



Features :

- Cylindrical - Gas filled MPP Capacitor.
- Metallized Polypropylene / Wavy cut film design.
- Compact cylindrical aluminum can design.
- Gas impregnation gives cooling effect.
- Better heat dissipation.
- Explosion proof design (over-pressure disconnecter).
- Low losses due to advanced winding and spray equipments.
- Finger touch proof terminal connectors (Scope to parallel connection).

Applications :

- Fixed P.F. correction.
- Automatic P.F. correction.
- Harmonic filter system.
- Wind mills.



Technical Data :

STANDARDS	IS 13340-1/2, IEC 60831-1/2
RATED VOLTAGE (U _N)	400...525 VOLT
RATED FREQUENCY	50/60 Hz
OVER VOLTAGE	U _N + 10% 12 hours in every 24 h U _N + 15% 30 min. in every 24 h U _N + 20% 5 min. in every 24 h U _N + 30% 1 min. in every 24 h
OVER CURRENT	2.2 * I _N
CAPACITANCE TOLERANCE	-5 to +10% As per standards
TEST VOLTAGE, TERMINAL	2.15 * U _N , AC 2S
TEST VOLTAGE, TERMINAL & CASE	2 * U _N + 2 kV or 3 kVac whichever is higher for 10S or 20% higher for 2S
INRUSH CURRENT	Up to 400 * I _N
LOSSES	<0.20 W/kVAr (Dielectric), <0.45 W/kVAr (Total)
CASING	Cylindrical Aluminium Can
ENCLOSURE	IP20, on request IP54, Outdoor mounting
MEAN LIFE EXPECTANCY	1,80,000 h
TEMPERATURE CLASS	-40/55°C
COOLING	Natural air cooled Casing temp. max 60°C permitted on top of the can
DIELECTRIC SYSTEM	Metallized polypropylene film, Self-healing property
IMPREGNATION	Inert Gas, Nitrogen (N ₂)
SAFETY FEATURES	Overpressure sensitive 3 phase disconnecter
ALTITUDE	Max. 4000 Meter above sea level
RELATIVE HUMIDITY	Max. 95%
MOUNTING POSITION.	Random
MOUNTING & EARTHING	M12X16mm threaded stud on bottom of case with Nut & Washer
DISCHARGE DEVICE	External 3 Minutes, 75V
TERMINALS	i) G-VAR Cap - with M5 Screw on double three way terminals ii) G-VAR BT Cap - with M-10 threaded Stud

Note : U_N - RMS Voltage at fundamental frequency without harmonics.
I_N - Rated RMS current (line) at rated voltage and frequency without transients.

G-VAR

G-VAR Series - Heavy Duty - 400 Volts - 50 Hz - 3 Ph - Delta Connection					
Product Code	Output kVAr	Capacitance (in Mfd)	Current (in Amp)	Dimensions D*H (in mm)	Drawing No.
FT-H050-G0400-S1R3	5.0	3*33.17	7.22	75 * 196	C-5
FT-H075-G0400-S1R3	7.5	3*49.76	10.83	75 * 196	C-5
FT-H100-G0400-S1R3	10.0	3*66.35	14.43	90 * 203	C-5
FT-H125-G0400-S1R3	12.5	3*82.94	18.04	90 * 203	C-5
FT-H150-G0400-S1R3	15.0	3*99.52	21.65	90 * 243	C-5
FT-H200-G0400-S1R3	20.0	3*132.70	28.87	116 * 243	C-5
FT-H250-G0400-S1R3	25.0	3*165.87	36.09	116 * 243	C-5
FT-H300-G0400-S1R3	30.0	3*199.04	43.30	116 * 283	C-5
BT-H400-G0400-S1R3	40.0	3*265.39	57.74	136 * 346	C-6
BT-H500-G0400-S1R3	50.0	3*331.74	72.17	136 * 346	C-6

G-VAR Series - Heavy Duty - 415 Volts - 50 Hz - 3 Ph - Delta Connection					
Product Code	Output kVAr	Capacitance (in Mfd)	Current (in Amp)	Dimensions D*H (in mm)	Drawing No.
FT-H050-G0415-S1R3	5.0	3*30.82	6.96	75 * 196	C-5
FT-H075-G0415-S1R3	7.5	3*46.23	10.43	75 * 196	C-5
FT-H100-G0415-S1R3	10.0	3*61.64	13.91	90 * 203	C-5
FT-H125-G0415-S1R3	12.5	3*77.05	17.39	90 * 243	C-5
FT-H150-G0415-S1R3	15.0	3*92.46	20.87	90 * 243	C-5
FT-H200-G0415-S1R3	20.0	3*123.28	27.82	116 * 243	C-5
FT-H250-G0415-S1R3	25.0	3*154.10	34.78	116 * 283	C-5
BT-H400-G0415-S1R3	40.0	3*246.55	55.65	136 * 346	C-6

