Single-Fan PoolPak with ECCII Annual Logsheet	
SUPERSEDES: M53SV-ALS000201	FORM NO: M53SV-EC2ALS0201

Job Name: _____ **Date:** _____
Technician Name: _____ **Ph:** _____
Model No: _____ **Serial No:** _____
Controller Serial Number: _____

PoolPak, Inc. must receive a copy of this annual log-sheet, or the extended parts warranty may be jeopardized. Fax the completed logsheet to PoolPak's Service Department. (717) 757-5085

Please note all discrepancies in the space provided at the end of this logsheet.

UNIT INSPECTION

___ 1. Check for possible refrigerant leaks, chafing between tubing or other items detrimental to operation.

___ 2. Check electrical connections in the PoolPak unit for tightness. Include all screw terminals and wiring lugs, compressor contactors and electrical box and fan starters.

___ 3. Inspect the fan bearings and belts for excessive wear. Replace if necessary.

___ 4. Check pulley alignment and adjust the belt tension on the blowers. Check that the setscrews on the locking collars and pillow-block bearings are tight and the bearings have been greased.

FAN AND DAMPER OPERATION

___ 1. To test the motorized intake and bypass dampers:

a) Set key 78 to 4 and key 77 to 100. The intake and exhaust dampers should drive fully open and the recirc damper should close.

b) Set key 77 to 0. The intake and exhaust dampers should close and the recirc damper should drive fully open.

___ 2. Replace the access panels to the blower compartments and set key 78 to 0. Record the following data:

Supply fan volts	1-2 _____V	1-3 _____V	2-3 _____V
Supply fan amps	1 _____A	2 _____A	3 _____A
Exhaust fan amps	1 _____A	2 _____A	3 _____A

___ 3. Turn on the compressor disconnect and record the compressor voltage:

Compressor 1	1-2 ____V	1-3 ____V	2-3 ____V

___ 4. Record the following data:

space temperature	(key 3)	_____°F	space RH%	(key 4)	_____ %
pool water temp #1	(key 5)	_____°F	pool water temp #2	(key 6)	_____ °F
outside air temperature	(key 7)	_____°F	outside RH%	(key 8)	_____ %
surface temperature	(key 34)	_____°F	supply temperature	(key 35)	_____ °F

AIR HEATING MODE

___ 1. To test the system performance, set key 76 to 1 and key 77 to the maximum number of heating stages (compressor and aux heat). Set the compressor switch to the "Run" position. The compressor should start in the air re-heat mode after the five-minute anti-cycle delay and the aux air heat should turn on.

___ 2. When the compressor starts it will load up between stages. Observe the suction pressure, discharge pressure and compressor amperage for abnormalities.

___ 3. After the compressor is fully loaded and operating for at least 15 minutes, record the following data:

Compressor #1 Oil Level	_____ ½	_____ ¼	_____ not visible in sight glass
Compressor #2 Oil Level	_____ ½	_____ ¼	_____ not visible in sight class

Add 3G or National 150 brand refrigerant oil to achieve a ½ full sight glass if needed.

COMPRESSOR 1

Gauge pressure:	suction _____ p.s.i.	discharge _____ p.s.i.	
Amps:	1 _____ A	2 _____ A	3 _____ A
Temps:	suction at compressor	_____ °F	
	discharge at compressor	_____ °F	
	leaving evaporator coil	_____ °F	

COMPRESSOR 2 (If applicable)

Gauge pressure:	suction _____ p.s.i.	discharge _____ p.s.i.	
Amps:	1 _____ A	2 _____ A	3 _____ A
Temps:	suction at compressor	_____ °F	
	discharge at compressor	_____ °F	
	leaving evaporator coil	_____ °F	

space temperature	(key 3)	_____°F	space RH%	(key 4)	_____ %
pool water temp #1	(key 5)	_____°F	pool water temp #2	(key 6)	_____ °F
outside air temperature	(key 7)	_____°F	outside RH%	(key 8)	_____ %
surface temperature	(key 34)	_____°F	supply temperature	(key 35)	_____ °F

POOL WATER HEATING MODE

___ 1. Be sure there is sufficient water flow to the system by checking the status of the flow switch in key 39 of the ECCII. Pool water #2 flow switch status is shown in key 40 (only present in units with two compressors or a split water system).

___ 2. To test the unit in pool water heating mode set key 78 to 1. Allow to run for ten minutes then record the following:

COMPRESSOR 1

Gauge pressure: suction _____ p.s.i. discharge _____ p.s.i.

Amps: 1 _____ A 2 _____ A 3 _____ A

COMPRESSOR 2 (If applicable)

Gauge pressure: suction _____ p.s.i. discharge _____ p.s.i.

Amps: 1 _____ A 2 _____ A 3 _____ A

space temperature	(key 3)	_____°F	space RH%	(key 4)	_____ %
pool water temp #1	(key 5)	_____°F	pool water temp #2	(key 6)	_____ °F
outside air temperature	(key 7)	_____°F	outside RH%	(key 8)	_____ %
surface temperature	(key 34)	_____°F	supply temperature	(key 35)	_____ °F

AIR COOLING MODE (If applicable)

___ 1. To test the unit in air cooling mode set key 78 to 2. If the unit is equipped with a remote air-cooled condenser, the outside temperature must be at least 59°F.

___ 2. Add refrigerant as needed to achieve clear sight glasses in the evaporator section of the PoolPak unit. Allow the unit to run for ten minutes and then record the following data:

COMPRESSOR 1

Gauge pressure: suction _____ p.s.i. discharge _____ p.s.i.

Amount of refrigerant added: _____ lbs.

Amps: 1 _____ A 2 _____ A 3 _____ A

COMPRESSOR 2 (If applicable)

Gauge pressure: suction _____ p.s.i. discharge _____ p.s.i.

Amount of refrigerant added: _____ lbs.

Amps: 1 _____ A 2 _____ A 3 _____ A

FINAL INSPECTION

Please describe the condition of the following components:

Unit exterior (rust, scratches, noticeable damage, etc.):

_____
_____
_____

Description of coils (green, white powder, dirt, debris, etc.):

_____
_____
_____

Description of fan belts (good, worn, glazed, cracked, etc.):

_____
_____
_____

Description of filters (clean, dirty, improper size, etc.):

_____
_____
_____

Were there any leaks discovered in the system(s)? Yes No

If so, Where? _____
_____
_____

Was the leak repaired? Yes No

Was refrigerant added to the system? Yes No

Amount of refrigerant added? _____Lbs.

Notes: _____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____