

# BLACKMAX®

## TR700 SERIES REFRIGERANT RECOVERY MACHINES

### INTRODUCING THE ALL NEW BLACKMAX® TR700 SERIES

#### The ultimate in dependability.

Designed for servicing residential and commercial refrigeration systems, the BlackMAX® 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 fans. The resulting system provides superior airflow and condensing, which maximizes speed in both direct liquid and direct vapor recovery.

- **Designed with high temperature materials**
- **High strength bourdon tubed gauges**
- **Twin fan design for ultra cool operation**
- **Simple inlet and outlet valve blocks**
- **2 year warranty**

### 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
- 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



TR700 shown above



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### Specifications

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						10 Amp		
Power Consumption	1000 Watts								
Tank Overfill Switch	✗	✓	✗	✓	✗			✓	✗
High Pressure Reset Button	✗	✗	✗	✗	✗	✗	✗	✗	✓
Suction Pressure Gauge	Outer Scale	-30" hg to 500 psig			-1 to 20 bar	-0.1 To 3.5 MPA	-30" hg to 500 psig		-1 to 20 bar
	Inner Scale	-76 cm hg to 35 kg/cm			-100 to 2000 kPa		-76 cm hg to 35 kg/cm		-100 to 2000 kPa
Discharge Pressure Gauge	Outer Scale	0 to 1000 psig			0 to 70 bar	0 To 5.5 Mpa	0 to 1000 psig		0 to 70 bar
	Inner Scale	0 to 70 kg/cm			0 to 7000 kPa		0 to 70 kg/cm		0 to 7000 kPa
High Pressure Shut Off	550 psig		450 psig		38 bar	3.8Mpa	550 psig		38 bar
	38 kg/cm		31 bar				38 kg/cm		
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)	n/a
R22	.59 lb/min (0.27 kg/min)	8.86 lb/min (4.02 kg/min)	31.52 lb/min (14.3 kg/min)	0.39 lb/min (17 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.