



خازن های گازی (G-VAR)

ویژگی ها

- طراحی شده با فیلم پلی پروپیلن و گاز.
- با ترمینال های موازی و محافظ تماس دست.
- تلفات کم به علت استفاده از بوبین های پیشرفته.
- و ترکیبات اسپری شده روی فیلم ها.
- طراحی یکپارچه آلومینیومی.
- خنک کنندگی بهتر به علت وجود گاز.
- پر شده از گاز N2

کاربردها

- اصلاح ضریب قدرت بصورت ثابت.
- اصلاح ضریب قدرت بصورت اتوماتیک.
- قابل استفاده با فیلتر هارمونیک.
- قابل استفاده در مناطق مرطوب.

Technical Data	HD-VAR	UXDH
Standards	IS 13340-1/2, IEC 60831-1/2	IS 13340-1/2, IEC 60831-1/2
Rated Voltage (UN)	440 VOLT - 525 VOLT	440 VOLT - 525 VOLT
Rated Frequency	50/60 Hz	50/60 Hz
Over Voltage	"UN + 10% 12 hours in every 24 h UN + 15% 30 minuts in every 24 h UN + 20% 5 minuts in every 24 h UN + 30% 1 minut in every 24 h"	"UN + 10% 12 hours in every 24 h UN + 15% 30 minuts in every 24 h UN + 20% 5 minuts in every 24 h UN + 30% 1 minut in every 24 h"
Over Current	2.2* IN	3.5* IN
Capacitance Tolerance	-5 to + 10% As per standards	-5 to + 10% As per standards
Test Voltage - Terminal	2.15 * UN, AC 2S	2.15 * UN, AC 2S
Test Voltage - Terminal & Case	2*UN * 2 kVac whichever is higher for 10S or 20% higher for 2S	2*UN * 2 kVac whichever is higher for 10S or 20% higher for 2S
Inrush Current	up to 400 IN	up to 500 IN
Losses	"<0.20 W/kVAR (Dielectric) <0.5 W/kVAR (Total)"	"<0.20 W/kVAR (Dielectric) <0.5 W/kVAR (Total)"
Casing	Cylindrical Aluminum Can	Cylindrical Aluminum Can
Enclosure	IP20	IP20
Mean Life Expectancy	1,80,000 h	2,10,000 h
Temperature Class	-40/55°C	-40/55°C
Cooling	"Natural air cooled Casing Temp. max 80°C permitted on top of the can"	"Natural air cooled Casing Temp. max 80°C permitted on top of the can"
Dielectric System	Metallized polypropylene film, Self-Healing property	Metallized polypropylene film, Self-Healing property
Impregnation	NPCB, Biogradable natural semi soft resin	NPCB, Biogradable natural semi soft resin
Safety Features	Overpressure sensitive 3 Phase disconnecter	Overpressure sensitive 3 Phase disconnecter
Altitude	Max. 2000 Meter above sea level	Max. 2000 Meter above sea level
Relative Humidity	Max. 95%	Max. 95%
Mounting Position	Vertical	Vertical
Mounting Earthing	M8*10mm, M12*16mm threaded stud, on bottom of case with Nut & Washer	M8*10mm, M12*16mm threaded stud, on bottom of case with Nut & Washer
Discharge Resistors	Extreme 3 minutes, 75V	Extreme 3 minutes, 75V
Terminals	"- ND-VAR AW - with M5 Screw on double three way terminals - KND-VAR - With M-10 threaded Stud"	- UXDH - with M5 Screw on double three way terminals



G-VAR

G-VAR Series - Heavy Duty - 400 Volts - 50 Hz - 3ph - Delta Connention

Product Code	Output kVAR	Capcitanace (in µf)	Current (in Amp)	Dimensions D*H (in mm)	Drawing No.
FT-H050-G400-S1R3	5/0	33.17*3	7/22	196*75	C-5
FT-H075-G400-S1R3	7/5	49.76*3	10/83	196*75	C-5
FT-H100-G400-S1R3	10/0	66.35*3	14/43	203*90	C-5
FT-H125-G400-S1R3	12/5	82.94*3	18/04	243*90	C-5
FT-H150-G400-S1R3	15/0	99.52*3	21/65	243*90	C-5
FT-H200-G400-S1R3	20/0	132.70*3	28/87	243*116	C-5
FT-H250-G400-S1R3	25/0	165.87*3	36/09	243*116	C-5
FT-H300-G400-S1R3	30/0	199.04*3	43/30	283*116	C-5
BT-H400-G400-S1R3	40/0	3*265.39	57/74	136*346	C-6
BT-H500-G400-S1R3	50/0	331.74*3	72/17	346*136	C-6

