

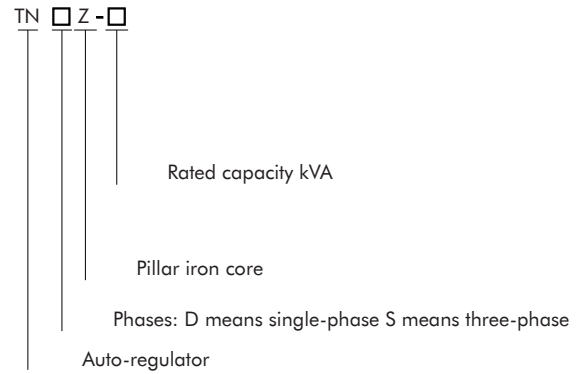


TNDZ, TNSZ Pillar Type AC Automatic Regulator with Compensated

1. General

Application: used in the application requiring stable voltage, such as telecommunication, broadcasting & TV, elevator, silicone controlled apparatus, numerical control machine tool, and various production lines, etc.

2. Type designation



3. Operating conditions

3.1 Temperature: $-5^{\circ}\text{C} \sim +45^{\circ}\text{C}$;

3.2 Altitude: $\leq 1000\text{m}$;

3.3 Relative humidity: 15%~90%(20°C).

4. Technical data

Model	Rated capacity (kVA)	Phase	Frequency (Hz)	Input voltage range	Rated output voltage	Accuracy of regulate voltage	The protect value of output overvoltage	The protect value of output undervoltage	Response time	Rated output current (A)
TNDZ-20	20	1	50 ~ 60	176 ~ 264	220	$\pm(1\pm5)\%$	242 \pm 2.2	198 \pm 2.2	When input voltage steps 15V,the output response time \leq 1.5s	91
TNDZ-30	30									136
TNDZ-50	50									227
TNSZ-30	30	3	50 ~ 60	304 ~ 456	380	$\pm(1\pm5)\%$	418 \pm 3.8	342 \pm 3.8	When input voltage steps 25V,the output response time \leq 1.5s	46
TNSZ-50	50									76
TNSZ-75	75									114
TNSZ-100	100									152
TNSZ-150	150									228
TNSZ-180	180									273
TNSZ-200	200									304
TNSZ-225	225									342
TNSZ-250	250									380
TNSZ-300	300									456
TNSZ-320	320									486
TNSZ-350	350									532
TNSZ-400	400									608
TNSZ-450	450	684								
TNSZ-500	500	760								

Note1: It is no the function of output under voltage what eigibility item when normal regulations product ex-facture, unless the customer request.

Note2: If have other requires you can discuss with manufacture.Such as output voltage is 400V, or output voltage three-phase 220V, and the range of regulate voltage between $\pm 3\%$ can negotiate to order.

5. Features

5.1 When fault of phase sequence by power supply or maintenance of transformer, the voltage regulator will automatically check and adjust to ensure the normal working of the regulator.

5.2 Adoption of new technology can reduce contactors to increase the reliability of voltage regulator.

5.3 With over-voltage protection and alarming. When the voltage is stable, the input voltage is beyond the threshold(456V) or output voltage beyond the threshold(426V \pm 7V), he voltage regulator will cut the power supply and alarm until the input and output voltage reduce to the normal value.

5.4 With the function of automatic start when power supply resumes.

5.5 With starting delay.

6. Specifications, overall dimensions and weights

Model	Rated capacity	BXDxE(mm)
TNDZ single-phase	30kVA	800×610×1380
	50kVA	850×610×1450
TNSZ three-phase	30kVA	570×690×1050
	50kVA	610×790×1150
	75kVA	650×820×1210
	100kVA	650×880×1210
	150kVA	760×880×1300
	180kVA	900×1100×1550
	200kVA	900×1190×1550
	225kVA	900×1190×1550
	250kVA	900×1190×1550
	300kVA	900×1190×1550
	320kVA	900×1190×1550
	350kVA	1400×1070×2250
	400kVA	1400×1070×2250
	450kVA	1400×1070×2250
500kVA	1400×1070×2250	

7. Ordering information

- 7.1 Considering impact by inrush current, the safety coefficient should be 1.5-3 times. The safety coefficient is determined by the load.
- 7.2 This product should be connected to the natural line when the input and output circuit is three phase four line.
- 7.3 The capacity of single phase should be less than 1/3 of the product.