



ROBUST-AIRE DIFFUSED AERATION NO-CABINET SYSTEM

OVERVIEW

- System includes rocking piston compressor(s), mounting base, diffuser(s)
- Weighted air tubing standard on 1-3 diffuser systems; sold separately on systems with 4 or more diffusers.
- Designed for 24-hour operation with minimal maintenance
- Inlet air filter visual maintenance indicator
- Patent-pending noise-cancelling design to dramatically reduce compressor sound

COMPRESSOR

- Continuous-duty rated
- Ramped reed valve
- Heat-resistant tubing
- Paper air filter element
- UL/CSA Recognized

Teich-Aire KM-60C

- 1/4HP oilless piston compressor
- 115V (KM-60C) 3.2 amps @ 20 psi
- 230V (KM-60HC) 1.6 amps @ 20 psi
- 3.4 CFM @ 5 psi; 2.7 CFM @ 25 psi
- 40 psi pressure relief valve
- Can supply up to 2 diffuser heads

Teich-Aire KM-120C

- 1/2HP oilless piston compressor
- 115V (KM-120C) 4.0 amps @ 20 psi
- 230V (KM-120HC) 2.0 amps @ 20 psi
- 4.9 CFM @ 5 psi; 4.0 CFM @ 25 psi
- 40 psi pressure relief valve
- Can supply up to 3 diffuser heads

NO-CABINET MOUNT

- Accommodates one 1/4 or 1/2HP compressor
- Galvanized steel mounting bracket
- 16" on-center template
- 110 CFM cooling fan with guard

DIFFUSER

- Independently tested to produce the most flow
- Self-weighted stainless steel base designed to land upright every time
- Integrated tubing strain relief & rope tie-offs
- Molded plastic edge guards protect pond lining
- Proprietary linear low-density polyethylene & rubber diffuser hose
- 23" x 15.5" assembled
- Diffuser hose sits 6" above bottom of base
- Check valve

SURESINK WEIGHTED TUBING

- Available in 3/8" or 5/8" ID
- 100' rolls or 500' reels
 - 100' packages include all fittings

OPTIONAL REMOTE MANIFOLD

- Includes valve box to house remote manifold
- PVC fittings and valves to position closer to pond edge

WARRANTY

- Compressor
 - Motor: 3 years
 - Pistons: 2 years
- SureSink Tubing: 15 years
- Diffusers: Lifetime
- Cabinet: Lifetime
 - Exhaust fans: 3 years



ROBUST-AIRE DIFFUSED AERATION NO-CABINET SYSTEM

60 Hz STANDARD SYSTEM OVERVIEW

Model	Compressor(s)	# of Diffusers	Voltage/Phase	Running Amps	CFM @ 10 psi	Number of Boxes
RA1-NC	KM-60C (1/4HP)	1	115V / 1	2.5	3.2	3
RAH1-NC	KM-60HC (1/4HP)	1	208-240V / 1	1.25	3.2	3
RA2-NC	KM-60C (1/4HP)	2	115V / 1	2.5	3.2	5
RAH2-NC	KM-60HC (1/4HP)	2	208-240V / 1	1.25	3.2	5
RA3-NC	KM-120C (1/2HP)	3	115V / 1	3.5	4.8	7
RAH3-NC	KM-120HC (1/2HP)	3	208-240V / 1	1.75	4.8	7

60 Hz DOUBLE PISTON SYSTEM OVERVIEW

Model	Compressor(s)	# of Diffusers	Voltage/Phase	Running Amps	CFM @ 10 psi	Number of Boxes
RA2DP-NC	KM-120C (1/2HP)	2	115V / 1	3.5	4.8	5
RAH2DP-NC	KM-120HC (1/2HP)	2	230V / 1	1.75	4.8	5





ROBUST-AIRE DIFFUSED AERATION POST MOUNT SYSTEM

OVERVIEW

- System includes rocking piston compressor(s), cabinet, diffuser(s)
- Weighted air tubing standard on 1-3 diffuser systems; sold separately on systems with 4 or more diffusers.
- Designed for 24-hour operation with minimal maintenance
- Inlet air filter visual maintenance indicator
- Patent-pending noise-cancelling design to dramatically reduce compressor sound

COMPRESSOR

- Continuous-duty rated
- Ramped reed valve
- Heat-resistant tubing
- Paper air filter element
- UL/CSA Recognized

Teich-Aire KM-60C

- 1/4HP oilless piston compressor
- 115V (KM-60C) 3.2 amps @ 20 psi
- 230V (KM-60HC) 1.6 amps @ 20 psi
- 3.4 CFM @ 5 psi; 2.7 CFM @ 25 psi
- 40 psi pressure relief valve
- Can supply up to 2 diffuser heads

