

MODULAR CABINET BASE

ELECTRIC STEAM GENERATOR

24, 36 or 48 KW

24" (600MM) or 36" (900MM) WIDE BASE

- MODELS:** 24-EM-24 36-EM-24
 24-EM-36 36-EM-36
 24-EM-48 36-EM-48

Cleveland Standard Features

- Type 304 Stainless Steel exterior enclosure; TableTop with #4 finish
- Hinged Cabinet Door
- 6" Stainless Steel Legs with level adjustment
- Solid State Steam Generator Water Level Controls
- Low Water Power Cut-off
- Pressure Limit Controls with 15 psi Safety Valve
- Major components serviceable from the front of the unit
- Steam Generator empties under pressure (blowdown) automatically upon each Shut-Down. Automatic Water Refill on Start-Up
- Separate "Start/Reset" illuminated switch controls, plus Pressure Gauge
- Steam Generator Drain incorporates Water Cooling and "Jet Rinsing"
- Steam Generator is complete with Access Hole/Cover Plate and Sight Glass Gauge
- Secondary Low Water Cut-Off, factory installed (CALE)
(Required for AZ. AR. CA. CO. CT. DE. FL. GA. HI. IL. IA. KS. MD. MA. MI. MN. MT. NE. NV. NM. NC. OK. OR. PR. RI. TN. UT. VA. WA. WV., Buffalo, NY, Wash. DC)
- Standard voltage is 208/220 volt, 60 Hz, 3 Phase, 3 Wire
- Single cold water Connection (no hot water required)



Short Form Specifications

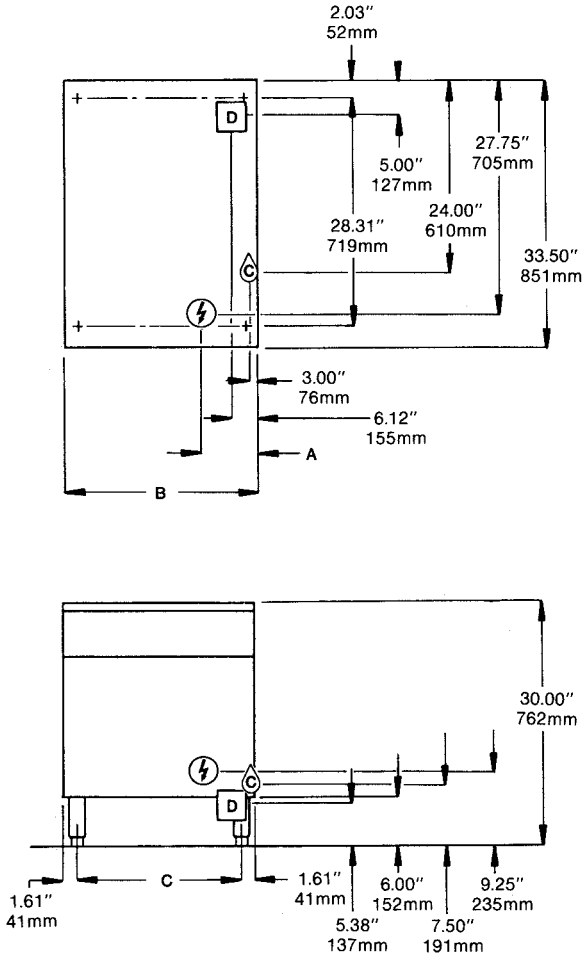
Shall be CLEVELAND Model ____ -Em ____ KW Electric Steam Generator, Modular Cabinet Base, type 304 Stainless Steel exterior enclosure, Table Top and 6" Level Adjustable Legs. Console mounted Controls, Pressure Gauge and Illuminated "Start/Reset" Control Switches. Solid State Water Level Steam Generator Controls. Steam Generator drains under pressure (blowdown) after each Shut-Down, Automatic Water Fill on Start-Up. 15 psi Safety Valve.

Options & Accessories

- Power Take-Off Kit (EPTO)
- Voltages other than standard, including: 220/240, 440/480, 575 volt
- Single Phase operation (24 KW only)
- 10" Adjustable Legs (LF10)
- Flanged Feet (FF)
- Stainless Steel Base Frame (FSS)

Steam Flow Rating of Cleveland Steam Generators

Electric KW Input	Steam Output lbs. per hour	Steam Generator H.P.
24 KW	70	2.0
36 KW	120	3.5
48 KW	150	4.3



WATER QUALITY REQUIREMENT

The recommended minimum water quality standards whether untreated or pre-treated, based upon 10 hours of use per day, and a Daily Blowdown, are as follows:

TOTAL DISSOLVED SOLIDS	less than 60 parts per million
TOTAL ALKALINITY	less than 20 parts per million
SILICA	less than 13 parts per million
pH FACTOR	greater than 7.5
CHLORINE	less than 30 parts per million

Consult a local water treatment specialist for an on site water analysis for recommendations concerning steam generator feed water treatment (if required), in order to remove or reduce harmful concentrations of minerals. The use of highly mineralized water will mean that more frequent servicing of the steam generator will be necessary. The fact that a water supply is potable is not proof that it will be suitable for the generator.

		A	B	C
24-EM	IN	7.69	23.62	20.40
	mm	195	600	518
36-EM	IN	19.50	35.43	32.21
	mm	495	900	818

ELECTRIC ⚡				WATER 💧	DRAINAGE □	CLEARANCE
KW			208V 220V 240V 480V	60 psi maximum 35 psi minimum ¼" NPT Cold Water Inlet	1 1/2" IPS common drain. Do not connect other units to this drain. Do not use PVC pipe for drain.	Right - 3", Left - 3", Rear - 3" (12" on control side if adjoining wall or equipment is over 30" high for service access) Contact factory for variances to clearances.
24	3 PHASE	AMPS PER LINE	57 63 52 26			
	1 PHASE		99 N/A 89 45			
36	3 PHASE	AMPS PER LINE	100 80 87 44			
	48		3 PHASE			
For Power Supply, use copper wire only						

NOTES:

Cleveland Range reserves right of design improvement or modification, as warranted.
Many regional, state and local codes exist and it is the responsibility of the owner and installer to comply with the codes.
Cleveland Range equipment is built to comply with applicable standards for manufacturers. Included among those approval agencies are ASME/N. Bd, UL, NSF and CSA.