



LANZHOU

TZH-N 系列无刷交流同步发电机
TZH-N Series Brushless Synchronous Alternators



TZH-N 184 Land Use Alternator

Voltage: 120V~600V
Power: 15~50KVA

◎Advantage:

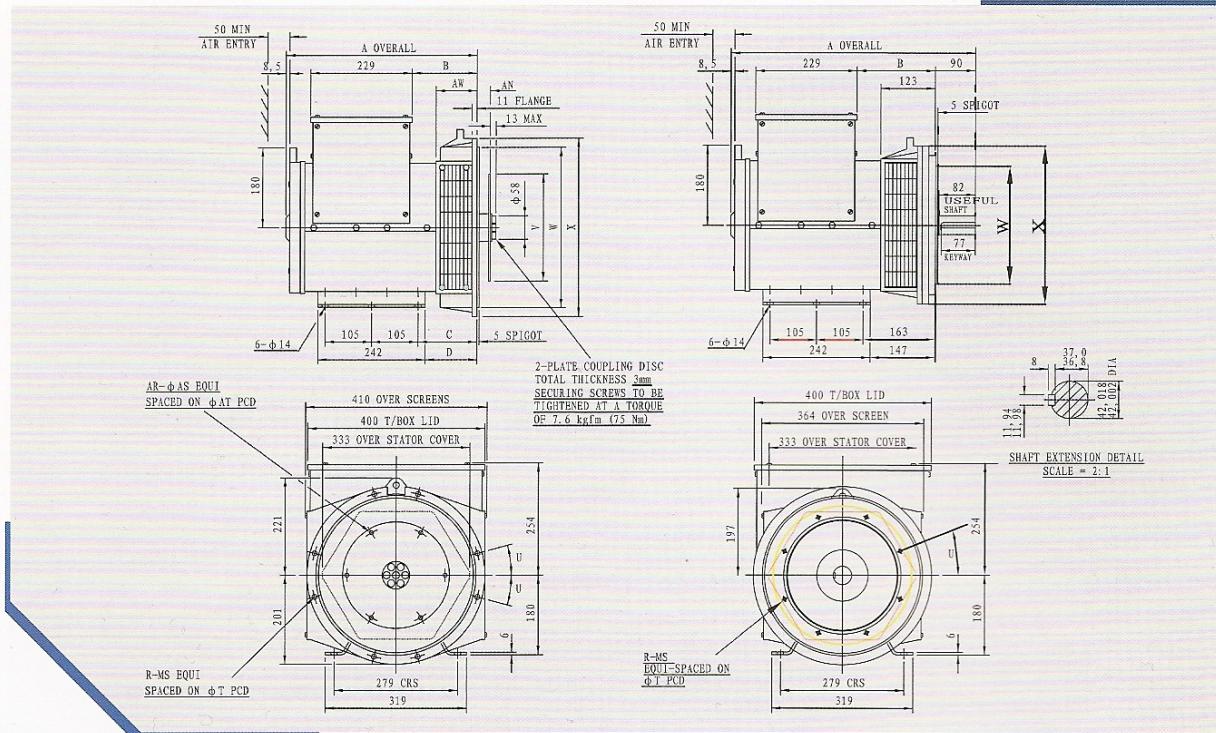
- Self excitation
- Advanced AVR
- The 2/3 pitch design avoids excessive neutral current
- Single bearing or double bearing
- Easy to install and maintenance
- Standard IP22

◎Optional Part

- Anti-condensation heater
- Air filter
- Anti-radio interference suppressors
- Droop transformer for parallel operation
- AS440 AVR Plus a three phase induction detection module can meet ± 0.5% voltage regulation

Frequency/RPM	Three-Phase Cont.H-125°C/40°C						Single-Phase Cont.H-125°C/40°C						
	50Hz(1500rpm)			60Hz(1800rpm)			50Hz(1500rpm)			60Hz(1800rpm)			
Series star(V)	380	400	415	416	440	460	480	220	230	240	220	230	240
Parallel star(V)	190	200	208	208	220	230	240	110	115	120	110	115	120
Series delta(V)	220	230	240	240	254	266	277	N/A	N/A	N/A	N/A	N/A	N/A
TZH-N184E Capacity(KVA)	22.5	22.5	22.5	27.5	28.8	28.8	30.0	15.0	15.0	15.0	18.4	18.4	18.4
Power(KW)	18.0	18.0	18.0	22.0	23.0	23.0	24.0	12.0	12.0	12.0	14.7	14.7	14.7
Efficiency(%)	83.7	84.2	84.5	83.4	83.6	84.1	84.2	81.3	81.7	81.9	79.9	80.6	81.1
TZH-N184FS Capacity(KVA)	25.0	25.0	25.0	30.0	31.3	31.3	32.5	16.0	16.0	16.0	19.2	19.2	19.2
Power(KW)	20.0	20.0	20.0	24.0	25.0	25.0	26.0	12.8	12.8	12.8	15.4	15.4	15.4
Efficiency(%)	83.7	84.2	84.4	83.4	83.6	83.9	84.2	81.3	81.7	81.9	79.9	80.6	81.1
TZH-N184F Capacity(KVA)	27.5	27.5	27.5	32.5	34.4	34.4	35.0	18.5	18.5	18.5	21.9	21.9	21.9
Power(KW)	22.0	22.0	22.0	26.0	27.5	27.5	28.0	14.8	14.8	14.8	17.5	17.5	17.5
Efficiency(%)	85.3	85.8	86.0	85.4	85.5	86.0	86.1	82.7	83.0	83.3	81.9	81.9	82.8
TZH-N184G Capacity(KVA)	31.3	31.3	31.3	35.0	37.5	37.5	37.5	21.0	21.0	21.0	25.0	25.0	25.0
Power(KW)	25.0	25.0	25.0	28.0	30.0	30.0	30.0	16.8	16.8	16.8	20.0	20.0	20.0
Efficiency(%)	85.7	86.2	86.4	86.3	86.3	86.7	87.0	83.7	83.9	83.9	83.0	83.0	83.8
TZH-N184H Capacity(KVA)	37.5	37.5	37.5	44.3	46.9	46.9	46.9	25.0	25.0	25.0	31.3	31.3	31.3
Power(KW)	30.0	30.0	30.0	35.4	37.5	37.5	37.5	20.0	20.0	20.0	25.0	25.0	25.0
Efficiency(%)	86.2	86.6	86.9	86.2	86.3	86.7	87.0	82.9	82.9	82.9	82.8	82.8	82.8
TZH-N184J Capacity(KVA)	40.0	42.5	40.0	47.3	50.0	50.0	50.0	28.0	28.0	28.0	35.0	35.0	35.0
Power(KW)	32.0	34.0	32.0	37.8	40.0	40.0	40.0	22.4	22.4	22.4	28.0	28.0	28.0
Efficiency(%)	87.6	86.6	87.1	87.3	86.7	86.8	87.2	87.5	83.0	83.0	82.9	83.0	83.0

Note: All LANZHOU generator ratings are based on 40°C ambient temperature and within 1000 meters altitude.
 Other voltage ranges of generators need to be manufactured according to needs of customer.