Teich-Aire KM-120C

- 1/2HP oilless piston compressor
- 115V (KM-120C) 4.0 amps @ 20 psi
- 230V (KM-120HC) 2.0 amps @ 20 psi
- 4.9 CFM @ 5 psi; 4.0 CFM @ 25 psi
- 40 psi pressure relief valve
- Can supply up to 3 diffuser heads

POST MOUNT

- Accommodates one 1/4 or 1/2HP compressor
- Powder-coated aluminum cabinet
- Internal sound-dampening foam
- Mounting template for 4x4 post or wall
- Hinged top and front cover for easy access
- 110 CFM cooling fan with guard
- 11.5" x 11.4" x 18.5"
- 6' pigtail with plug

DIFFUSER

- Independently tested to produce the most flow
- Self-weighted stainless steel base designed to land upright every time
- Integrated tubing strain relief & rope tie-offs
- Molded plastic edge guards protect pond lining
- Proprietary linear low-density polyethylene & rubber diffuser hose
- 23" x 15.5" assembled
- Diffuser hose sits 6" above bottom of base
- Check valve

SURESINK WEIGHTED TUBING

- Available in 3/8" or 5/8" ID
- 100' rolls or 500' reels
 - 100' packages include all fittings

OPTIONAL REMOTE MANIFOLD

- Includes valve box to house remote manifold
- PVC fittings and valves to position closer to pond edge

WARRANTY

- Compressor
 - Motor: 3 years
 - Pistons: 2 years
- SureSink Tubing: 15 years
- Diffusers: Lifetime
- Cabinet: Lifetime
 - Exhaust fans: 3 years



ROBUST-AIRE DIFFUSED AERATION POST MOUNT SYSTEM

60 Hz STANDARD SYSTEM OVERVIEW

Model	Compressor(s)	# of Diffusers	Voltage/Phase	Running Amps	CFM @ 10 psi	Number of Boxes
RA1-PM	KM-60C (1/4HP)	1	115V / 1	2.5	3.2	3
RAH1-PM	KM-60HC (1/4HP)	1	208-240V / 1	1.25	3.2	3
RA2-PM	KM-60C (1/4HP)	2	115V / 1	2.5	3.2	5
RAH2-PM	KM-60HC (1/4HP)	2	208-240V / 1	1.25	3.2	5
RA3-PM	KM-120C (1/2HP)	3	115V / 1	3.5	4.8	7
RAH3-PM	KM-120HC (1/2HP)	3	208-240V / 1	1.75	4.8	7

60 Hz DOUBLE PISTON SYSTEM OVERVIEW

Model	Compressor(s)	# of Diffusers	Voltage/Phase	Running Amps	CFM @ 10 psi	Number of Boxes
RA2DP-PM	KM-120C (1/2HP)	2	115V / 1	3.5	4.8	5
RAH2DP-PM	KM-120HC (1/2HP)	2	230V / 1	1.75	4.8	5





ROBUST-AIRE DIFFUSED AERATION LARGE CABINET SYSTEM

OVERVIEW

- System includes rocking piston compressor(s), cabinet, diffuser(s)
- Weighted air tubing standard on 1-3 diffuser systems; sold separately on systems with 4 or more diffusers.
- Designed for 24-hour operation with minimal maintenance
- Inlet air filter visual maintenance indicator
- Patent-pending noise-cancelling design to dramatically reduce compressor sound

COMPRESSOR

- Continuous-duty rated
- Ramped reed valve
- Heat-resistant tubing
- Paper air filter element
- UL/CSA Recognized

Teich-Aire KM-60C

- 1/4HP oilless piston compressor
- 115V (KM-60C) 3.2 amps @ 20 psi
- 230V (KM-60HC) 1.6 amps @ 20 psi
- 3.4 CFM @ 5 psi; 2.7 CFM @ 25 psi
- 40 psi pressure relief valve
- Can supply up to 2 diffuser heads

Teich-Aire KM-120C

- 1/2HP oilless piston compressor
- 115V (KM-120C) 4.0 amps @ 20 psi
- 230V (KM-120HC) 2.0 amps @ 20 psi
- 4.9 CFM @ 5 psi; 4.0 CFM @ 25 psi
- 40 psi pressure relief valve
- Can supply up to 3 diffuser heads

