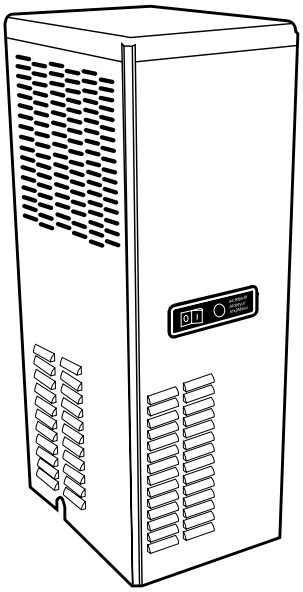
7610.724.11B 10/01

INSTRUCTION MANUAL

DEVAIR

Contents



PRO*dry*™

High Inlet Temperature refrigerated compressed air dryers

General Safety Information

⚠ CAUTION

1. Pressurized devices

This equipment is a pressure containing device.

- Do not exceed maximum operating pressure as shown on equipment serial number tag.
- Make certain equipment is depressurized before servicing.

2. Electrical

This equipment requires electricity to operate.

- Install equipment in compliance with national and local electrical codes.
- Standard equipment is supplied with NEMA 1 electrical enclosures and is not intended for installation in hazardous environments.
- Disconnect power supply to equipment when performing any electrical service work.

3. Breathing air

- Air treated by this equipment may not be suitable for breathing without further purification. Refer to OSHA standard 1910.134 for the requirements for breathing quality air.

For Sales & Service please contact:

CENTRAIR Air Systems & Supplies
Phone: 705-722-5747
Fax: 705-722-5458
Email: sales@centrair.ca
Website: www.centrair.ca

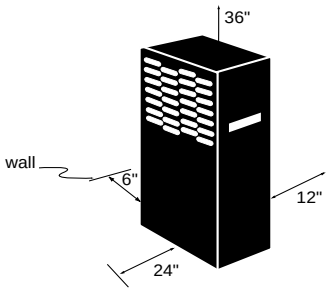
1.0 INSTALLATION

For Sales & Service Call: 705-722-5747 Ext.1

1.1 Location

A. Air compressor intake - Locate air compressor so that contaminants potentially harmful to the dryer are not drawn into the air system.

B. Free air flow - Do not block either side of the cabinet. Observe minimum installation clearances as shown.



1.2 Mounting

Dryer is suitable for floor or shelf mounting.

1.3 Piping connections

A. Air Inlet - Connect compressed air line from air compressor to air inlet using strainer supplied.

1. Install strainer (included in shipping carton) prior to dryer inlet using pipe nipple supplied or other piping as required.

NOTE: Observe flow direction arrows on strainer.

NOTE: Install strainer where it is easily accessible for cleaning.

NOTE: Use vibration dampener, if vibration exists in air line at inlet to dryer.

2. Location in the compressed air system

A. **⚠WARNING** Maximum working pressure - 175 psig, 12.3 kgf/cm^2. Do not exceed unit's Maximum Working Pressure.

1) For maximum capacity, install unit in air system at highest pressure possible (e.g. before pressure reducing valves)

2) For maximum capacity, install unit at coolest compressed air temperature possible. Maximum inlet compressed air temperature: 180°F, 82°C. If inlet air exceeds this temperature, precool the air by extending the piping between the compressor and the dryer.

B. Air Outlet - Connect air outlet to downstream air lines.

C. By-pass piping - If servicing the unit without interrupting the air supply is desired, piping should include inlet and outlet isolation valves and an air by-pass valve.

D. Condensate drain - It is advisable to connect drain outlet to the condensate drainage system.

NOTE: Drain discharge is at system pressure. Drain line should be anchored to prevent whipping.

1.4 Electrical connections

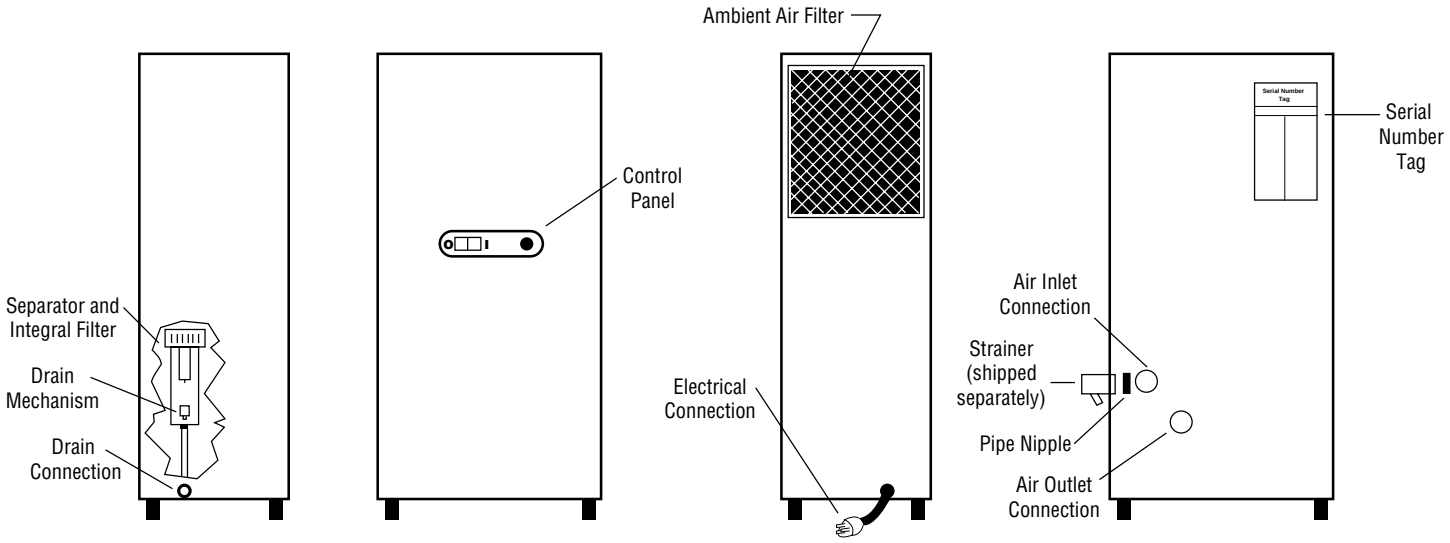
A. Dryer is designed to operate on power supply (voltage) listed on serial number tag located on the back of the dryer.