◎ SINGLE SUPPORTING

DIMENSIONS

TYPE	A(AW-93)	B
TZH-N182H	481.5	197
TZH-N182J	481.5	197
TZH-N182K	521.5	237
TZH-N184E	431.5	147
TZH-N184FS	521.5	237
TZH-N184F	521.5	237
TZH-N184G	521.5	237
TZH-N184H	581.5	297
TZH-N184J	581.5	297

DISC COUPLINGS

S.A.E.No	AN	AR	AS	AT	V
6.5	30.16	6	8.7	200.0	215.8
7.5	30.16	8	8.7	222.2	241.2
8	61.9	6	11	244.5	263.4
10	53.98	8	11	295.3	314.2
11.5	39.68	8	11	333.4	352.3
14	25.4	8	13.5	438.2	466.5

FLANGE ADAPTORS

S.A.E.No	AW	R	S	T	U	W	X	C	D
2	132.3	12	11	466.7	15	447.6	489	172	156
3	105	8	11	428.6	15	409.5	451	145	129
4	93	8	11	381.0	15	361.9	402	133	117
5	93	8	11	333.3	22.5	314.3	356	133	117
6	124.7	8	11	285.8	22.5	266.7	308	164.7	148.7

SHIPPING DETAILS

TYPE	Net Weight(kg)	Gross Weight(kg)	Packing Case size(cm)
TZH-N182H	130	140	59X50X57
TZH-N182J	143	153	59X50X57
TZH-N182K	159	169	63X50X57
TZH-N184E	120	133	54X50X57
TZH-N184FS	150	156	63X50X57
TZH-N184F	150	156	63X50X57
TZH-N184G	156	172	63X50X57
TZH-N184H	216	226	69X50X57
TZH-N184J	226	236	69X50X57

◎ DOUBLE SUPPORTING

DISC COUPLINGS

	A	B	C	D	E	F
TZH-N182H	601.5	227	65	228	82	77
TZH-N182J	601.5	227	65	228	82	77
TZH-N182K	641.5	267	65	228	82	77
TZH-N184E	551.5	177	65	228	82	77
TZH-N184FS	641.5	267	65	228	82	77
TZH-N184F	641.5	267	65	228	82	77
TZH-N184G	641.5	267	65	228	82	77
TZH-N184H	701.5	327	105	271	110	100
TZH-N184J	701.5	327	105	271	110	100

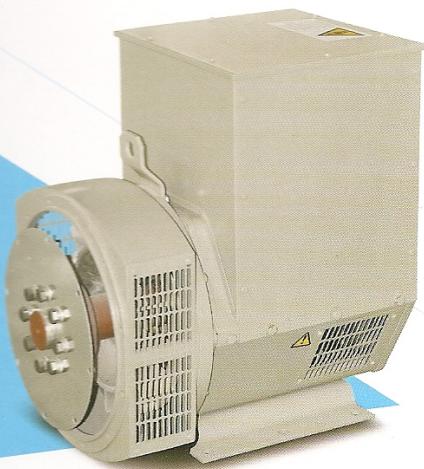
FLANGE ADAPTORS

S.A.E.No	R	MS	T	U	W	X
3	12	10X1.25P	381	30	Φ 361.90 361.84	451
4	8	6X1P	285	22.5	Φ 264.98 264.94	403

SHIPPING DETAILS

TYPE	Net Weight(kg)	Gross Weight(kg)	Packing Case size(cm)
TZH-N182H	137	147	64X50X57
TZH-N182J	150	160	64X50X57
TZH-N182K	166	176	68X50X57
TZH-N184E	131	141	59X50X57
TZH-N184FS	154	164	69X50X57
TZH-N184F	154	164	69X50X57
TZH-N184G	170	180	69X50X57
TZH-N184H	220	230	74X50X57
TZH-N184J	230	240	74X50X57

◎ All drawings and weight data are just for reference , please contact LANZHOU company if there is any doubt.



TZH-N 224 Land Use Alternator

Voltage: 120V~690V

Power: 42.5~103.8KVA

Advantage:

- Meets all requirements of the world's leading generator standards
- Self-excitation control or optional permanent magnet generator provides continuous short circuit current capability
- H class insulation ensure the generator running in dreadful conditions
- The 2/3 pitch design avoids excessive neutral current
- You can reconnect 12 ends of the terminals to meet other voltage
- Single bearing or double bearing
- Easy to install and maintenance
- Standard IP22

