

PRELIMINARY DATASHEET



Features :

- Fast discharge resistors
- DRY type
- Over pressure disconnection system (Only above 10KVAR)
- Internal fuse for protection
- Polyurethane self-extinguishing resin V0, developed under standard UL94
- Indoor type

Certifications :

Input specifications

Voltage	440, 480, 525 V
Over voltage (HD)	1.10 x Un (8 h/day) 1.15 x Un (30 min/day) 1.20 x Un (5 min/day) 1.30 x Un (1 min/day)
Over current	1.6 x In (HD)
Discharge resistance	Incorporated
Frequency	50 Hz
Max %THD in voltage	2
Max %THD in current	25
Capacitor tolerance	-5% + 10%

Connection

Type	Delta
Discharge resistance	Incorporated

Protection

Voltage test between terminal	2.15 x Un 10s
Voltage test between terminal & case	5kV AC for 1 min
Inrush current	up to 200 x In (HD)
Internal fuses	Yes
IP rating	IP 20

Losses

Dielectric losses	≤ 0.2 W/KVAr
Total losses	≤ 0.45 W/KVAr*

* Without resistors

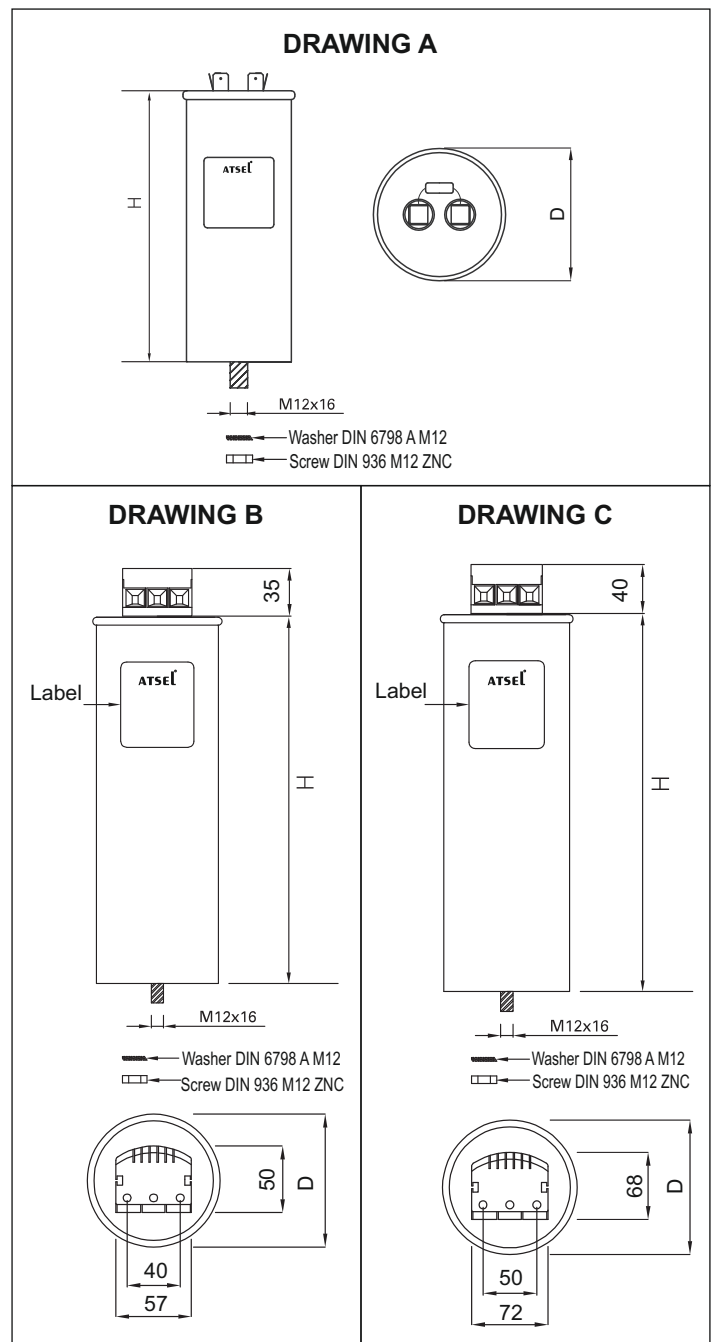
Enviornmental conditions

Humidity	Max. 95%
Temperature	-20°C to +55°C
Altitude	Max 4000 m.a.s.l

Installation

Mounting position	Universal
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Dimensions (All are in mm)



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Dimensions	Connection terminal	DRAWING
D x H (mm ²)	Max. cable section 1 kV-RV (mm ²)	
60x200	FASTRON	DRAWING A
70x260	10	DRAWING B
75x240	10	
85x260	10	
100x260	10	
120x265	35	DRAWING C
136x265	35	
136x345	35	

* H tolerance : ± 2%

Temperature (IEC 60831- 1/2)

Symbol	Ambient temperature °C		
	Maximum	Highest mean over any period of	
		24hr	1 year
A	40	30	20
B	45	35	25
C	50	40	30
D	55	45	35