B. Dryer is supplied with an electrical cord. Install in receptacle of proper voltage.

NOTE: Models 50 and 75 (115v only) - Install plug in receptacle rated for 20 amps. Units are supplied with 20 amp plug.

Plug

NOTE: Refrigeration system is designed to run continuously and should NOT be wired to cycle on/off with the air compressor.



Left Side **Front** **Right Side** **Back**

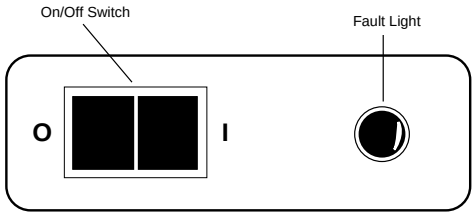
2.0 OPERATION

NOTE: Installations above 6000 feet, 1825 meters
Unit is adjusted to operate in altitudes up to 6000 feet, 1825 meters. If unit is installed in an altitude above this, and has not been preset at the factory for this altitude, contact Manufacturer's Service Department.

2.1 Start-up

Start refrigeration system by pushing the on/off switch to the ON position (depress rocker switch on side marked "I").

NOTE: The fault light may illuminate when unit is energized. Light should go out approximately 5 minutes after start-up. If light remains lit after 30 minutes or illuminates after going out, refer to Troubleshooting Guide.



Control Panel

2.2 Operating check points

Check the following on a periodic basis:

A. Rocker switch is in the ON position.

B. Amber fault light is out.

C. Condensate is being regularly discharged.

2.3 Minimum/maximum operating conditions

A. Minimum/Maximum air pressure: 20/175 psig, 1.4/12.3 kgf/cm^2

B. Maximum inlet air temperature: 180°F, 82°C

C. Minimum/Maximum ambient temperature: 35/110°F, 2/43°C

D. Maximum flow capacity

1. For dryers without an aftercooler installed upstream Flow capacity in scfm (m^3/min) @ 180°F, 82°C inlet temperature, 160°F, 71°C inlet pressure dew point, 95°F, 35°C ambient temperature, 50°F, 10°C outlet pressure dew point, and less than 5 psi, 0.35 kgf/cm^2 pressure drop.

60 HZ

Inlet Pressure psig (kgf/cm^2)		175 (12.3)	150 (10.6)	125 (8.8)	100 (7.0)
Model	20	23 (0.65)	22 (0.62)	20 (0.57)	18 (0.51)
	25	29 (0.82)	27 (0.76)	25 (0.71)	23 (0.65)
	35	41 (1.16)	38 (1.08)	35 (0.99)	32 (0.91)
	50	58 (1.64)	54 (1.53)	50 (1.42)	45 (1.27)
	75	87 (2.46)	81 (2.29)	75 (2.12)	68 (1.93)
	100	116 (3.29)	108 (3.06)	100 (2.83)	91 (2.58)
	125	145 (4.12)	135 (3.82)	125 (3.54)	114 (3.23)

50 HZ

Inlet Pressure psig (kgf/cm^2)		175 (12.3)	150 (10.6)	125 (8.8)	100 (7.0)
Model	20	20 (0.57)	18 (0.51)	17 (0.48)	15 (0.42)
	25	24 (0.68)	23 (0.65)	21 (0.59)	19 (0.54)
	35	31 (0.88)	29 (0.82)	27 (0.76)	24 (0.68)
	50	58 (1.64)	54 (1.53)	50 (1.42)	45 (1.27)
	75	71 (2.01)	66 (1.87)	61 (1.73)	55 (1.56)
	100	97 (2.75)	90 (2.55)	83 (2.35)	76 (2.15)
	125	121 (3.43)	112 (3.17)	104 (2.95)	95 (2.69)

2. For dryers with an aftercooler installed upstream Flow capacity in scfm (m^3/min) @ 100°F, 38°C inlet temperature, 100°F, 38°C inlet pressure dew point, 100°F, 38°C ambient temperature, 50°F, 10°C outlet pressure dew point, and less than 10 psi, 0.7 kgf/cm^2 pressure drop.

60 HZ

Inlet Pressure psig (kgf/cm^2)		175 (12.3)	150 (10.6)	125 (8.8)	100 (7.0)
Model	20	32 (0.91)	30 (0.85)	28 (0.79)	25 (0.71)
	25	40 (1.13)	37 (1.05)	34 (0.96)	31 (0.88)
	35	55 (1.56)	51 (1.44)	47 (1.33)	43 (1.22)
	50	78 (2.21)	73 (2.07)	67 (1.90)	61 (1.73)
	75	118 (3.34)	110 (3.12)	102 (2.89)	92 (2.61)
	100	157 (4.45)	146 (4.14)	136 (3.85)	123 (3.48)
	125	197 (5.58)	183 (5.18)	170 (4.82)	155 (4.39)

50 HZ

Inlet Pressure psig (kgf/cm^2)		175 (12.3)	150 (10.6)	125 (8.8)	100 (7.0)
Model	20	27 (0.76)	25 (0.71)	23 (0.65)	21 (0.59)
	25	33 (0.93)	31 (0.88)	29 (0.82)	26 (0.74)
	35	43 (1.22)	40 (1.13)	37 (1.05)	33 (0.93)
	50	78 (2.21)	73 (2.07)	67 (1.90)	61 (1.73)
	75	96 (2.72)	90 (2.55)	83 (2.35)	75 (2.12)
	100	131 (3.71)	122 (3.46)	113 (3.20)	102 (2.89)
	125	164 (4.65)	152 (4.31)	142 (4.02)	129 (3.65)

3.0 MAINTENANCE

⚠ CAUTION DRYER IS A PRESSURE CONTAINING DEVICE. DEPRESSURIZE BEFORE SERVICING.

