

ELECTRIC TRI-LEG KETTLE



| Model | kW | Capacity | |
|--------|----|------------|-----------|
| EL-20 | 12 | 20 Gallon | 76 Litre |
| EL-30 | 15 | 30 Gallon | 114 Litre |
| EL-40 | 18 | 40 Gallon | 151 Litre |
| EL-60 | 18 | 60 Gallon | 227 Litre |
| EL-80 | 18 | 80 Gallon | 303 Litre |
| EL-100 | 24 | 100 Gallon | 379 Litre |

OPERATION SHALL BE BY:

Electrically, self-generating closed steam system operating at 50 psi (345 kPa) equipped for operation on:

- 208 VAC, 1 phase, 50/60 Hz. (12 to 18 kW only)
- 208 VAC, 3 phase, 50/60 Hz.
- 220 VAC, 1 phase, 50/60 Hz. (12 to 18 kW only)
- 220 VAC, 3 phase, 50/60 Hz.
- 240 VAC, 1 phase, 50/60 Hz. (12 to 18 kW only)
- 240 VAC, 3 phase, 50/60 Hz.
- 380/220 VAC, 3 phase, 50/60 Hz. 4 wire
- 415/240 VAC, 3 phase, 50/60 Hz. 4 wire

SPECIFICATIONS:

Shall be a CROWN Model _____, self-generating, electric, tri-leg kettle. A double wall kettle interior shall form a steam jacket around the lower 2/3 of the kettle. The jacket enclosure shall contain distilled water which is factory sealed. The bottom of the kettle shall be of hemispherical design for superior heat circulation. Kettle will be mounted on 3 stainless steel tubular legs fitted with a 4-hole adjustable foot for securing unit to the floor.

Construction shall be all welded #4 finish stainless steel, type 304. The liner on models 20 through 40 gallon shall be standard 316 for high acid content cooking. The controls shall be integrally mounted and shall include a power switch, thermostat, pilot light, low water light, vacuum/pressure gauge, safety relief valve, and low water shut off.

The kettle shall be standard with removable elements. Convenience features shall include a 2" (50 mm) draw-off valve, 20 through 40 gallon models are supplied with a hinged counterbalanced stainless steel domed cover. The 60 through 100 gallon models are supplied with a spring assist hinged stainless steel domed cover. The kettle shall be ASME Code stamped, National Board Registered, c-CSA-US and NSF certified.

The kettle shall operate in a temperature range of 165°F to 285°F (74°C to 140°C) at a maximum pressure of 50 psi (345 kPa).

OPTIONAL ITEMS AT EXTRA COST:

- Type 316 stainless steel liner for high acid cooking on 60 to 100 gallon models.
- 3" (76 mm) draw-off valve (TVS-3).
- 2" (50 mm) dairy valve (DDO-2S).
- 3" (76 mm) dairy valve (DDO-3S).
- 24 kW on 40, 60, 80 gallon.
- 33 kW on 60, 80, 100 gallon
- 380 VAC, 3 phase, 50/60 Hz.
- 415 VAC, 3 phase, 50/60 Hz.
- 480 VAC, 3 phase, 50/60 Hz.
- 600 VAC, 3 phase, 50/60 Hz.
- Spring assist hinged stainless steel cover, 20 to 40 gallon (SA-).
- Two piece hinged stainless steel cover (2PHC-).
- Etched gallon markings (GM-).
- Etched litre markings (LM-).
- Correctional package.

ACCESSORIES:

- Single pantry faucet with swing spout (SF-12).
- Double pantry faucet with swing spout (DF-12).
- One piece lift off cover (C-).
- Triple basket assembly (TBA-).
- Perforated strainer for draw-off (TPS-).
- Solid disc for draw-off (TSS-).
- Strainer hook (SH-).
- Graduated measuring strip (CMS-).
- Draw-off valve hose kit (DVHK-2).
- Calibrated thermostat dial "F".
- Calibrated thermostat dial "C".

SERVICE CONNECTIONS

⚡ – ELECTRICAL CONNECTION TO BE AS SPECIFIED ON DATA PLATE

ELECTRICAL CHARACTERISTICS

| Available kW | | | AMPS PER LINE | | | | | | | | |
|--------------|------|--------|---------------|-------|------|------|------|------|------|------|------|
| MODEL | STD. | OPT. | kW | PHASE | 208V | 220V | 240V | 380V | 415V | 480V | 600V |
| EL-20 | 12 | N/A | 12 | 1 | 57.7 | 54.5 | 50.0 | N/A | N/A | N/A | N/A |
| EL-30 | 15 | N/A | | 3 | 33.3 | 31.5 | 28.9 | 18.2 | 16.7 | 14.4 | 11.6 |
| EL-40 | 18 | 24 | 15 | 1 | 72.1 | 68.2 | 62.5 | N/A | N/A | N/A | N/A |
| EL-60 | 18 | 24, 33 | | 3 | 41.6 | 39.4 | 36.1 | 22.8 | 20.9 | 18.0 | 14.5 |
| EL-80 | 18 | 24, 33 | 18 | 1 | 86.5 | 81.8 | 75.0 | N/A | N/A | N/A | N/A |
| EL-100 | 24 | 33 | | 3 | 50.0 | 47.2 | 43.3 | 27.3 | 25.0 | 21.7 | 21.7 |
| | | | 24 | 3 | 66.6 | 63.0 | 57.7 | 36.5 | 33.4 | 28.9 | 23.1 |
| | | | 33 | 3 | 91.6 | 86.6 | 79.4 | 50.1 | 45.9 | 39.7 | 31.8 |