G-VAR Series - Heavy Duty - 440 Volts - 50 Hz - 3 Ph - Delta Connection					
Product Code	Output kVAr	Capacitance (in Mfd)	Current (in Amp)	Dimensions D*H (in mm)	Drawing No.
FT-H050-G0440-S1R3	5.0	3*27.42	6.56	75 * 196	C-5
FT-H075-G0440-S1R3	7.5	3*41.12	9.84	90 * 203	C-5
FT-H100-G0440-S1R3	10.0	3*54.83	13.12	90 * 203	C-5
FT-H125-G0440-S1R3	12.5	3*68.54	16.40	90 * 243	C-5
FT-H150-G0440-S1R3	15.0	3*82.25	19.68	116 * 243	C-5
FT-H200-G0440-S1R3	20.0	3*109.67	26.24	116 * 243	C-5
FT-H250-G0440-S1R3	25.0	3*137.08	32.80	116 * 283	C-5
FT-H300-G0440-S1R3	30.0	3*164.50	39.37	136 * 343	C-5
BT-H400-G0440-S1R3	40.0	3*219.33	52.49	136 * 346	C-6

G-VAR Series - Heavy Duty - 480 Volts - 50 Hz - 3 Ph - Delta Connection					
Product Code	Output kVAr	Capacitance (in Mfd)	Current (in Amp)	Dimensions D*H (in mm)	Drawing No.
FT-H050-G0480-S1R3	5.0	3*23.04	6.01	75 * 196	C-5
FT-H075-G0480-S1R3	7.5	3*34.56	9.02	75 * 196	C-5
FT-H100-G0480-S1R3	10.0	3*46.08	12.03	90 * 203	C-5
FT-H125-G0480-S1R3	12.5	3*57.59	15.04	90 * 243	C-5
FT-H150-G0480-S1R3	15.0	3*69.11	18.04	90 * 243	C-5
FT-H200-G0480-S1R3	20.0	3*92.15	24.06	116 * 243	C-5
FT-H250-G0480-S1R3	25.0	3*115.19	30.07	116 * 243	C-5
FT-H300-G0480-S1R3	30.0	3*138.23	36.09	116 * 283	C-5
BT-H400-G0480-S1R3	40.0	3*184.30	48.11	136 * 346	C-6
BT-H500-G0480-S1R3	50.0	3*230.38	60.14	136 * 346	C-6

G-VAR Series - Heavy Duty - 525 Volts - 50 Hz - 3 Ph - Delta Connection					
Product Code	Output kVAr	Capacitance (in Mfd)	Current (in Amp)	Dimensions D*H (in mm)	Drawing No.
FT-H050-G0525-S1R3	5.0	3*19.26	5.50	75 * 196	C-5
FT-H075-G0525-S1R3	7.5	3*28.89	8.25	75 * 196	C-5
FT-H100-G0525-S1R3	10.0	3*38.52	11.00	90 * 203	C-5
FT-H125-G0525-S1R3	12.5	3*48.14	13.75	90 * 203	C-5
FT-H150-G0525-S1R3	15.0	3*57.77	16.50	90 * 243	C-5
FT-H200-G0525-S1R3	20.0	3*77.03	21.99	116 * 243	C-5
FT-H250-G0525-S1R3	25.0	3*96.29	27.49	116 * 243	C-5
FT-H300-G0525-S1R3	30.0	3*115.55	32.99	116 * 243	C-5
BT-H400-G0525-S1R3	40.0	3*154.06	43.99	136 * 346	C-6
BT-H500-G0525-S1R3	50.0	3*192.58	54.99	136 * 346	C-6

G-VAR Series - Turbine Cap Heavy Duty - 690 Volts - 50 Hz - 3 Ph - Delta Connection					
Product Code	Output kVAr	Capacitance (in Mfd)	Current (in Amp)	Dimensions D*H (in mm)	Drawing No.
TC-H125-G0690-S1R3	12.5	3*27.87	10.46	90 * 243	C-5
TC-H150-G0690-S1R3	15.0	3*33.45	12.55	90 * 243	C-5
TC-H200-G0690-S1R3	20.0	3*44.59	16.74	116 * 243	C-5
TC-H250-G0690-S1R3	25.0	3*55.74	20.92	116 * 243	C-5

Dimension - Reference Drawings