3.1 Ambient air filter - Clean accumulated dust and dirt from ambient air filter monthly or more often if air flow across the condenser is impeded.

A. Remove top panel.

B. Remove ambient air filter by sliding upwards.

C. Wash with soap and water and allow to dry before re-installing.

NOTE: Do not use solvents to clean ambient air filter.

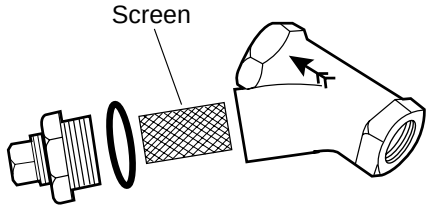
D. Reinstall filter and top panel.

3.2 Inlet strainer - clean inlet strainer monthly or more often if rapid clogging occurs.

A. Shut-off compressed air supply to the strainer and depressurize.

B. Remove screen and clean or replace.

C. Reinstall.



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3.3 Replace separator/filter element yearly or more often if pressure drop across the dryer is excessive.

A. Shut-off compressed air supply to the dryer and depressurize.

B. Remove top panel.

C. Remove two screws holding side panel and remove side panel by sliding upwards.

D. Disconnect drain tube from bulkhead fitting in cabinet base. To remove, press the plastic collar in, toward the fitting, while pulling the tube out of the fitting.

E. Remove bowl - push bowl up, turn bowl 1/8th turn to your left, and pull straight down.

F. Clean filter bowl.

G. Replace element.

1. Replacing complete element
   a) Pull off old element and discard.
   b) Make certain O-ring inside top of replacement element is in place and push element onto filter head.

2. Replacing sleeve only
   a) Pull element straight down to remove.
   b) Remove bolt and bottom cap and remove disposable filter sleeve.
   c) Clean separator core with soap and water if necessary
   d) Slide new filter sleeve over separator core and replace bottom cap and hand tighten bolt.
   e) Make certain O-ring inside top of element is in place and push element onto filter head.

H. After making sure that O-ring and wave spring inside top of bowl are in place, reassemble bowl to head.

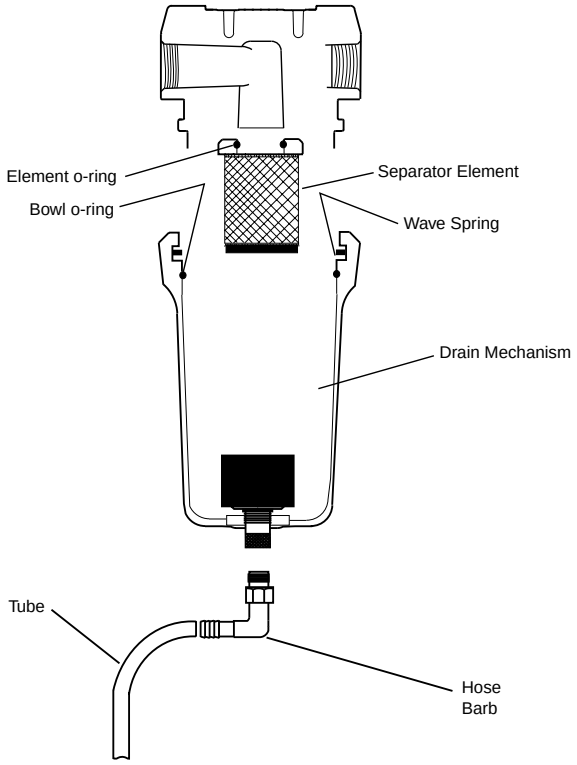
NOTE: Make certain O-ring is generously lubricated

NOTE: Wave spring ends should be pointed down to prevent the wave spring from interfering with reassembly.

I. Reconnect drain tube to bulkhead fitting by pushing tube into fitting until it locks in position.

J. Reinstall side and top panels.

K. Repressurize dryer and resume operation.



3.4 Automatic condensate drain

- Check daily to be sure automatic drain is discharging.
- Replace drain mechanism yearly.

A. Shut-off compressed air supply to the dryer and depressurize.

B. Remove top panel.

C. Remove two screws holding side panel then remove side panel by sliding upwards.

D. Disconnect drain tube from bulkhead fitting in cabinet base. To remove, press the plastic collar in, toward the fitting, while pulling the tube out of the fitting.