Ordering Information : Heavy Duty Capacitor Banks

Product Code	Description	Power	Voltage	Frequency	Current	Capacitance	Dimensions
		kVAr	V	Hz	A	µF	mm
HDCAP 60x200 01 440	HD 1.0KVAR 440V 50HZ	1	440	50	1.31	3 x 5.48	60 x 200
HDCAP 60x200 2.5 440	HD 2.5KVAR 440V 50HZ	2.5	440	50	3.28	3 x 13.70	60 x 200
HDCAP 70x260 05 440	HD 5.00KVAR, 440V, 50HZ	5	440	50	6.56	3 x 27.40	70 x 260
HDCAP 70x260 7.5 440	HD 7.50KVAR, 440V, 50HZ	7.5	440	50	9.84	3 x 41.10	70 x 260
HDCAP-75x240-7.5-440	HD 7.50KVAR, 440V, 50HZ	7.5	440	50	9.84	3 x 41.10	75 x 240
HDCAP-70x260-10-440-CE	HD 10.0KVAR, 440V, 50HZ	10	440	50	13.12	3 x 54.81	70 x 260
HDCAP-85x260-12.5-440-CE	HD 12.5KVAR, 440V, 50HZ	12.5	440	50	16.4	3 x 68.51	85 x 260
HDCAP-85x260-15-440-CE	HD 15.0KVAR, 440V, 50HZ	15	440	50	19.68	3 x 82.21	85 x 260
HDCAP-100x260-20-440-CE	HD 20.0KVAR, 440V, 50HZ	20	440	50	26.24	3 x 109.61	100 x 260
HDCAP-120x265-25-440-CE	HD 25.0KVAR, 440V, 50HZ	25	440	50	32.8	3 x 137.01	120 x 265
HDCAP-120x265-30-440-CE	HD 30.0KVAR, 440V, 50HZ	30	440	50	39.36	3 x 164.42	120 x 265
HDCAP-136x265-40-440-CE	HD 40.0KVAR, 440V, 50HZ	40	440	50	45.93	3 x 191.82	136 x 265
HDCAP-136x345-50-440-CE	HD 50.0KVAR, 440V, 50HZ	50	440	50	65.61	3 x 274.03	136 x 345
HDCAP 60x200 01 480	HD 1.0KVAR 480V 50HZ	1	480	50	1.26	3 x 5.01	60 x 200
HDCAP 60x200 2.5 480	HD 2.5KVAR 480V 50HZ	2.5	480	50	3.14	3 x 12.54	60 x 200
HDCAP 60x200 05 480	HD 5.0KVAR, 480V, 50HZ	5	480	50	6.28	3 x 25.07	60 x 200
HDCAP 70x260 7.5 480	HD 7.5KVAR, 480V, 50HZ	7.5	480	50	9.02	3 x 34.54	60 x 200
HDCAP-85x260-10-480-CE	HD 10.0KVAR, 480V, 50HZ	10	480	50	12.03	3 x 46.05	85 x 260
HDCAP-100x260-12.5-480-CE	HD 12.5KVAR, 480V, 50HZ	12.5	480	50	15.04	3 x 57.56	100 x 260
HDCAP-100x260-15-480-CE	HD 15.0KVAR, 480V, 50HZ	15	480	50	18.04	3 x 69.08	100 x 260
HDCAP-120x265-20-480-CE	HD 20.0KVAR, 480V, 50HZ	20	480	50	24.06	3 x 92.10	120 x 265
HDCAP-120x265-25-480-CE	HD 25.0KVAR, 480V, 50HZ	25	480	50	30.07	3 x 115.13	120 x 265
HDCAP-136x265-30-480-CE	HD 30.0KVAR, 480V, 50HZ	30	480	50	36.08	3 x 138.16	136 x 265
HDCAP-136x345-40-480-CE	HD 40.0KVAR, 480V, 50HZ	40	480	50	48.11	3x184.21	136 x 345
HDCAP-136x345-50-480-CE	HD 50.0KVAR, 480V, 50HZ	50	480	50	60.14	3 x 230.26	136 x 345
HDCAP 60x200 01 525	HD 1.0KVAR 525V 50HZ	1	525	50	1.1	3 x 3.85	60 x 200
HDCAP 60x200 2.5 525	HD 2.5KVAR 525V 50HZ	2.5	525	50	2.75	3 x 9.62	60 x 200
HDCAP 60x200 5 525	HD 5.00KVAR, 525V, 50HZ	5	525	50	5.5	3 x 19.25	60 x 200
HDCAP 70x260 7.5 525	HD 7.50KVAR, 525V, 50HZ	7.5	525	50	8.25	3 x 28.87	70 x 260
HDCAP-85x260-10-525-CE	HD 10.0KVAR, 525V, 50HZ	10	525	50	11	3 x 38.50	85 x 260
HDCAP-85x260-12.5-525-CE	HD 12.5KVAR, 525V, 50HZ	12.5	525	50	13.75	3 x 48.12	85 x 260
HDCAP-100x260-15-525-CE	HD 15.0KVAR, 525V, 50HZ	15	525	50	16.5	3 x 57.74	100 x 260
HDCAP-120x265-20-525-CE	HD 20.0KVAR, 525V, 50HZ	20	525	50	21.99	3 x 76.99	120 x 265
HDCAP-120x265-25-525-CE	HD 25.0KVAR, 525V, 50HZ	25	525	50	27.49	3 x 96.24	120 x 265
HDCAP-136x265-30-525-CE	HD 30.0KVAR, 525V, 50HZ	30	525	50	32.99	3 x 115.49	136 x 265
HDCAP-136x345-40-525-CE	HD 40.0KVAR 525V 50HZ	40	525	50	43.99	3 x 153.98	136 x 345
HDCAP-136x345-50-525-CE	HD 50.0KVAR 525V 50HZ	50	525	50	54.99	3 x 192.48	136 x 345

Nomenclature:

Product	Size in mm	Cap in kVAr	Volt
HDCAP	60x200	1	440

NOTE:-

HD : Heavy duty
All size in mm : Dia x HT