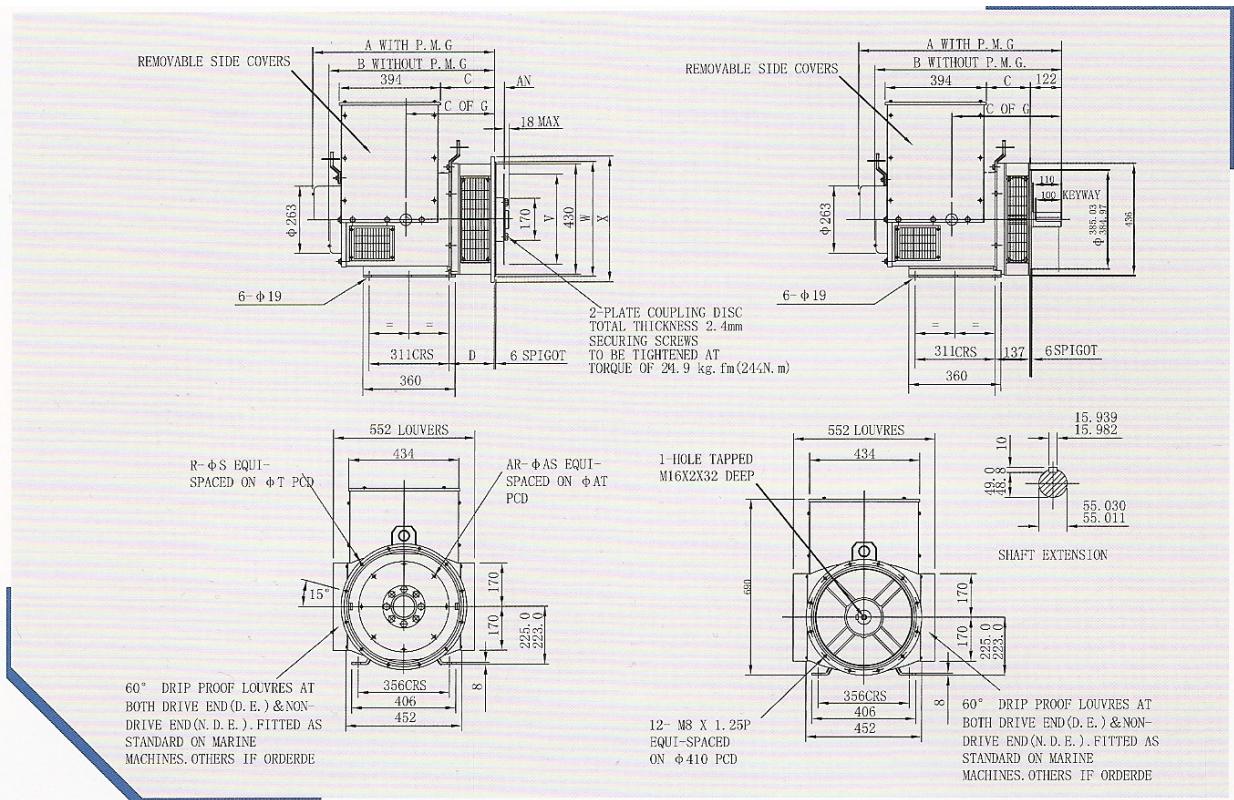
Optional Part

- Winding temperature sensor RTD
- Bearing temperature sensor RTD
- Winding temperature protection thermistors and relays
- Optional PMG supply separate excitation system power
- Optional AVR MX321 OR MX341, optional AS440 AVR Plus a three phase induction detection module can meet $\pm 0.5\%$ voltage regulation
- Anti-condensation heater
- Air filter
- Droop transformer for parallel operation
- Anti-radio interference suppressors
- Power Factor Controller PFC3

TZH-N224 THREE PHASE ALTERNATOR

	50Hz(1500rpm)								60Hz(1800rpm)									
	Cont.H- 125°C/40°C			Cont.H- 150°C/40°C			Cont.H- 163°C/27°C			Cont.H- 125°C/40°C			Cont.H- 150°C/40°C			Cont.H- 163°C/27°C		
环境温度 Ambient Temp																		
温升 Temp Rise																		
电压 Voltage	380	400	415	380	400	415	380	400	415	416	440	480	416	440	480	416	440	480
TZH-N224C Capacity(KVA)	42.5	42.5	42.5	45.0	45.0	45.0	46.8	46.8	46.8	50.0	52.5	55.0	53.1	55.0	58.1	55.0	56.3	60.0
Power(KW)	34.0	34.0	34.0	36.0	36.0	36.0	37.4	37.4	37.4	40.0	42.0	44.0	42.5	44.0	46.5	44.0	45.0	48.0
Efficiency(%)	86.6	87.1	87.4	86.2	86.2	87.1	86.0	86.6	86.9	87.1	87.5	88.1	86.7	87.2	87.8	86.5	87.1	87.6
TZH-N224D Capacity(KVA)	50.0	50.0	50.0	53.0	53.0	53.0	55.0	55.0	55.0	60.0	62.5	65.0	62.5	65.0	68.8	65.0	66.3	71.3
Power(KW)	40.0	40.0	40.0	42.4	42.4	42.4	44.0	44.0	44.0	48.0	50.0	52.0	50.0	52.0	55.0	52.0	53.0	57.0
Efficiency(%)	87.7	88.2	88.5	87.4	87.4	88.2	87.2	87.7	88.0	88.0	88.4	89.0	87.8	88.2	88.7	87.5	88.1	88.5
TZH-N224E Capacity(KVA)	60.0	60.0	60.0	61.0	61.0	61.0	63.0	63.0	63.0	67.5	70.0	75.0	70.0	73.8	78.8	72.5	75.0	80.0
Power(KW)	48.0	48.0	48.0	48.8	48.8	48.8	50.4	50.4	50.4	54.0	56.0	60.0	56.0	59.0	63.0	58.0	60.0	64.0
Efficiency(%)	88.3	88.8	89.1	88.2	88.2	89.0	88.0	88.5	88.8	88.8	89.2	89.6	88.6	88.9	89.4	88.4	88.8	89.3
TZH-N224F Capacity(KVA)	72.5	72.5	72.5	77.0	77.0	77.0	80.0	80.0	80.0	83.8	87.5	93.8	88.8	92.5	100.0	91.9	95.0	102.5
Power(KW)	58.0	58.0	58.0	61.6	61.6	61.6	64.0	64.0	64.0	67.0	70.0	75.0	71.0	74.0	80.0	73.5	76.0	82.0
Efficiency(%)	89.6	89.9	90.1	89.4	89.4	89.9	89.2	89.6	89.8	90.0	90.3	90.6	89.8	90.1	90.4	89.6	89.9	90.3
TZH-N224FL Capacity(KVA)	80.0	80.0	80.0	84.8	84.8	84.8	88.0	88.0	88.0	91.0	95.0	103.0	98.0	102.5	110.0	100.9	105.0	112.5
Power(KW)	64.0	64.0	64.0	67.8	67.8	67.8	70.4	70.4	70.4	72.8	76.0	82.4	78.4	82.0	88.0	80.7	84.0	90.0
Efficiency(%)	89.6	89.9	90.1	89.4	89.4	89.9	89.2	89.6	89.8	90.0	90.3	90.6	89.8	90.1	90.4	89.6	89.9	90.3
TZH-N224G Capacity(KVA)	85.0	85.0	85.0	87.5	87.5	87.5	90.8	90.8	90.8	93.8	97.5	103.8	98.1	102.5	110.0	101.3	106.3	113.8
Power(KW)	68.0	68.0	68.0	70.0	70.0	70.0	72.6	72.6	72.6	75.0	78.0	83.0	78.5	82.0	88.0	81.0	85.0	91.0
Efficiency(%)	89.8	90.2	90.4	89.7	89.7	90.3	89.6	89.9	90.1	90.5	90.8	91.0	90.3	90.6	90.9	90.2	90.4	90.8

Note: All LANZHOU generator ratings are based on 40°C ambient temperature and within 1000 meters altitude.
Other voltage ranges of generators need to be manufactured according to needs of customer.



◎ SINGLE SUPPORTING

DIMENSIONS

		A	B	C	C of G
	TZH-N224C	724.3	661.3	224.3	323
	TZH-N224D	724.3	661.3	224.3	333
SAE1	TZH-N224E	814.3	751.3	314.3	348
	TZH-N224F	814.3	751.3	314.3	358
	TZH-N224FL	814.3	751.3	314.3	358
	TZH-N224G	859.3	796.3	359.3	373
	TZH-N224C	710	647	210	311
	TZH-N224D	710	647	210	321
SAE2&3	TZH-N224E	800	737	300	336
	TZH-N224F	800	737	300	346
	TZH-N224FL	800	737	300	346
	TZH-N224G	845	782	345	361

DISC COUPLINGS

SAE NO.	AN	AR	AS	AT	V
8	61.9	6	10.3	244.4	263.4
10	53.98	8	10.3	295.3	314.2
11.5	39.68	8	10.3	333.3	352.3
14	25.4	8	13.5	438.2	466.6

FLANGE ADAPTORS

SAE NO.	D	R	S	T	W	X
1	191.3	12	12.7	530.2	511.1	553
2	177	12	11	466.7	447.6	490
3	177	12	11	428.6	409.5	451
4	177	12	11	381.0	361.9	453

SHIPPING DETAILS

	Net Weight(kg)	Gross Weight(kg)	Packing Case size(cm)
TZH-N224C	235	255	75x50x77
TZH-N224D	250	270	75x50x77
TZH-N224E	270	290	84x50x77
TZH-N224F	310	330	84x50x77
TZH-N224FL	310	330	84x50x77
TZH-N224G	350	370	88x50x77

◎ DOUBLE SUPPORTING

DIMENSIONS

	A	B	C	C of G
TZH-N224C	792	792	170	385
TZH-N224D	792	792	170	395
TZH-N224E	882	882	260	410
TZH-N224F	882	882	260	420
TZH-N224FL	882	882	260	420
TZH-N224G	972	972	305	435

SHIPPING DETAILS

	Net Weight(kg)	Gross Weight(kg)	Packing Case size(cm)
TZH-N224C	235	255	77x50x77
TZH-N224D	250	270	77x50x77
TZH-N224E	270	290	86x50x77
TZH-N224F	310	330	86x50x77
TZH-N224FL	310	330	86x50x77
TZH-N224G	350	370	91x50x77

◎ All drawings and weight data are just for reference , please contact LANZHOU company if there is any doubt.