E. Remove bowl - push bowl up, turn 1/8th turn to your left, and pull bowl straight down.

F. Remove drain tube fitting from bottom of bowl.

G. Remove old drain mechanism by turning knurled fitting to the right (clockwise) and remove.

H. Install new drain mechanism. If necessary, use a wire or pencil to guide the new mechanism into place.

I. Reassemble drain tube fitting to bowl.

J. After making sure that large O-ring in filter head is in place, reassemble bowl to head.

K. Reconnect drain tube to bulkhead fitting by pushing tube into fitting until it locks in position.

L. Reinstall top and side panels.

M. Repressurize dryer and resume operation.

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
A) Water downstream of dryer	1. Residual free moisture remaining in downstream pipelines	Blow out system with dry air
	2. Air by-pass system is open	Check valve positions
	3. Inlet and Outlet connections are reversed	Check for correct connection
	4. Temperatures surrounding air lines downstream of dryer have dropped below dryers dew point rating.	Insulate or heat trace air lines exposed to low ambients or dry air to lower dew point
	5. Excessive free moisture (bulk liquid) at dryer inlet	Install separator ahead of dryer
	6. Condensate not being automatically drained	
	Drain mechanism is clogged or inoperative.	Replace drain mechanism if inoperative
	Drain line is restricted or frozen.	Open drain line
	7. Dryer overloaded resulting in elevated dew point.	Check inlet air temperature and pressure, flow rate (compressor capacity) and ambient air temperature
	8. Refrigeration system not functioning properly resulting in elevated dew point.	See D below
B) High pressure drop across dryer	1. Inlet air strainer clogged	Clean inlet air strainer
	2. Excessive air flow	Check flow rate
	3. Separator filter clogged.	Replace filter sleeve
	4. Freezing of moisture in evaporator because of refrigeration system improperly functioning.	See D below
C) Fault Alarm	1. Dryer overloaded resulting in high air outlet temperature.	See A 7
	2. Refrigeration system not functioning properly resulting in high air outlet temperature.	See D below
	3. Unit functioning normally but thermostatic switch is malfunctioning or not securely mounted.	Contact qualified refrigeration repairman or manufacturer's service department
D) Refrigeration system not functioning properly		
1. When dryer on/off switch in on or "I" position	a. Power failure	Check power to unit
	b. Line disconnect switch open	Close disconnect switch
	c. Blown fuses, open breaker	Check for continuity
	d. Faulty wiring, loose terminals	Have electrician check electrical connections
2. Refrigerant compressor cycles on and off	a. High or low ambient conditions	Check minimum/maximum temperature ranges
	b. Ambient air filter clogged	Clean ambient air filter
	c. Condenser fins clogged	Clean condenser
	d. Fan motor or fan control switch malfunction	Replace fan motor or fan control switch
	e. Refrigerant leak	Contact qualified refrigeration repairman or manufacturer's service department
	f. Low voltage	Check wiring

For Sales & Service Call: 705-722-5747 Ext.1

SPECIFICATIONS - Models 20 thru 75

Description			Model				
			20	**25**	**35**	**50**	**75**
Operating Conditions							
Rated Capacity	scfm	**60 / 50 Hz**	20 / 17	25 / 21	35 / 27	50 / 50	75 / 61
@125 psig, 8.8 kgf/cm²*	m³/min	**60 / 50 Hz**	0.57 / 0.48	0.71 / 0.59	0.99 / 0.76	1.42 / 1.42	2.12 / 1.7
Maximum Working Pressure			175 psig (12.3 kgf/cm²)				
Maximum Inlet Temperature			180°F (82°C)				
Min/Max. Ambient Temperature			35-110°F (2-43°C)				
Pressure Drop @	psi	**60 / 50 Hz**	4.5 / 2.9	3.3 / 2.4	4.7 / 2.9	4.5 / 4.5	3.8 / 2.2
rated capacity	(kgf/cm²)	**60 / 50 Hz**	(0.32 / 0.20)	(0.23 / 0.17)	(0.33 / 0.20)	(0.32 / 0.32)	(0.27 / 0.15)
Refrigeration System Data							
Compressor Type			Hermetic, Rotary, Permanent Split Capacitor				
BTU/HR - Refrigeration Only							
@ ASRE-T Conditions		**60 / 50 Hz**	6800 / 5500	6800 / 5500	6800 / 5500	12850 / 10100	12850 / 10100
Outlet Air Temperature							
(nominal @ rated conditions)			155°F (68°C)				
Refrigerant Type			R-407C				
Refrigerant Charge	oz (grams)	**60 / 50 Hz**	11.0 (312)	12.0 (340)	12.0 (340)	18.0 (510)	20.5 (581)
Suction Pressure Setting			67 psig (4.7 kgf/cm²)				
Factory Test (design) Pressure							
high side/low side			330/178 psig (23.2/12.5 kgf/cm²)				
Condenser Fan Switch Setting (in-out)			240-180 psig (16.9-12.7 kgf/cm²)				
Air Flow Across Condenser	cfm	**60 / 50 Hz**	280 / 235	280 / 235	280 / 235	620 /515	620 / 515
	(m³/min)	**60 / 50 Hz**	(7.9 / 6.7)	(7.9 / 6.7)	(7.9 / 6.7)	(17.6 / 14.6)	(17.6 / 14.6)
Electrical Data							
Unit	**115/1/60**						
VAC/phase/Hz			115/1/60				
Minimum/maximum volts			98-127				
Full Load AmpS (FLA)			7.9	7.9	7.9	13.0	13.0
Branch Circuit Fuse Size (amps)			15	15	15	20	20
Compressor							
Volts/phase/Hz			115/1/60				
Rated Load amps (RLA)			6.7	6.7	6.7	11.1	11.1
Locked Rotor amps (LRA)			37.0	37.0	37.0	63.0	63.0
Watts (input)			645	645	645	1250	1250
Overload			Thermal and Current (Auto Reset)				
Condenser fan motor							
Volts/phase/Watts (output)			115/1/25	115/1/25	115/1/25	115/1/35	115/1/35
Full Load Amps (FLA)			1.2	1.2	1.2	1.6	1.6
Other Loads							
Volts/amps/Watts			115/0.002/0.2	115/0.002/0.2	115/0.002/0.2	115/0.002/0.2	115/0.002/0.2
Unit	**220-240/1/50**						
VAC/phase/Hz			220-240/1/50				
Minimum/maximum volts			198-264				
Full Load Amps (FLA)			3.5	3.5	3.5	6.0	6.0
Branch Circuit Fuse Size (amps)			15	15	15	15	15
Compressor							
Volts/phase/Hz			220-240/1/50				
Rated Load amps (RLA)			2.9	2.9	2.9	5.1	5.1
Locked Rotor amps (LRA)			14.0	14.0	14.0	28.0	28.0
Watts (input)			540	540	540	990	990
Overload			Thermal and Current (Auto Reset)				
Condenser fan motor							
Volts/phase/Watts (output)			220-240/1/18.3	220-240/1/18.3	220-240/1/18.3	220-240/1/25.6	220-240/1/25.6
Full Load Amps (FLA)			0.6	0.6	0.6	0.8	0.8
Other Loads							
Volts/amps/Watts			220-240/0.002/0.4	220-240/0.002/0.4	220-240/0.002/0.4	220-240/0.002/0.4	220-240/0.002/0.4

