

TOLO - KEY Steam Generator Manual



DO NOT use locking pliers to over tight the DRAIN PIPE connection

Please read the manual carefully before installation and keep the manual for further reference

1. Configuration List

Item Name	Quantity
Steam generator	1pc
Controller	1pc
3/4" diameter auto drain valve	1pc
Control cable, length 5 m	1pc
Temp. sensor, length 5 m	1pc
Steam nozzle	1pc for 3kw~ 13.5kw; 2pcs for 15kw~ 24kw.
Safety valve	1pc
English user manual	1pc

Table 1

2. Parameters

2.1. EU Type Models, parameters and dimension

(Only apply to European style voltage and phase)

Model	Power	Phase	Heating elements	Voltage / Current	Power wire	Breaker	Room volume	Dimension (L*W*H)
	kW	N	N*KW	V/A	N*mm2	A	m3	mm
TOLO-30	3.0	1	2*1.5	215-240/13.6	3*2.5	16	2~3	425*160*315
TOLO-40	4.0	1	2*2.0	215-240/18.2	3*2.5	25	3~5	
TOLO-45	4.5	1	3*1.5	215-240/20.5	3*2.5	25	3.5~5.5	
		3		380-415/6.8	5*1.5	16		
TOLO-50	5.0	1	2*1.5+1*2.0	215-240/22.7	3*2.5	32	4~6	
		3		380-415/7.6	5*1.5	16		
TOLO-60	6.0	1	3*2.0	215-240/27.3	3*4.0	40	5~7	
		3		380-415/9.1	5*1.5	16		
TOLO-70	7.0	1	2*2.5+1*2.0	215-240/31.8	3*6.0	40	5.5~8	
		3		380-415/10.6	5*2.5	16		
TOLO-75	7.5	1	3*2.5	215-240/33.75	3*6.0	60	6.5~9	
		3		380-415/11.25	5*2.5	16		
TOLO-90	9.0	3	6*1.5	380-415/13.6	5*2.5	16	8~11	475*185*450
TOLO-105	10.5	3	3*1.5+3*2.0	380-415/15.9	5*2.5	25	9~12	
TOLO-120	12.0	3	6*2.0	380-415/18.2	5*2.5	25	11~14	
TOLO-135	13.5	3	3*2.0+3*2.5	380-415/20.25	5*2.5	32	12~15	
TOLO-150	15.0	3	6*2.5	380-415/22.7	5*2.5	32	13~18	510*185*460
TOLO-165	16.5	3	6*2.0+3*1.5	380-415/24.75	5*4.0	40	14~20	
TOLO-180	18.0	3	9*2.0	380-415/27.3	5*4.0	40	16~22	
TOLO-225	22.5	3	9*2.5	380-415/34.1	5*6.0	60	19~26	
TOLO-240	24.0	3	6*2.5+3*3.0	380-415/36.4	5*6.0	60	22~30	

Table 2

2.2. USA Type Models, parameters and dimension

(Below Only apply to American style voltage and phase)