G-VAR Series - Heavy Duty - 415 Volts - 50 Hz - 3Ph - Delta Connention

FT-H050-G415-S1R3	5/0	30.82*3	6/96	196*75	C-5
FT-H075-G415-S1R3	7/5	46.23*3	10/43	196*75	C-5
FT-H100-G415-S1R3	10/0	61.64*3	13/91	203*90	C-5
FT-H125-G415-S1R3	12/5	77.05*3	17/39	243*90	C-5
FT-H150-G415-S1R3	15/0	92.46*3	20/87	243*90	C-5
FT-H200-G415-S1R3	20/0	123.28*3	27/82	243*116	C-5
FT-H250-G415-S1R3	25/0	154.10*3	34/78	243*116	C-5
BT-H400-G415-S1R3	40/0	246.55*3	55/65	346*136	C-6

G-VAR Series - Heavy Duty - 440 Volts - 50 Hz - 3Ph - Delta Connention

FT-H050-G440-S1R3	5/0	27.42*3	6/56	196*75	C-5
FT-H075-G440-S1R3	7/5	41.12*3	9/84	196*75	C-5
FT-H100-G440-S1R3	10/0	54.83*3	13/12	203*90	C-5
FT-H125-G440-S1R3	12/5	68.54*3	16/40	243*90	C-5
FT-H150-G440-S1R3	15/0	82.25*3	19/68	243*90	C-5
FT-H200-G440-S1R3	20/0	109.67*3	26/24	243*116	C-5
FT-H250-G440-S1R3	25/0	137.08*3	32/80	243*116	C-5
FT-H300-G440-S1R3	30/0	164.50*3	39/37	283*116	C-5
BT-H400-G440-S1R3	40/0	219.33*3	52/49	346*136	C-6
BT-H500-G440-S1R3	50/0	277.17*3	65/61	346*136	C-6

G-VAR Series - Heavy Duty - 480 Volts - 50 Hz - 3Ph - Delta Connention

FT-H050-G480-S1R3	5/0	23.04*3	6/01	196*75	C-5
FT-H075-G480-S1R3	7/5	34.56*3	9/02	196*75	C-5
FT-H100-G480-S1R3	10/0	46.08*3	12/03	203*90	C-5
FT-H125-G480-S1R3	12/5	57.59*3	15/04	243*90	C-5
FT-H150-G480-S1R3	15/0	69.11*3	18/04	243*90	C-5
FT-H200-G480-S1R3	20/0	92.15*3	24/06	243*116	C-5
FT-H250-G480-S1R3	25/0	115.19*3	30/07	243*116	C-5
FT-H300-G480-S1R3	30/0	138.23*3	36/09	283*116	C-5
BT-H400-G480-S1R3	40/0	184.30*3	48/11	346*136	C-6
BT-H500-G480-S1R3	50/0	230.38*3	60/14	346*136	C-6

G-VAR Series - Heavy Duty - 525 Volts - 50 Hz - 3Ph - Delta Connention

FT-H050-G525-S1R3	5/0	19.26*3	5/50	196*75	C-5
FT-H075-G525-S1R3	7/5	28.89*3	8/25	196*75	C-5
FT-H100-G525-S1R3	10/0	38.52*3	11/00	203*90	C-5
FT-H125-G525-S1R3	12/5	48.14*3	13/75	243*90	C-5
FT-H150-G525-S1R3	15/0	57.77*3	16/50	243*90	C-5
FT-H200-G525-S1R3	20/0	77.03*3	21/99	243*116	C-5
FT-H250-G525-S1R3	25/0	96.29*3	27/49	243*116	C-5
FT-H300-G525-S1R3	30/0	115.55*3	32/99	283*116	C-5
BT-H400-G525-S1R3	40/0	154.06*3	43/99	346*136	C-6
BT-H500-G525-S1R3	50/0	192.58*3	54/99	346*136	C-6

G-VAR Series - Turbin Cap Heavy Duty - 690 Volts - 50 Hz - 3Ph - Delta Connention

TC-H125-G525-S1R3	12/5	27.87*3	10/46	243*90	C-5
TC-H150-G525-S1R3	15/0	33.45*3	12/55	243*90	C-5
TC-H200-G525-S1R3	20/0	44.59*3	16/74	243*116	C-5
TC-H250-G525-S1R3	25/0	55.74*3	20/92	243*116	C-5