** Capacity @ 180°F, 82°C inlet temperature, 160°F, 71°C inlet pressure dew point, 95°F, 35°C ambient temperature, 50°F, 10°C outlet pressure dew point, and less than 5 psi, 0.35 kgf/cm² pressure drop.*

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SPECIFICATIONS - Models 100 and 125

Description			Model 100	Model 125
Operating Conditions				
Rated Capacity	scfm	**60 / 50 Hz**	100 / 83	125 / 104
@125 psig, 8.8 kgf/cm²*	(m^3/min)	**60 / 50 Hz**	(2.83 / 2.35)	(3.54 / 2.95)
Maximum Working Pressure			175 psig (12.3 kgf/cm²)	
Maximum Inlet Temperature			180°F (82°C)	
Min/Max. Ambient Temperature			35-110°F (2-43°C)	
Pressure Drop @	psi	**60 / 50 Hz**	3.5 / 2.6	4.6 / 3.1
rated capacity	(kgf/cm²)	**60 / 50 Hz**	(0.25 / 0.18)	(0.32 / 0.22)
Refrigeration System Data				
Compressor Type			Hermetic, Rotary,Permanent Split Capacitor	
BTU/HR - Refrigeration Only @ ASRE-T Conditions		**60 / 50 Hz**	25100 / 20385	
Outlet Air Temperature (nominal @ rated conditions)			155°F (68°C)	
Refrigerant Type			R-407C	
Refrigerant Charge	oz (grams)	**60 / 50 Hz**	30 (851)	31 (880)
Suction Pressure Setting			67 psig (4.71 kgf/cm²)	
Factory Test (design) Pressure high side/low side			315/163 psig (22.2/11.5 kgf/cm²)	
Condenser Fan Switch Setting (in-out)			240-180 psig (16.9-12.7 kgf/cm²)	
Air Flow Across Condenser	cfm	**60 / 50 Hz**	830 / 690	
	(m^3/min)	**60 / 50 Hz**	(23.5 / 19.5)	
Electrical Data				
Unit	**208-230/1/60**			
VAC/phase/Hz			230/1/60	
Minimum/maximum volts			187-253	
Full Load Amps (FLA)			13.3	
Branch Circuit Fuse Size (amps)			20	
Compressor				
Volts/phase/Hz			208-230/1/60	
Rated Load amps (RLA)			12.2	
Locked Rotor amps (LRA)			65.8	
Watts (input)			2390	
Overload			Thermal and Current (Auto Reset)	
Condenser fan motor				
Volts/phase/Watts (output)			230/1/60	
Full Load Amps (FLA)			1.1	
Other Loads				
Volts/amps/Watts			230/0.002/0.4	
Unit	**220-240/1/50**			
VAC/phase/Hz			220-240/1/50	
Minimum/maximum volts			198-264	
Full Load Amps (FLA)			10.7	
Branch Circuit Fuse Size (amps)			15	
Compressor				
Volts/phase/Hz			220-240/1/50	
Rated Load amps (RLA)			9.6	
Locked Rotor amps (LRA)			48.5	
Watts (input)			1990	
Overload			Thermal and Current (Auto Reset)	
Condenser fan motor				
Volts/phase/Watts (output)			230/1/50	
Full Load Amps (FLA)			1.1	
Other Loads				
Volts/amps/Watts			220-240/0.002/0.4	

** Capacity @ 180°F, 82°C inlet temperature, 160°F, 71°C inlet pressure dew point, 95°F, 35°C ambient temperature, 50°F, 10°C outlet pressure dew point, and less than 5 psi, 0.35 kgf/cm² pressure drop.*

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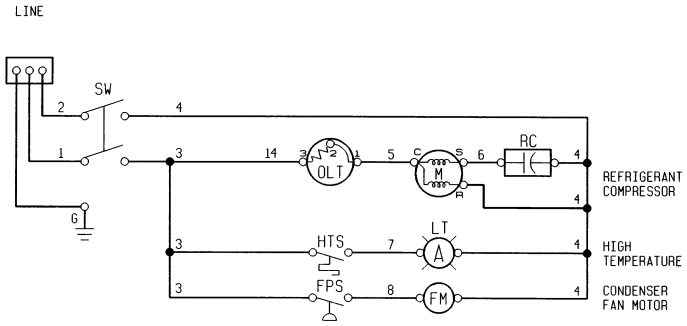
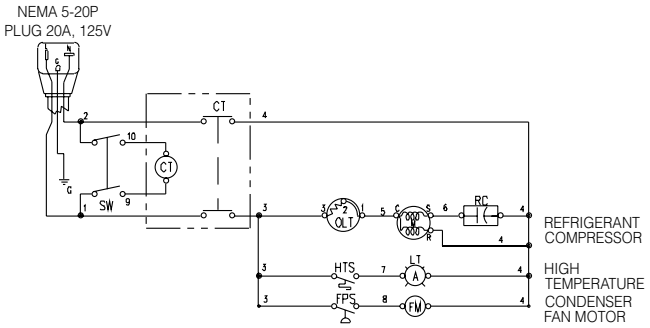
Models 20 thru 75 - All Voltages
Only Models 50 and 75 - 115-1-50/60