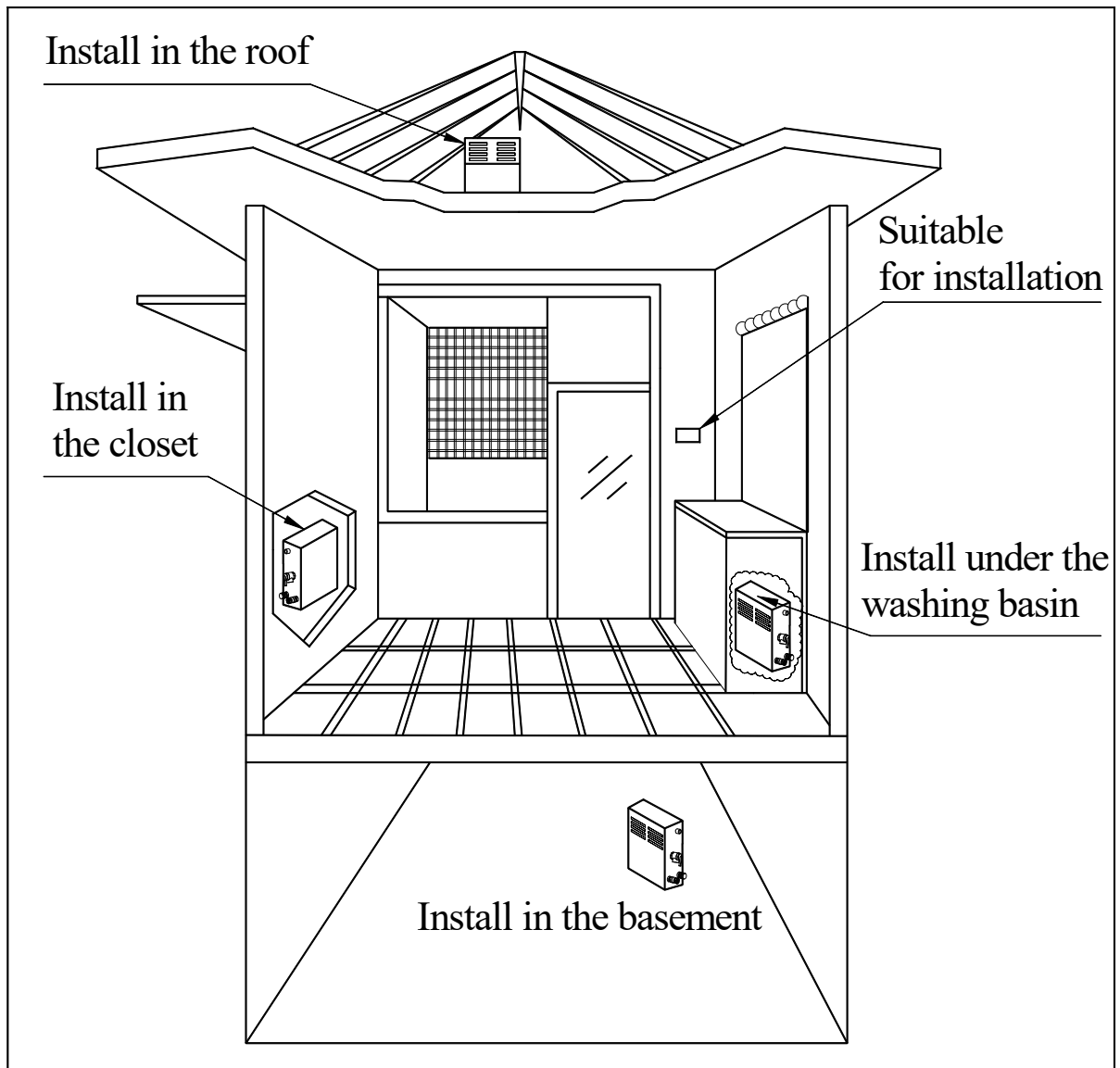
Model	Power (kW)	Phase	Voltage(V)/ Currency(A)	Heating elements (N*kW)	Power wire (N*AWG)	Room volume (m ³)	Dimension (L*W*H) (mm)
TOLO-30	3.0	1(2L)	230/13.1	2*1.5	2*10	2~3	425*160*315
TOLO-40	4.0	1(2L)	230/17.4	2*2.0	2*10	3~5	
TOLO-45	4.5	1(2L)	230/19.6	3*1.5	2*10	3.5~5.5	
TOLO-50	5.0	1(2L)	230/21.8	2*1.5+1*2.0	2*10	4~6	
TOLO-60	6.0	1(2L)	230/26.1	3*2.0	2*8	5~7	
TOLO-75	7.5	1(2L)	230/32.6	3*2.5	2*8	5.5~8	475*185*450
TOLO-90	9.0	1(2L)	230/39.2	6*1.5	2*8	8~11	
		3(3L)	230/22.6		3*8		
TOLO-105	10.5	1(2L)	230/45.7	3*1.5+3*2.0	2*6	9~12	
		3(3L)	230/26.4		3*8		
TOLO-120	12.0	1(2L)	230/52.2	6*2.0	2*4	11~14	
		3(3L)	230/30.2		3*8		
TOLO-150	15.0	3(3L)	230/37.7	6*2.5	3*8	13~18	510*185*460
TOLO-165	16.5	3(3L)	230/41.5	6*2.0+3*1.5	3*8	14~20	
TOLO-180	18.0	3(3L)	230/45.2	9*2.0	3*6	16~22	
TOLO-195	19.5	3(3L)	230/49	6*2.0+3*2.5	3*6	17~23	
TOLO-210	21.0	3(3L)	230/52.8	6*2.5+3*2.0	3*4	18~24	
TOLO-225	22.5	3(3L)	230/56.5	9*2.5	3*4	19~26	

2.3. Controller parameters and dimension

Controller model	Controlling time range (minutes)	Temperature display range	Temperature controlling range	Dimension (mm)
KSA-Elegance	1~60 or long-term (CH)	6~60°C (43°F~140°F)	35~55°C (95~131°F)	90*90*19
KSA-EA	1~60 or long-term (CH)	6~60°C (43°F~140°F)	35~55°C (95~131°F)	103*103*23
GORH	1~60 or long-term (CH)	6~60°C (43°F~140°F)	35~55°C (95~131°F)	∅ 89*19

Table 3

3. Installation





- 3kw ~ 13.5kw**
- ① Service hole 1/2"
 - ② Steam outlet
3kw~6kw: 1/2"
7kw~13.5kw: 3/4"
 - ③ Safety valve 1/2"
 - ④ Water inlet 1/2"
 - ⑤ Drain outlet 3/4"
 - ⑥ Power supply for drain valve

3KW- 13.5KW KEY Pipe Connection



- 15kw ~ 24kw**
- ① Service hole 1/2"
 - ② Steam outlet 3/4"
 - ③ Safety valve 1/2"
 - ④ Water inlet 1/2"
 - ⑤ Drain outlet 3/4"
 - ⑥ Power supply for drain valve

15KW- 24KW KEY Pipe Connection