TZH-N 274 ▲ Land Use Alternator

Voltage: 120V~690V

Power: 100~255KVA

◎Advantage:

- Meets all requirements of the world's leading generator standards
- Self-excitation control or optional permanent magnet generator provides continuous short circuit current capability
- H class insulation ensure the generator running in dreadful conditions
- The 2/3 pitch design avoids excessive neutral current
- You can reconnect 12 ends of the terminals to meet other voltage
- Single bearing or double bearing
- Easy to install and maintenance • Standard IP22

◎Optional Part

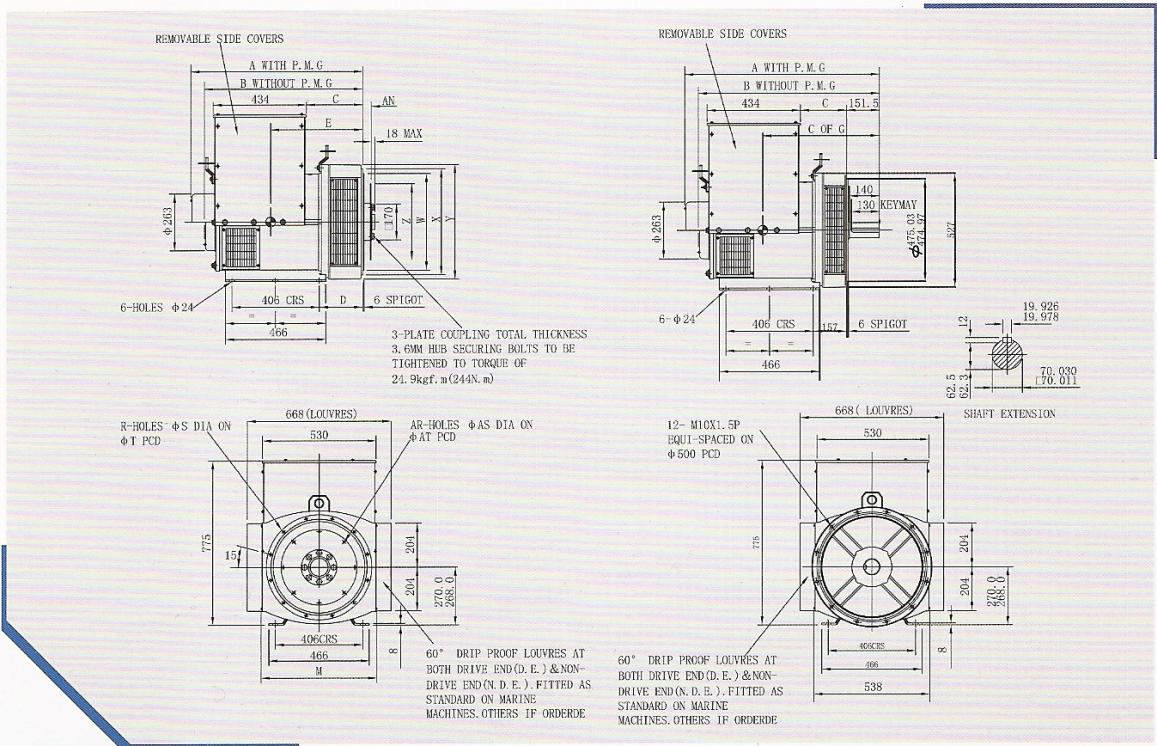
- Winding temperature sensor RTD
- Bearing temperature sensor RTD
- Winding temperature protection thermistors and relays
- Optional PMG supply separate excitation system power
- Optional AVR MX321 OR MX341,optional AS440 AVR Plus a three phase induction detection module can meet $\pm 0.5\%$ voltage regulation
- Anti-condensation heater • Air filter
- Droop transformer for parallel operation
- Anti-radio interference suppressors
- Power Factor Controller PFC3