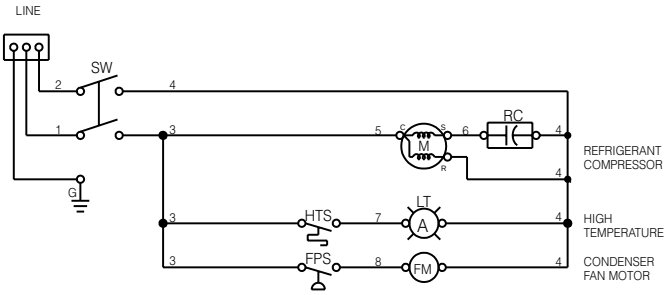
WIRING SCHEMATIC

Only Models 50 and 75 - 115-1-50/60



WIRING SCHEMATIC

Models 100 and 125 - All Voltages

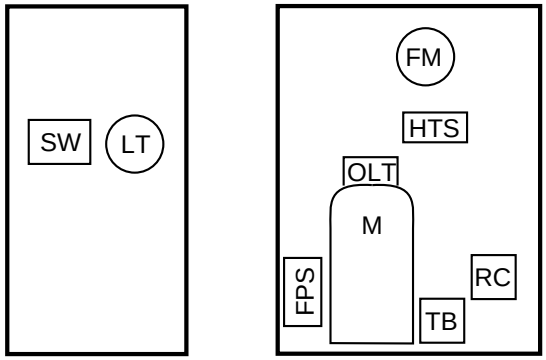


WIRING SCHEMATIC

LEGEND

SW - On/Off Switch
OLT - Thermal Overload
M - Compressor Motor
RC - Run Capacitor
HTS - High Temperature Switch
LT - Fault Light
FPS - Fan Pressure Switch
FM - Fan Motor
TB - Terminal Block
CT - Contactor w/115V Coil

Models 20 thru 125 - All Voltages

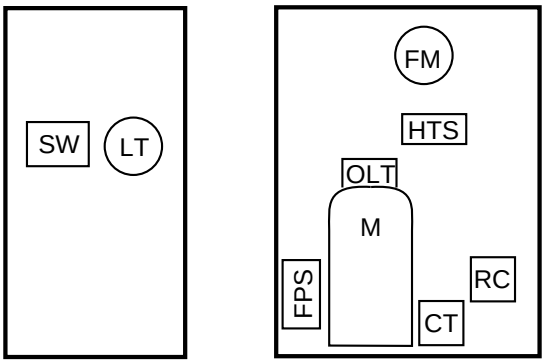


Front of Dryer (Outside)

Right Side of Dryer (Inside)

COMPONENT LOCATIONS

Only Models 50 and 75 - 115-1-50/60



Front of Dryer (Outside)

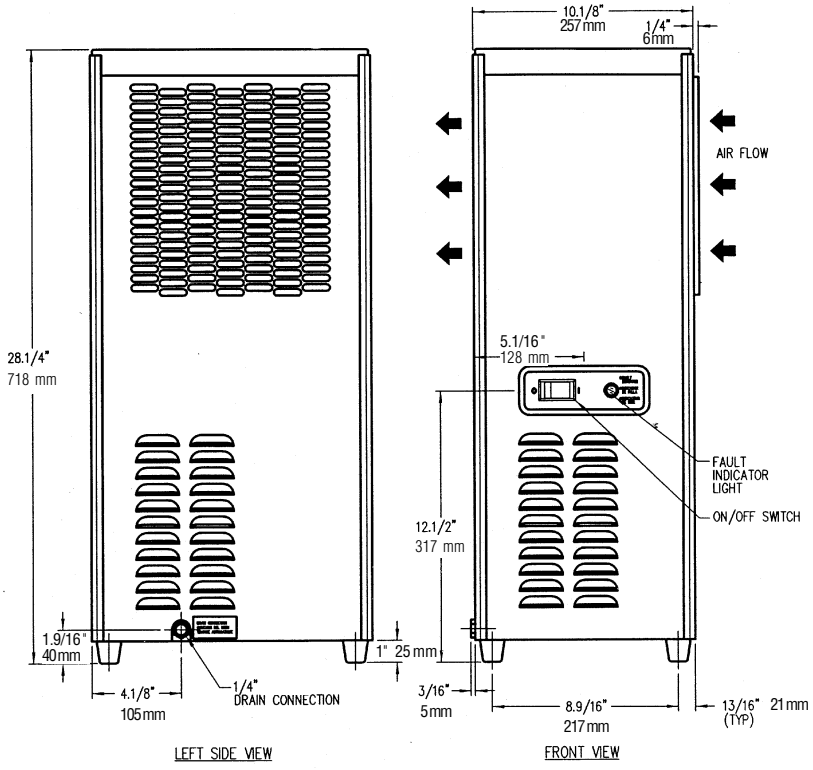
Right Side of Dryer (Inside)