Teich-Aire KM-200C

- 3/4HP oilless piston compressor
- 115V (KM-200C) 6.9 amps @ 20 psi
- 230V (KM-200HC) 3.7 amps @ 20 psi
- 7.2 CFM @ 5 psi; 6.2 CFM @ 25 psi
- 25 psi pressure relief valve
- Can supply up to 3 diffuser heads

LARGE CABINET

- Accommodates one or two 1/4, 1/2, or 3/4HP compressor
- Powder-coated aluminum cabinet
- Ground pad installation recommended
- Angled and hinged top cover for easy access
- 110 CFM cooling fan for each compressor
- 20.1" x 17.1" x 23.7"
- 115V has 6' pigtail with plug

DIFFUSER

- Independently tested to produce the most flow
- Self-weighted stainless steel base designed to land upright every time
- Integrated tubing strain relief & rope tie-offs
- Molded plastic edge guards protect pond lining
- Proprietary linear low-density polyethylene & rubber diffuser hose
- 23" x 15.5" assembled
- Diffuser hose sits 6" above bottom of base
- Check valve

SURESINK WEIGHTED TUBING

- Available in 3/8" or 5/8" ID
- 100' rolls or 500' reels
 - 100' packages include all fittings

OPTIONAL REMOTE MANIFOLD

- Includes valve box to house remote manifold
- PVC fittings and valves to position closer to pond edge

WARRANTY

- Compressor
 - Motor: 3 years
 - Pistons: 2 years
- SureSink Tubing: 15 years
- Diffusers: Lifetime
- Cabinet: Lifetime
 - Exhaust fans: 3 years



ROBUST-AIRE DIFFUSED AERATION LARGE CABINET SYSTEM

60 Hz STANDARD SYSTEM OVERVIEW

Model	Compressor(s)	# of Diffusers	Voltage/Phase	Running Amps	CFM @ 10 psi	Number of Boxes
RA1	KM-60C (1/4HP)	1	115V / 1	2.5	3.2	3
RAH1	KM-60HC (1/4HP)	1	208-240V / 1	1.25	3.2	3
RA2	KM-60C (1/4HP)	2	115V / 1	2.5	3.2	5
RAH2	KM-60HC (1/4HP)	2	208-240V / 1	1.25	3.2	5
RA3	KM-120C (1/2HP)	3	115V / 1	3.5	4.8	7
RAH3	KM-120HC (1/2HP)	3	208-240V / 1	1.75	4.8	7
RA4	KM-60C (1/4HP, x2)	4	115V / 1	5	6.4	5*
RAH4	KM-60HC (1/4HP, x2)	4	208-240V / 1	2.5	6.4	5*
RA5	KM-60C & KM-120C (1/4HP, 1/2HP)	5	115V / 1	6	8	6*
RAH5	KM-60HC & KM-120HC (1/4HP, 1/2HP)	5	208-240V / 1	3	8	6*
RA6	KM-120C (1/2HP, x2)	6	115V / 1	7	9.6	7*
RAH6	KM-120HC (1/2HP, x2)	6	208-240V / 1	3.5	9.6	7*

60 Hz DOUBLE PISTON SYSTEM OVERVIEW

Model	Compressor(s)	# of Diffusers	Voltage/Phase	Running Amps	CFM @ 10 psi	Number of Boxes
RA2DP	KM-120C (1/2HP)	2	115V / 1	3.5	4.8	5
RAH2DP	KM-120HC (1/2HP)	2	230V / 1	1.75	4.8	5
RA4DP	KM-120C (1/2HP, x2)	4	115V / 1	7	9.6	5*
RAH4DP	KM-120HC (1/2HP, x2)	4	230V / 1	3.5	9.6	5*
RA5DP	KM-120C (1/2HP, x2)	5	115V / 1	7	9.6	6*
RAH5DP	KM-120HC (1/2HP, X2)	5	230V / 1	3.5	9.6	6*

60 Hz XL SYSTEM OVERVIEW

Model	Compressor(s)	# of Diffusers	Voltage/Phase	Running Amps	CFM @ 10 psi	Number of Boxes
RA4XL	KM-200 (3/4HP, x2)	4	115V / 1	12.3	13.6	5*
RAH4XL	KM-200HC (3/4HP, x2)	4	230V / 1	6.2	13.6	5*
RA5XL	KM-200 (3/4HP, x2)	5	115V / 1	12.3	13.6	6*
RAH5XL	KM-200HC (3/4HP, x2)	5	230V / 1	6.2	13.6	6*
RA6XL	KM-200 (3/4HP, x2)	6	115V / 1	12.3	13.6	7*
RAH6XL	KM-200HC (3/4HP, x2)	6	230V / 1	6.2	13.6	7*

*Tubing not included

