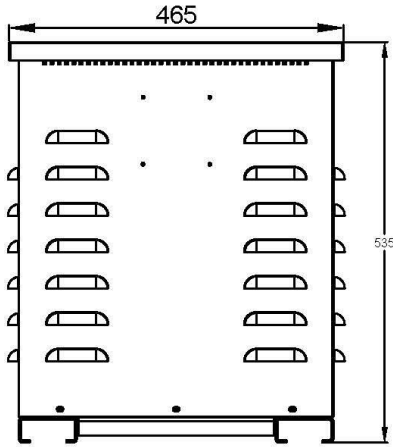


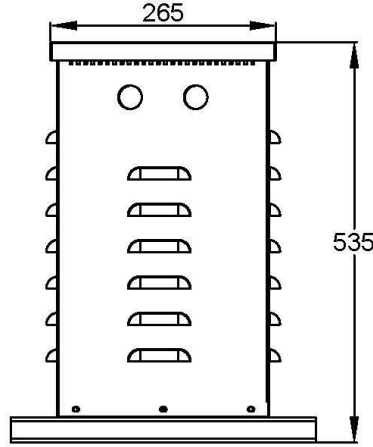
TECHNICAL SPECIFICATIONS				
Manufacturer		FAT Industrial Systems		
Brand Name		Power Smart Trading Company		
Model. No		PS-AT-TPA-20KVA		
Country of Origin		Kingdom of Saudi Arabia		
General Data				
Type		Dry Type		
Product		Auto Transformer (Single Winding)		
Type of Cooling (AN/AF)		AN (Air Natural)		
Construction Standards		SASO / IEC 60076 & IEC 61558-1 & IEC 61558-2-13		
Electrical specifications				
Rated Power in kVA		20 KVA		
No of Phases		3Ø		
Rated Frequency in Hz		60 Hz, +/- 3 %		
Voltages		220-380-480- V		
I/P – O/P		380-480V	480-220V	220-380V
Capacity		20KVA	14KVA	16KVA
Intensity(A)		30.3A-24A	16.8A-36.7A	41.9A-24.3A
KW Fuse gG (A)	COSØ=1.0	20	14	16
	COSØ=0.8	16	11.2	12.8
	COSØ=0.6	12	8.4	9.6
Unload Intensity		650mA (220V AC)		
Isolation Voltage		2300 V		
Isolation Class		T40/F		
Protection Class		I		
Vector Group		Yn-0		
Environmental Conditions				
Place of installation		Indoor		
Type of Mounting		Floor Mounting		
Ambient Temperature		40 ° C		
Intermittent Duty Cycle		30*/30* (min)		
Construction				
Degree of Protection		IP 23		
Dimension (L*W*H) in mm		Aprx. 465 X 265 X 535 MM (+/- 10 % tolerance)		
Weight in Kg		Aprx. 60 Kg		
Enclosure Colour		RAL 7035		
Winding Material		Class H – 220 Enamelled Aluminium Wire		

WARNING: There may be a 10% over or under voltage in the supply so, rated output of the transformer shall be selected accordingly. (EN - 61558-1/8.14)

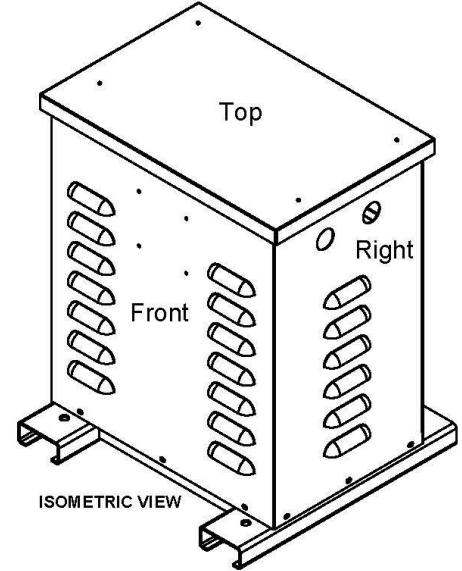
GA Drawings



FRONT VIEW



SIDE VIEW



ISOMETRIC VIEW

!!DANGER!!**HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices.
- This equipment must be installed and serviced only by qualified electrical personnel.
- Perform such work only after reading and understanding all the instructions contained in this bulletin.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Before performing visual inspections, tests, or maintenance on this equipment, disconnect all sources of electric power. Assume all circuits are live until they are completely de-energized, tested, and tagged. Pay particular attention to the design of the power system. Consider all sources of power, including the possibility of back feeding.
- Always practice lock-out/tag-out procedures according to OSHA requirements.
- Carefully inspect your work area, and remove any tools and objects left inside the equipment.
- Replace all devices, doors, and covers before turning on power to this equipment.
- All instructions in this manual are written with the assumption that the customer has taken these measures before performing maintenance or testing. Failure to follow these instructions will result in death or serious injury