DIMENSIONS

| MODEL | CAPACITY | UNITS | A | B | C | D | E | F(2") | F(3") | G(2") | G(3") | H | J | K | L |
|--------|-----------------------------|--------------|-------------|-------------|------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| EL-20 | 20 U.S. gal. 76 litres | inches mm | 21 533 | 18 457 | 38 965 | 23.75 629 | 18.5 470 | 14.75 375 | 15.5 394 | 18 457 | 17.5 445 | 14 356 | 21 533 | 60.5 1537 | 16.75 425 |
| EL-30 | 30 U.S. gal. 114 litres | inches mm | 24 610 | 20 508 | 38 965 | 27.75 705 | 20 508 | 16 406 | 16.5 419 | 15.75 400 | 15.25 387 | 12.5 318 | 19 483 | 63.5 1613 | 18.312 465 |
| EL-40 | 40 U.S. gal. 152 litres | inches mm | 26 660 | 22.5 572 | 38 965 | 29.75 756 | 21 533 | 17 432 | 18 457 | 13.5 343 | 13 330 | 9 229 | 17 432 | 65 1651 | 19.938 506 |
| EL-60 | 60 U.S. gal. 227 litres | inches mm | 29.5 749 | 26 660 | 42 1067 | 33.75 857 | 19 483 | 18 457 | 19.25 489 | 14 356 | 13.5 343 | 11 280 | 17.25 438 | 75 1905 | 23.125 587 |
| EL-80 | 80 U.S. gal. 303 litres | inches mm | 33 838 | 28 711 | 45 1143 | 36.75 933 | 20.5 521 | 19.5 495 | 20.5 521 | 15 381 | 14.5 368 | 12.75 324 | 18 458 | 81 2058 | 26.25 667 |
| EL-100 | 100 U.S. gal. 379 litres | inches mm | 35.5 902 | 30 762 | 48 1219 | 40 1016 | 22 559 | 21.5 546 | 22.5 572 | 15 381 | 14.5 368 | 13 330 | 20.5 521 | 87 2210 | 29.438 748 |

SAFETY RELIEF VALVE

WALL

AIR VENT

2" VALVE:
CLOSED 5.13" (130mm)
OPENED 6.88" (175mm)

3" VALVE:
CLOSED 7.88" (200mm)
OPENED 10.13" (257mm)

OPTIONAL FAUCET
ALLOW DIMENSION "D"
ADDITIONAL 6" (152mm)

FLANGED FOOT DETAIL

4 EQUALLY SPACED
Ø7/16" [11mm] HOLES
ON 3" [76mm] B.C.

SPRING ASSIST
HINGES ON 60,80
AND 100 GALLON
KETTLES

2-1/2" ON SPRING
ASSIST HINGES

7" ON YOKE TYPE
HINGES
(STANDARD ON 20 - 40
GALLON KETTLES)

IN [mm]

| MODEL | SHIPPING WT. | MIN. CLEARANCE |
|--------|-------------------|---------------------------------|
| EL-20 | 196 lbs. [89 kg] | SIDES 3 [76mm] BACK 3 [76mm] |
| EL-30 | 226 lbs. [103 kg] | |
| EL-40 | 255 lbs. [116 kg] | |
| EL-60 | 390 lbs. [177 kg] | |
| EL-80 | 445 lbs. [202 kg] | |
| EL-100 | 480 lbs. [218 kg] | |

BRANCHEMENT DES SERVICES

⚡ – LA CONNEXION ÉLECTRIQUE SERA EFFECTUÉE TEL QUE SPÉCIFIÉ SUR LA PLAQUE SIGNALÉTIQUE.

