78
Figure 12
Pole Mounting
Bracket: Three Arresters
Horizontal Mounting
(3-36 KV)

S#279C251A09 O.D. 6463A10
Figure 13
Baseplate:
Double Crossarm
or Platform Mounting
(3-72KV)

S#634A825A01 O.D. 5570A06
Figure 14
Cover Adapter Plate:
Suspension Mounting
(3-120 KV)



S#55B4538G02 O.D. 162A378
Figure 15
Adapter Plate for
Mounting IVS or IVL
Arrester on Four Bolt
Hole, 8 1/16 inch Diameter
Bolt Circle
(3-120 KV)

Further Information
38-210 PWEA
38-211 DWEA
38-216 TWEA