TZH-N274 THREE PHASE ALTERNATOR

	环境温度 Ambient Temp	50Hz(1500rpm)						60Hz(1800rpm)											
		Cont.H- 125°C/40°C	Cont.H- 150°C/40°C	Cont.H- 163°C/27°C															
温升 Temp Rise																			
电压 Voltage	380	400	415	380	400	415	380	400	415	416	440	480	416	440	480				
TZH-N274C Capacity(KVA)	100.0	100.0	100.0	106.0	106.0	106.0	110.0	110.0	110.0	112.5	117.5	125.0	116.3	125.0	132.5	120.0	127.5	137.5	
Power(KW)	80.0	80.0	80.0	84.8	84.8	84.8	88.0	88.0	88.0	90.0	94.0	100.0	93.0	100.0	106.0	96.0	102.0	110.0	
Efficiency(%)	89.8	90.3	90.6	89.5	90.0	90.4	89.2	89.8	90.2	90.2	90.6	91.1	90.0	90.2	90.8	89.8	90.1	90.6	
TZH-N274D Capacity(KVA)	114.0	120.0	114.0	121.0	127.0	121.0	125.0	130.0	125.0	131.3	137.5	146.3	137.5	145.0	156.3	142.5	150.0	158.8	
Power(KW)	91.2	96.0	91.2	96.8	101.6	96.8	100.0	104.0	100.0	105.0	110.0	117.0	110.0	116.0	125.0	114.0	120.0	127.0	
Efficiency(%)	90.3	90.6	91.1	91.1	91.6	91.8	91.0	91.4	91.7	90.5	90.8	91.3	91.2	91.5	92.0	91.0	91.4	91.9	
TZH-N274DL Capacity(KVA)	125.0	125.0	125.0	130.0	130.0	130.0	135.0	135.0	135.0	150.0	156.0	162.2	156.0	173.1	190.5	161.0	178.1	195.5	
Power(KW)	100.0	100.0	100.0	104.0	104.0	104.0	108.0	108.0	108.0	120.0	124.8	129.8	124.8	138.5	152.4	128.8	142.5	156.4	
Efficiency(%)	90.4	90.6	91.1	91.1	91.6	91.8	91.0	91.4	91.7	90.5	90.8	91.3	91.2	91.5	92.0	91.0	91.4	91.9	
TZH-N274E Capacity(KVA)	140.0	140.0	140.0	145.0	145.0	145.0	150.0	150.0	150.0	160.0	167.5	178.8	170.0	175.0	187.5	175.0	181.3	193.8	
Power(KW)	112.0	112.0	112.0	116.0	116.0	116.0	120.0	120.0	120.0	128.0	134.0	143.0	136.0	140.0	150.0	140.0	145.0	155.0	
Efficiency(%)	91.3	91.7	92.0	91.1	91.6	91.8	91.0	91.4	91.7	91.4	91.7	92.1	91.2	91.5	92.0	91.0	91.4	91.9	
TZH-N274EL Capacity(KVA)	150.0	150.0	150.0	155.0	155.0	155.0	160.0	160.0	160.0	160.0	172.6	179.5	186.7	180.0	185.0	192.5	185.0	192.4	200.1
Power(KW)	120.0	120.0	120.0	124.0	124.0	124.0	128.0	128.0	128.0	138.1	143.6	149.4	144.0	148.0	130.0	148.0	153.9	160.1	
Efficiency(%)	91.3	91.7	92.0	91.1	91.6	91.8	91.0	91.4	91.7	91.4	91.7	92.1	91.2	91.5	92.0	91.0	91.4	91.9	
TZH-N274F Capacity(KVA)	160.0	160.0	160.0	170.0	170.0	170.0	175.0	175.0	175.0	181.3	190.0	206.3	187.5	200.0	212.5	192.5	206.3	218.8	
Power(KW)	128.0	128.0	128.0	136.0	136.0	136.0	140.0	140.0	140.0	145.0	152.0	165.0	150.0	160.0	170.0	154.0	165.0	175.0	
Efficiency(%)	92.0	92.3	92.5	91.7	92.1	92.3	91.6	92.0	92.2	92.1	92.4	92.7	92.0	92.2	92.6	91.9	92.1	92.5	
TZH-N274G Capacity(KVA)	182.0	182.0	182.0	187.0	187.0	187.0	200.0	200.0	200.0	205.0	218.5	231.4	213.0	228.8	250.0	218.5	234.0	253.3	
Power(KW)	145.6	145.6	145.6	149.6	149.6	149.6	160.0	160.0	160.0	164.0	174.8	185.1	170.4	183.0	200.0	174.8	187.2	202.6	
Efficiency(%)	92.0	92.4	92.6	91.9	92.2	92.5	91.7	92.1	92.3	92.2	92.4	92.7	92.0	92.2	92.5	91.9	92.1	92.5	
TZH-N274H Capacity(KVA)	200.0	200.0	200.0	212.0	212.0	212.0	220.0	220.0	220.0	237.5	245.0	255.0	250.0	258.8	275.0	256.3	265.0	280.0	
Power(KW)	160.0	160.0	160.0	169.6	169.6	169.6	176.0	176.0	176.0	190.0	196.0	204.0	200.0	207.0	220.0	205.0	212.0	224.0	
Efficiency(%)	93.0	93.3	93.4	92.8	93.1	93.3	92.7	93.0	93.2	93.0	93.2	93.6	92.8	93.1	93.4	92.7	93.0	93.3	
TZH-N274J Capacity(KVA)	230.0	230.0	230.0	250.0	250.0	250.0	260.0	260.0	260.0	269.0	281.0	300.0	288.0	300.0	319.0	294.0	306.0	325.0	
Power(KW)	184.0	184.0	184.0	200.0	200.0	200.0	208.0	208.0	208.0	215.2	224.8	240.0	230.4	240.0	255.2	235.2	244.8	260.0	
Efficiency(%)	92.4	92.4	92.4	92.1	92.2	92.3	91.8	92.0	92.1	92.8	92.8	92.8	92.5	92.5	92.5	92.4	92.4	92.4	
TZH-N274K Capacity(KVA)	250.0	250.0	250.0	265.0	265.0	275.0	275.0	275.0	291.0	299.0	312.5	304.0	312.5	331.3	312.0	320.0	343.8		
Power(KW)	200.0	200.0	200.0	212.0	212.0	212.0	220.0	220.0	220.0	232.8	239.2	250.0	243.2	250.0	265.0	249.6	256.0	275.0	
Efficiency(%)	92.5	92.7	92.8	92.2	92.4	92.6	92.0	92.2	92.4	92.8	92.7	92.9	92.4	92.6	92.7	92.2	92.4	92.5	

Note: All LANZHOU generator ratings are based on 40°C ambient temperature and within 1000 meters altitude.

Other voltage ranges of generators need to be manufactured according to needs of customer.



◎ SINGLE SUPPORTING

DIMENSIONS						
	A	B	C	E	C of G	
SAE1	TZH-N274C	813.3	750.3	274.3	554	365
	TZH-N274D	831.3	750.3	274.3	554	375
	TZH-N274DL	831.3	750.3	274.3	554	375
	TZH-N274E	928.3	865.3	389.3	554	390
	TZH-N274EL	928.3	865.3	389.3	554	390
	TZH-N274F	928.3	865.3	389.3	554	415
	TZH-N274G	978.3	915.3	439.3	554	435
SAE2&3	TZH-N274H	1018.3	955.3	479.3	554	455
	TZH-N274C	799	736	260	554	398
	TZH-N274D	799	736	260	554	422
	TZH-N274DL	799	736	260	554	422
	TZH-N274E	914	851	375	554	489
	TZH-N274EL	914	851	375	554	489
	TZH-N274F	914	851	375	554	527
	TZH-N274G	964	904	425	554	579
	TZH-N274H	1004	941	465	554	625
	TZH-N274JK	1063	1000	525	583	591.5

DISC COUPLINGS					
SAE NO.	AN	AR	AS	AT	V
10	59.98	8	10.3	295.3	314.2
11.5	39.68	8	10.3	333.3	352.3
14	25.40	8	13.5	438.2	466.6

FLANGE ADAPTOR							
SAE NO.	D	R	S	T	W	X	Y
1	216.3	12	12.7	530.2	511.1	553	580
2	202	12	11	466.7	447.6	490	530
3	202	12	11	428.6	409.5	451	530

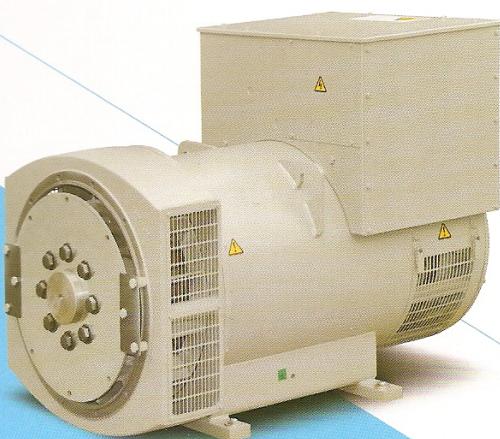
SHIPPING DETAILS			
	Net Weight(kg)	Gross Weight(kg)	Packing Case size(cm)
TZH-N274C	385	415	84x60x87
TZH-N274D	405	435	84x60x87
TZH-N274DL	405	435	84x60x87
TZH-N274E	455	485	96x60x87
TZH-N274EL	455	485	96x60x87
TZH-N274F	500	530	96x60x87
TZH-N274G	550	580	101x60x87
TZH-N274H	600	630	105x60x87
TZH-N274J	720	760	110x62X89
TZH-N274K	740	780	110X62X89