CARACTÉRISTIQUES ÉLECTRIQUES

| kW disponibles | | | TABLEAU DES AMPÉRAGES | | | | | | | | |
|----------------|------|--------|-----------------------|-------|------|------|------|------|------|------|------|
| MODÈLE | STD. | OPT. | kW | PHASE | 208V | 220V | 240V | 380V | 415V | 480V | 600V |
| EL-20 | 12 | N/A | 12 | 1 | 57.7 | 54.5 | 50.0 | N/A | N/A | N/A | N/A |
| EL-30 | 15 | N/A | | 3 | 33.3 | 31.5 | 28.9 | 18.2 | 16.7 | 14.4 | 11.6 |
| EL-40 | 18 | 24 | 15 | 1 | 72.1 | 68.2 | 62.5 | N/A | N/A | N/A | N/A |
| EL-60 | 18 | 24, 33 | | 3 | 41.6 | 39.4 | 36.1 | 22.8 | 20.9 | 18.0 | 14.5 |
| EL-80 | 18 | 24, 33 | 18 | 1 | 86.5 | 81.8 | 75.0 | N/A | N/A | N/A | N/A |
| EL-100 | 24 | 33 | | 3 | 50.0 | 47.2 | 43.3 | 27.3 | 25.0 | 21.7 | 21.7 |
| | | | 24 | 3 | 66.6 | 63.0 | 57.7 | 36.5 | 33.4 | 28.9 | 23.1 |
| | | | 33 | 3 | 91.6 | 86.6 | 79.4 | 50.1 | 45.9 | 39.7 | 31.8 |

DIMENSIONS

| MODÈLE | CAPACITÉ | UNITÉS | A | B | C | D | E | F(2") | F(3") | G(2") | G(3") | H | J | K | L |
|--------|---------------------------|--------|------|------|-----|-------|------|-------|-------|-------|-------|-------|-------|------|--------|
| EL-20 | 20 gal. US 76 litres | pouces | 21 | 18 | 38 | 23.75 | 18.5 | 14.75 | 15.5 | 18 | 17.5 | 14 | 21 | 60.5 | 16.75 |
| | | | mm | 533 | 457 | 965 | 629 | 470 | 375 | 394 | 457 | 445 | 356 | 533 | 1537 |
| EL-30 | 30 gal. US 114 litres | pouces | 24 | 20 | 38 | 27.75 | 20 | 16 | 16.5 | 15.75 | 15.25 | 12.5 | 19 | 63.5 | 18.312 |
| | | | mm | 610 | 508 | 965 | 705 | 508 | 406 | 419 | 400 | 387 | 318 | 483 | 1613 |
| EL-40 | 40 gal. US 152 litres | pouces | 26 | 22.5 | 38 | 29.75 | 21 | 17 | 18 | 13.5 | 13 | 9 | 17 | 65 | 19.938 |
| | | | mm | 660 | 572 | 965 | 756 | 533 | 432 | 457 | 343 | 330 | 229 | 432 | 1651 |
| EL-60 | 60 gal. US 227 litres | pouces | 29.5 | 26 | 42 | 33.75 | 19 | 18 | 19.25 | 14 | 13.5 | 11 | 17.25 | 75 | 23.125 |
| | | | mm | 749 | 660 | 1067 | 857 | 483 | 457 | 489 | 356 | 343 | 280 | 438 | 1905 |
| EL-80 | 80 gal. US 303 litres | pouces | 33 | 28 | 45 | 36.75 | 20.5 | 19.5 | 20.5 | 15 | 14.5 | 12.75 | 18 | 81 | 26.25 |
| | | | mm | 838 | 711 | 1143 | 933 | 521 | 495 | 521 | 381 | 368 | 324 | 458 | 2058 |
| EL-100 | 100 gal. US 379 litres | pouces | 35.5 | 30 | 48 | 40 | 22 | 21.5 | 22.5 | 15 | 14.5 | 13 | 20.5 | 87 | 29.438 |
| | | | mm | 902 | 762 | 1219 | 1016 | 559 | 546 | 572 | 381 | 368 | 330 | 521 | 2210 |

SOUPAPE DE SÛRETÉ

MUR

ROBINET DE PURGE

ROBINET DE 2" FERMÉ 5.13"(130mm) OUVERT 6.88"(175mm)

ROBINET DE 3" FERMÉ 7.88"(200mm) OUVERT 10.13"(257mm)

ROBINET OPTIONNEL AJOUTER 6" (152mm) À LA DIMENSION "D"

| MODÈLE | POIDS D'EXPÉDITION | DÉGAGEMENT MINIMUM | |
|--------|--------------------|--------------------|----------|
| EL-20 | 196 lb. [89 kg] | CÔTÉS | 3 [76mm] |
| EL-30 | 226 lb. [103 kg] | | |
| EL-40 | 255 lb. [116 kg] | | |
| EL-60 | 390 lb. [177 kg] | | |
| EL-80 | 445 lb. [202 kg] | | |
| EL-100 | 480 lb. [218 kg] | | |
| | | ARRIÈRE | 3 [76mm] |

CHARNIÈRES À RESSORT DE RAPPEL SUR LES MARMITES 60, 80 ET 100 GALLONS

2-1/2" SUR LES CHARNIÈRES À RESSORT DE RAPPEL

7" SUR LES CHARNIÈRES DE TYPE ÉTRIER (STANDARD SUR LES MARMITES 20-40 GALLONS)

DÉTAIL DES PATTES AVEC BRIDES
4 TROUS DE 7/16" DIA. (11mm) ÉGALEMENT RÉPARTIS SUR UN DIA. DE 3" (76mm)

2599R5