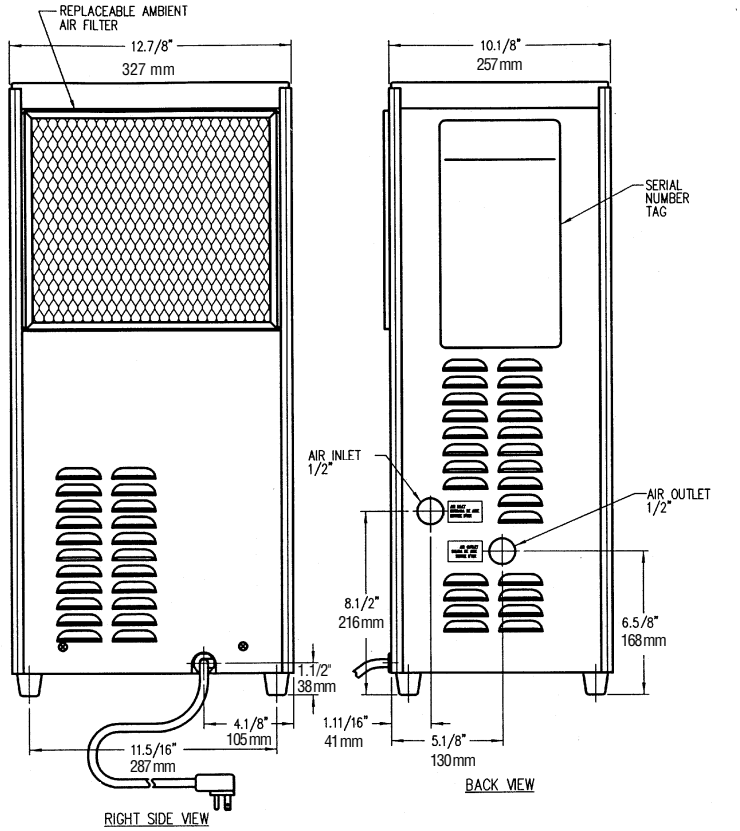
COMPONENT LOCATIONS

DIMENSIONS AND WEIGHTS

Models 20, 25, 35

Model	Weight
20	79 lbs (36 kg)
25	80 lbs (36 kg)
35	81 lbs (37 kg)





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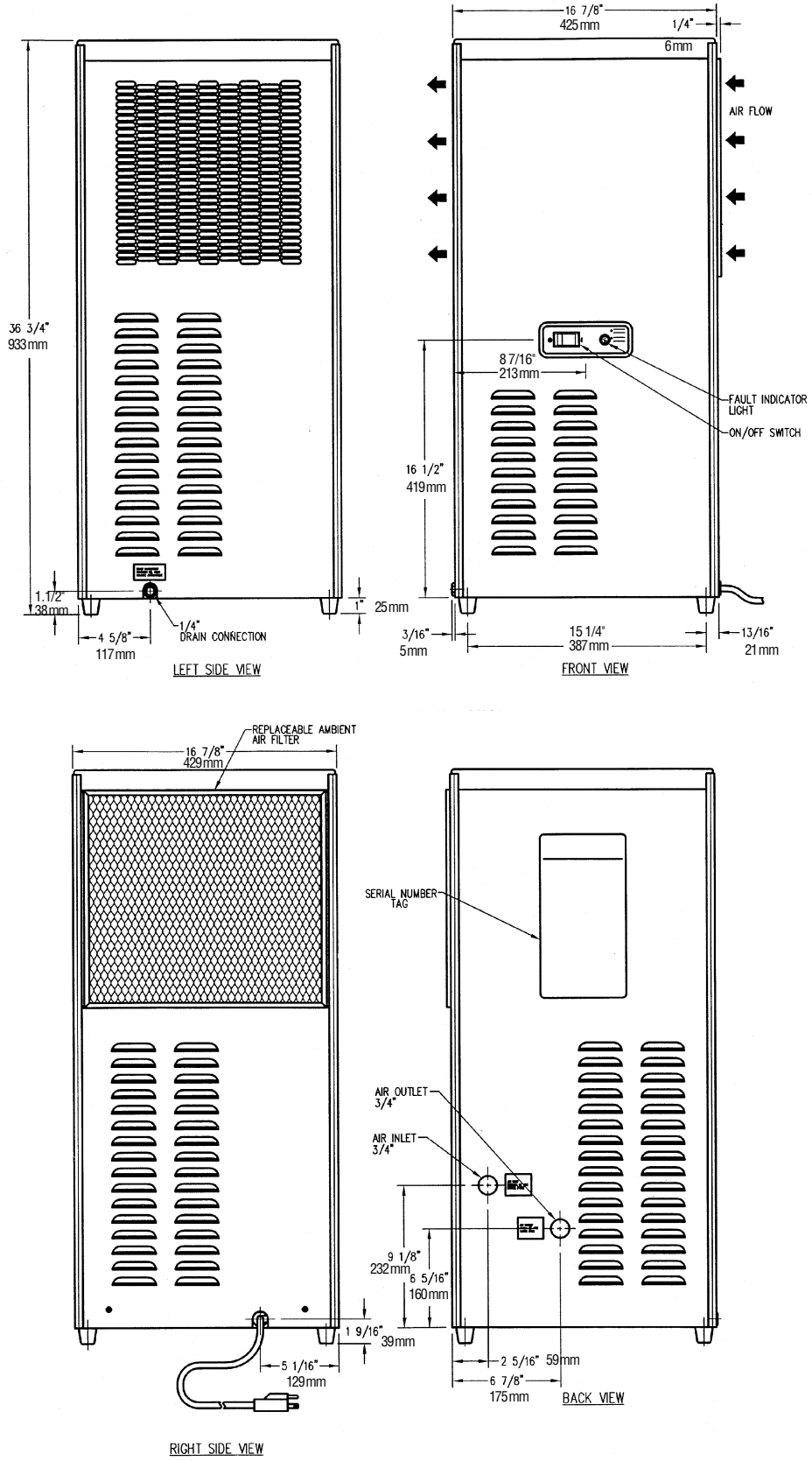
DIMENSIONS AND WEIGHTS