• DOUBLE SUPPORTING

DIMENSIONS				
	A	B	C	C of G
TZH-N274C	905	842	215	445
TZH-N274D	905	842	215	455
TZH-N274DL	905	842	215	455
TZH-N274E	1020	957	330	470
TZH-N274EL	1020	957	330	470
TZH-N274F	1020	957	330	500
TZH-N274G	1070	1007	380	515
TZH-N274H	1110	1047	420	535
TZH-N274J/K	1177	1147		

SHIPPING DETAILS			
	Net Weight(kg)	Gross Weight(kg)	Packing Case size(cm)
TZH-N274C	395	435	89x60x87
TZH-N274D	420	460	89x60x87
TZH-N274DL	420	460	89x60x87
TZH-N274E	470	510	101x60x87
TZH-N274EL	470	510	101x60x87
TZH-N274F	510	550	101x60x87
TZH-N274G	560	600	106x60x87
TZH-N274H	610	650	110x60x87
TZH-N274J	730	770	118X62X89
TZH-N274K	750	790	118X62X89

- ④ All drawings and weight data are just for reference , please contact LANZHOU company if there is any doubt.



TZH-N 444 Land Use Alternator

Voltage: 120V~690V

Power: 250~475KVA

◎ Advantage:

- Meets all requirements of the world's leading generator standards
- Self-excitation control or optional permanent magnet generator provides continuous short circuit current capability
- H class insulation ensure the generator running in dreadful conditions
- The 2/3 pitch design avoids excessive neutral current
- You can reconnect 12 ends of the terminals to meet other voltage
- Single bearing or double bearing
- Easy to install and maintenance • Standard IP22

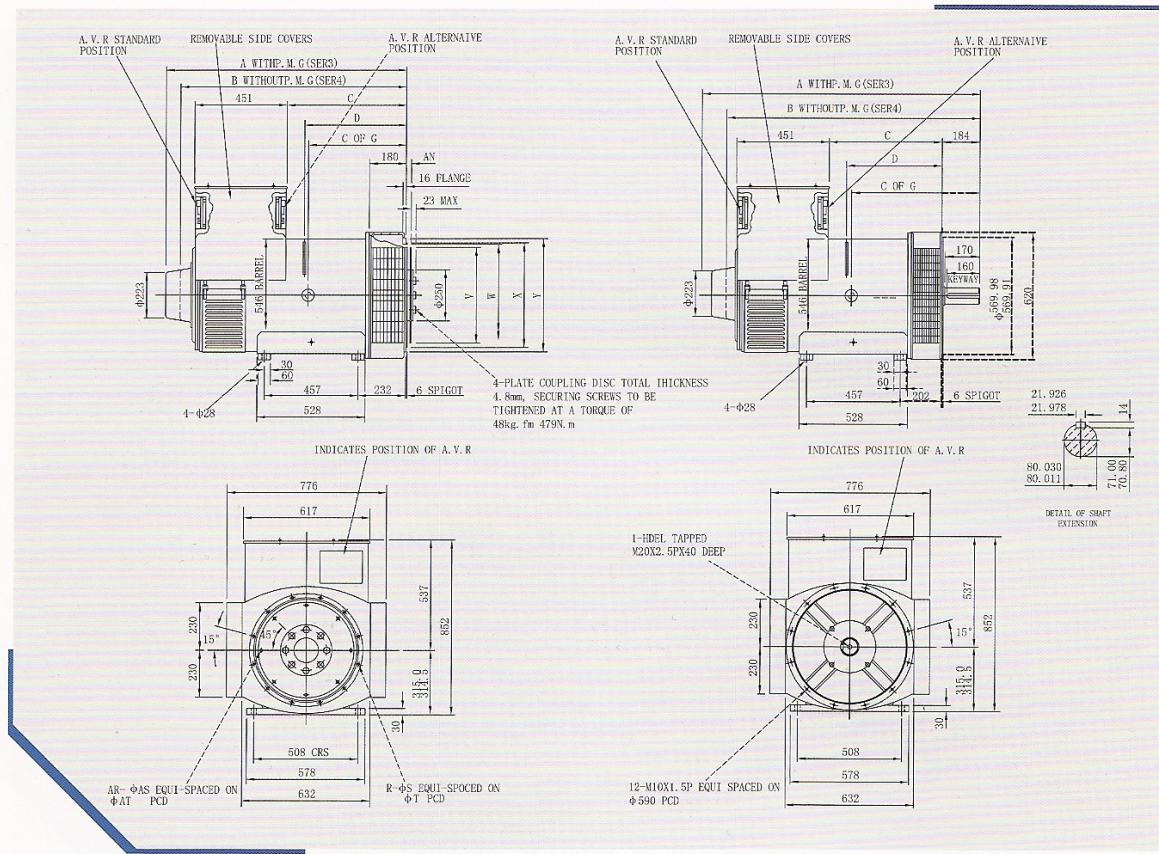
◎ Optional Part

- Winding temperature sensor RTD
- Bearing temperature sensor RTD
- Winding temperature protection thermistors and relays
- Optional PMG supply separate excitation system power
- Optional AVR MX321 OR MX341, optional AS440 AVR Plus a three phase induction detection module can meet $\pm 0.5\%$ voltage regulation
- Anti-condensation heater • Air filter
- Droop transformer for parallel operation
- Anti-radio interference suppressors
- Power Factor Controller PFC3

TZH-N444 THREE PHASE ALTERNATOR

	环境温度 Ambient Temp	50Hz(1500rpm)						60Hz(1800rpm)					
		Cont.H-125°C/40°C		Cont.H-150°C/40°C		Cont.H-163°C/27°C		Cont.H-125°C/40°C		Cont.H-150°C/40°C		Cont.H-163°C/27°C	
环境温度 Ambient Temp	温升 Temp Rise	380	400	415	380	400	415	380	400	415	416	440	480
TZH-N444C Capacity(KVA)	Power(KW)	250.0	250.0	250.0	270.0	270.0	270.0	275.0	275.0	287.5	300.0	315.0	300.0
	Efficiency(%)	92.5	92.8	93.0	92.0	92.3	92.6	91.8	92.2	92.5	92.6	92.7	93.0
TZH-N444D Capacity(KVA)	Power(KW)	300.0	300.0	300.0	320.0	320.0	320.0	330.0	330.0	330.0	343.7	360.0	375.0
	Efficiency(%)	92.7	93.0	93.2	92.3	92.7	92.9	92.1	92.5	92.7	93.0	92.3	92.6
TZH-N444ES Capacity(KVA)	Power(KW)	325.0	325.0	325.0	345.0	345.0	345.0	358.0	358.0	358.0	381.0	394.0	419.0
	Efficiency(%)	93.6	93.7	93.8	92.7	93.0	93.2	92.7	93.0	93.2	93.7	93.8	93.2
TZH-N444E Capacity(KVA)	Power(KW)	350.0	350.0	350.0	370.0	370.0	370.0	380.0	380.0	380.0	400.0	420.0	440.0
	Efficiency(%)	93.2	93.5	93.6	93.2	93.5	93.6	92.7	92.7	93.2	93.5	93.7	92.9
TZH-N444FS Capacity(KVA)	Power(KW)	380.0	380.0	380.0	390.0	390.0	390.0	404.0	404.0	404.0	444.0	456.0	475.0
	Efficiency(%)	93.4	93.7	93.8	93.1	93.2	93.5	93.2	93.6	93.6	93.7	93.3	93.4
TZH-N444F Capacity(KVA)	Power(KW)	400.0	400.0	400.0	415.0	430.0	430.0	425.0	450.0	440.0	455.0	480.0	500.0
	Efficiency(%)	93.2	93.4	93.6	92.9	93.0	93.2	92.8	92.8	93.1	93.4	93.1	93.2

