

### INTRODUCING THE ALL NEW BLACKMAX<sup>®</sup> TR700 SERIES

#### The ultimate in dependability.

Designed for servicing residential and commercial refrigeration systems, the BlackMAX<sup>®</sup> TR700 is the industry's best-looking and best-performing refrigerant recovery machine incorporating non-restrictive piston manifold valves, a powerful two cylinder oil-less reciprocating compressor and twin 6" fans. The resulting system provides superior airflow and condensing, which maximizes speed in both direct liquid and direct vapor recovery.

#### KEY FEATURES

- Powerful 2 cylinder, 2/3 HP oil-less reciprocating compressor
- Exceptional compressor, condensing and cooling systems allow fast recovery in high temperature environments
- Automatic low pressure shut-off feature turns unit off when recovery is complete
- Rugged high density, double-wall, contemporary plastic housing with easy-view top mounted controls
- Designed with high temperature resistant materials
- High strength bourdon tubed gauges
- Twin fan design for ultra cool operation
- Simple inlet and outlet valve blocks
- R-410a ready with 550 psi high pressure shut-off switch
- Ergonomic well balanced design for easy transport (includes shoulder strap)
- Built-in, removable, replaceable suction filter located under suction port
- Compact design with easy 4 bolt access
- Externally serviceable valves and gauges
- Integrated component mounts for quiet operation
- Less parts provide greater reliability
- Designed and assembled in U.S.A. with U.S. and globally sourced components
- Worldwide patents pending
- 2 year warranty



TR700



| Attribute                   | TR700   | TR710 | TR700C   | TR710C | TR700JUK              | TR700J          | TR700S           | TR710S | TR700E             |  |
|-----------------------------|---|-------|----------|--------|-----------------------|-----------------|------------------|--------|--------------------|--|
| Voltage                     | 115V (60 Hz)  |       |          |        | 115V (50/60 Hz)       | 100V (50/60 Hz) | 220-240V (50 Hz) |        |                    |  |
| Motor Size (Horsepower)     | 2/3 HP  |       |          |        |                       |                 |                  |        |                    |  |
| Overload Protection         | 15 Amp  |       | 13 Amp   |        | 15 Amp                |                 | 10 Amp           |        |                    |  |
| Power Consumption           | 1000 Watts  |       |          |        |                       |                 |                  |        |                    |  |
| Tank Overfill Sensor Cord   | x   | ✓     | x        | ✓      | x                     | ✓               | x                | ✓      | x                  |  |
| High Pressure Reset Button  | x   | x     | x        | x      | x                     | x               | x                | x      | ✓                  |  |
| Suction Pressure Gauge      | Outer Scale   |       |          |        | -30 hg to 500 psig    |                 | -1 to 20 bar     |        | -0.1 To 3.5 MPA    |  |
|                             | Inner Scale   |       |          |        | -76 cm hg to 35 kg/cm |                 | -100 to 2000 kPa |        | -30 hg to 500 psig |  |
| Discharge Pressure Gauge    | Outer Scale   |       |          |        | 0 to 1000 psig        |                 | 0 to 70 bar      |        | 0 to 2000 kPa      |  |
|                             | Inner Scale   |       |          |        | 0 to 70 kg/cm         |                 | 0 to 7000 kPa    |        | 0 to 70 kg/cm      |  |
| High Pressure Shut Off      | 550 psig  |       | 450 psig |        | 38 bar                |                 | 3.8Mpa           |        | -1 to 20 bar       |  |
|                             | 38 kg/cm  |       | 31 bar   |        |                       |                 |                  |        | 0 to 70 bar        |  |
| Refrigerants                | R-12, R-22, R-134a, R-401A/B/C, R-402A/B, R-404A, R-406A, R-407A/B/C/D/E/F, R408A, R-409A, R-410A, R-411A/B, R-412A, R-500, R-502, R-507 See CPS Website for updated listing. |       |          |        |                       |                 |                  |        |                    |  |
| Operating Temperature Range | 32°F to 120° (0°C to 49° C)   |       |          |        |                       |                 |                  |        |                    |  |
| Power Cord Length, Type     | 6' (1.82 m) Detachable  |       |          |        |                       |                 |                  |        |                    |  |
| Dimensions (W x L x H)      | Inch: 9.75" x 21" x 14.0" (Cm: 24.7x 53.3x 35.6)  |       |          |        |                       |                 |                  |        |                    |  |
| Weight                      | 32 Lbs (14.5 kg)  |       |          |        |                       |                 |                  |        |                    |  |
| Approvals                   | UL, CSA. Meets Or Exceeds EPA Regulations per ARI Standard 740-98   |       |          |        |                       |                 |                  |        |                    |  |
| Warranty (Years)            | 1   |       |          |        |                       |                 |                  |        |                    |  |

\*Verified UL Flow Rate @ 60Hz (Reduce 15% for all 50Hz models)

| Refrigerant | Direct Vapor             | Direct Liquid              | Push - Pull Liquid          | High Temp Vapor Rate    |
|-------------|--------------------------|----------------------------|-----------------------------|-------------------------|
| R410a       | .70 lb/min (0.32 kg/min) | 11.94 lb/min (5.41 kg/min) | 31.7 lb/min (14.3 kg/min)   | 0.81 lb/min (37 kg/min) |
| R22         | .59 lb/min (0.27 kg/min) | 8.86 lb/min (4.02 kg/min)  | 31.52 lb/min (14.3 kg/min)  | 0.86 lb/min (39 kg/min) |
| R134a       | .49 lb/min (0.22 kg/min) | 7.8 lb/min (3.54 kg/min)   | 25.66 lb/min (11.64 kg/min) | n/a                     |
| R407c       | .53 lb/min (0.24 kg/min) | 9.50 lb/min (4.31 kg/min)  | 29.14 lb/min (13.22 kg/min) | n/a                     |

\*Evaluated for performance in accordance with Sec. 608 of the Clean Air Act (Feb 29, 1996) using AHRI-740-98 test methods. Results shown available at database.ul.com.