Note: All LANZHOU generator ratings are based on 40°C ambient temperature and within 1000 meters altitude.
Other voltage ranges of generators need to be manufactured according to needs of customer.



◎ SINGLE SUPPORTING

	A	B	C	D	C of G
TZH-N444C	1172	1101	584	493	463
TZH-N444D	1172	1101	584	493	483
TZH-N444ES	1172	1101	584	493	504
TZH-N444E	1172	1101	584	493	504
TZH-N444FS	1262	1191	674	583	530
TZH-N444F	1262	1191	674	583	530

DISC COUPLINGS

S.A.E.No	AN	AR	AS	AT	V
11.5	39.68	8	10.3	333.4	352.3
14	25.4	8	13.5	438.1	466.6
18	15.87	6	16.7	543.0	571.1

FLANGE ADAPTORS

S.A.E.No	R	S	T	W	X	X
0	12	14	679.5	626	647.6	711
1/2	12	14	619.1	569	584.1	680
1	12	12.7	530.2	496	511.1	617
2	12	11	466.7	432	447.6	617
3	12	11	428.6	394	409.5	617

SHIPPING DETAILS

TYPE	Net Weight(kg)	Gross Weight(kg)	Packing Case size(cm)
TZH-N444C	850	910	121x70x96
TZH-N444D	915	975	121x70x96
TZH-N444ES	995	1055	121x70x96
TZH-N444E	995	1055	121x70x96
TZH-N444FS	1120	1183	130x70x96
TZH-N444F	1120	1183	130x70x96

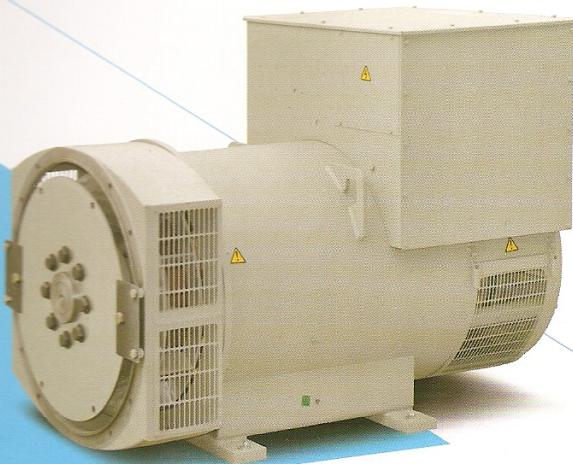
◎ DOUBLE SUPPORTING

	A	B	C	D	C of G
TZH-N444C	1326	1255	554	463	467
TZH-N444D	1326	1255	554	463	487
TZH-N444ES	1326	1255	554	463	508
TZH-N444E	1326	1255	554	463	508
TZH-N444FS	1416	1345	644	553	534
TZH-N444F	1416	1345	644	553	534

SHIPPING DETAILS

TYPE	Net Weight(kg)	Gross Weight(kg)	Packing Case size(cm)
TZH-N444C	850	910	132X70X96
TZH-N444D	915	975	132X70X96
TZH-N444ES	995	1055	132X70X96
TZH-N444E	995	1055	132X70X96
TZH-N444FS	1120	1183	141X70X96
TZH-N444F	1120	1183	141X70X96

◎ All drawings and weight data are just for reference , please contact LANZHOU company if there is any doubt.



TZH-N 544 Land Use Alternator

Voltage: 120V~690V

Power: 450~825KVA

Advantage:

- Meets all requirements of the world's leading generator standards
- Self-excitation control or optional permanent magnet generator provides continuous short circuit current capability
- H class insulation ensure the generator running in dreadful conditions
- The 2/3 pitch design avoids excessive neutral current
- You can reconnect 12 ends of the terminals to meet other voltage
- Single bearing or double bearing
- Easy to install and maintenance
- Standard IP22

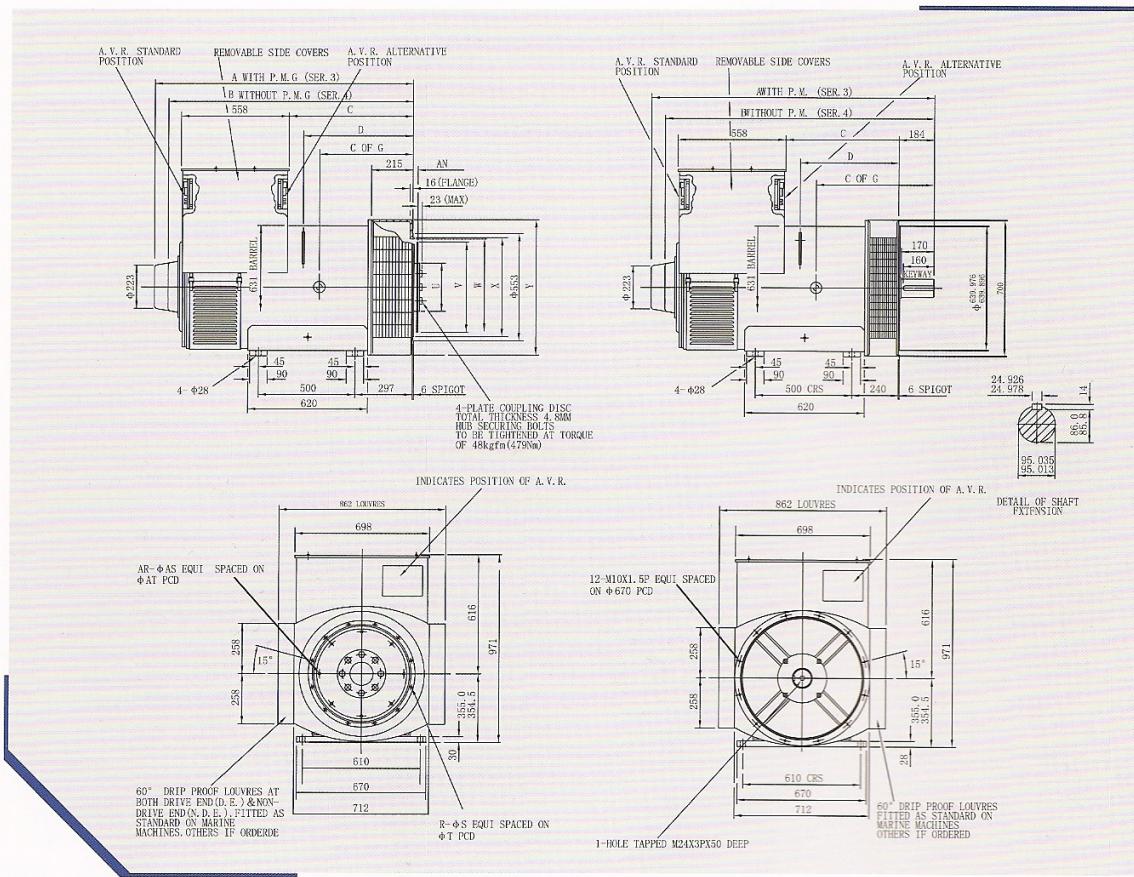
Optional Part

- Winding temperature sensor RTD
- Bearing temperature sensor RTD
- Winding temperature protection thermistors and relays
- Optional PMG supply separate excitation system power
- Optional AVR MX321 OR MX341,optional AS440 AVR Plus a three phase induction detection module can meet $\pm 0.5\%$ voltage regulation
- Anti-condensation heater
- Air filter
- Droop transformer for parallel operation
- Anti-radio interference suppressors
- Power Factor Controller PFC

TZH-N544 THREE PHASE ALTERNATOR

环境温度 Ambient Temp	50Hz(1500rpm)							60Hz(1800rpm)										
	Cont.H- 125°C/40°C			Cont.H- 150°C/40°C			Cont.H- 163°C/27°C			Cont.H- 125°C/40°C			Cont.H- 150°C/40°C					
电压 Voltage	380	400	415	380	400	415	380	400	415	416	440	480	416	440	480			
TZH-N544C Capacity(KVA)	455.0	500.0	455.0	478.0	512.0	478.0	500.0	520.0	500.0	525.0	550.0	594.0	550.0	581.0	625.0	569.0	600.0	644.0
Power(KW)	364.0	400.0	364.0	382.0	410.0	382.0	400.0	416.0	400.0	420.0	440.0	475.2	440.0	464.8	500.0	455.2	480.0	515.2
Efficiency(%)	94.0	93.8	94.4	93.8	93.7	94.2	93.6	93.6	94.1	94.0	94.1	94.2	93.8	92.9	94.0	93.6	93.7	93.9
TZH-N544D Capacity(KVA)	500.0	550.0	500.0	515.0	575.0	515.0	550.0	590.0	550.0	575.0	594.0	644.0	588.0	625.0	675.0	606.0	644.0	694.0
Power(KW)	400.0	440.0	400.0	412.0	460.0	412.0	440.0	472.0	440.0	460.0	475.2	515.2	470.4	500.0	540.0	484.8	515.2	555.2
Efficiency(%)	94.5	94.3	94.8	94.4	94.1	94.7	94.2	94.0	94.6	94.5	94.6	94.7	94.4	94.4	94.5	94.3	94.3	94.4
TZH-N544E Capacity(KVA)	600.0	610.0	600.0	636.0	640.0	636.0	660.0	665.0	660.0	681.0	713.0	750.0	719.0	750.0	800.0	738.0	769.0	819.0
Power(KW)	480.0	488.0	480.0	509.0	512.0	509.0	528.0	532.0	528.0	544.8	570.4	600.0	575.2	600.0	640.0	590.4	615.2	655.2
Efficiency(%)	94.7	94.9	95.0	94.5	94.7	94.8	94.3	94.5	94.7	94.8	94.9	95.0	94.6	94.7	94.8	94.5	94.6	94.8
TZH-N544FS Capacity(KVA)	625.0	625.0	625.0	662.4	662.4	662.4	687.5	687.5	687.5	700.0	725.0	775.0	740.8	767.0	820.0	763.0	800.0	851.1
Power(KW)	500.0	500.0	500.0	529.9	529.9	529.9	550.0	550.0	550.0	560.0	580.0	620.0	592.6	613.6	656.0	610.4	640.0	680.9
Efficiency(%)	95.0	95.1	95.2	94.4	94.6	94.6	94.2	94.4	94.6	95.0	95.1	95.1	94.5	94.4	94.7	94.4	94.6	94.6
TZH-N544F Capacity(KVA)	670.0	670.0	670.0	710.0	710.0	710.0	738.0	738.0	738.0	738.0	775.0	825.0	781.0	819.0	875.0	806.0	844.0	906.0
Power(KW)	536.0	536.0	536.0	568.0	568.0	568.0	590.0	590.0	590.0	590.0	620.0	660.0	624.8	655.2	700.0	644.8	675.2	724.8
Efficiency(%)	94.8	95.0	95.1	94.6	94.9	94.9	94.4	94.6	94.8	95.0	95.0	95.1	94.8	94.9	95.0	94.7	94.8	94.9

Note: All LANZHOU generator ratings are based on 40°C ambient temperature and within 1000 meters altitude.
Other voltage ranges of generators need to be manufactured according to needs of customer.



◎ SINGLE SUPPORTING

DIMENSIONS

	A	B	C	D	C of G
TZH-N544C	1337	1266	642	568	555
TZH-N544D	1337	1266	642	568	575
TZH-N544E	1337	1266	642	568	595
TZH-N544FS	1412	1341	717	643	620
TZH-N544F	1412	1341	717	643	620

DISC COUPLINGS

S.A.E.No	AN	AR	AS	AT	U	V
14	25.4	8	13.5	438.1	250	466.6
18	15.87	6	16.7	543.0	250	571.4
21	0	12	16.7	641.3	250	673.0

FLANGE ADAPTORS

S.A.E.No	R	S	T	W	X	X
00	12	14	850.9	772	787.3	882
0	12	14	679.5	632	647.6	711
1/2	12	14	619.1	568	584.1	700
1	12	12.7	530.2	496	511.1	700

SHIPPING DETAILS

TYPE	Net Weight(kg)	Gross Weight(kg)	Packing Case size(cm)
TZH-N544C	1250	1350	138x79x107
TZH-N544D	1358	1450	138x79x107
TZH-N544E	1498	1598	138x79x107
TZH-N544FS	1653	1753	145x79x107
TZH-N544F	1653	1753	145x79x107

◎ DOUBLE SUPPORTING

DIMENSIONS

	A	B	C	D	C of G
TZH-N544C	1464	1393	585	511	682
TZH-N544D	1464	1393	585	511	702
TZH-N544E	1464	1393	585	511	722
TZH-N544FS	1539	1468	660	586	749
TZH-N544F	1539	1468	660	586	749

SHIPPING DETAILS

TYPE	Net Weight(kg)	Gross Weight(kg)	Packing Case size(cm)
TZH-N544C	1250	1350	146x79x107
TZH-N544D	1358	1450	146x79x107
TZH-N544E	1498	1598	146x79x107
TZH-N544FS	1653	1753	153x79x107
TZH-N544F	1653	1753	153x79x107

◎ All drawings and weight data are just for reference , please contact LANZHOU company if there is any doubt.