Models 50 and 75

Model	Weight
50	150 lbs (68 kg)
75	155 lbs (70 kg)



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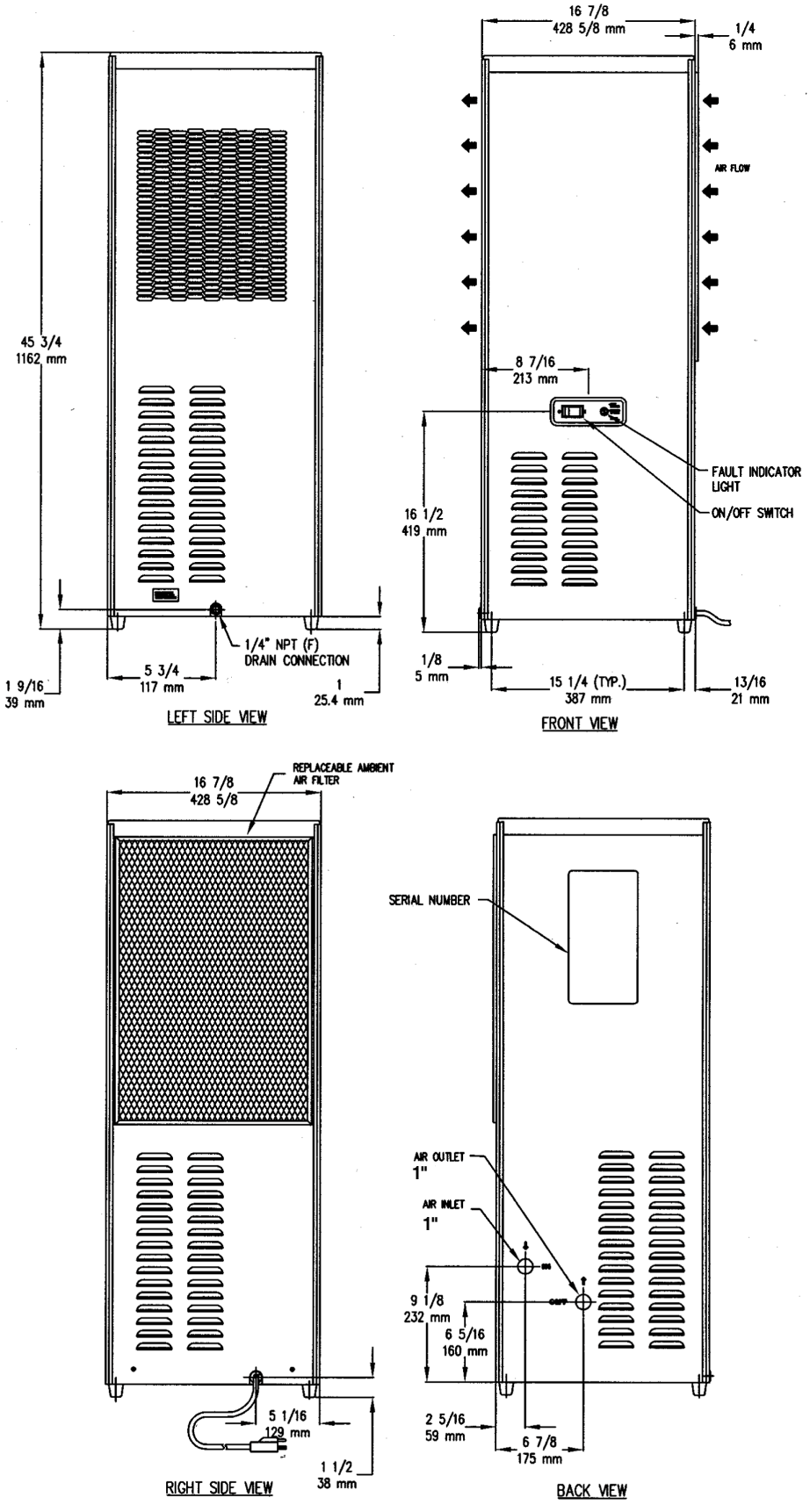
DIMENSIONS AND WEIGHTS

Models 100 and 125

Model	Weight
100	187 lbs (85 kg)
125	189 lbs (86 kg)



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PARTS LIST

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PARTS DESCRIPTION	20	25	35	50	75
Separator					
*Separator/Filter Cartridge	E9-16	E9-16	E9-16	E9-20	E9-24
Filter Sleeve	S9-16	S9-16	S9-16	S9-20	S9-24
*Drain Mechanism	05.4170-08	05.4170-08	05.4170-08	05.4170-08	05.4170-08
Bowl	03.0810-04	03.0810-04	03.0810-04	03.0810-05	03.0810-06
*O-ring Bowl	9320.552.14	9320.552.14	9320.552.14	9320.552.16	9320.552.16
Inlet (Compressed Air) Strainer					
Strainer, inlet	4731.735.1	4731.735.1	4731.735.1	4731.735.2	4731.735.2
*Screen, strainer	4731.735.5	4731.735.5	4731.735.5	4731.735.7	4731.735.7
Electrical					
Switch on/off	6110.706.7	6110.706.7	6110.706.7	6110.706.7	6110.706.7
Light, Fault (amber) **115/1/60**	6350.451.10	6350.451.10	6350.451.10	6350.451.10	6350.451.10
Light, Fault (amber) **220-240/1/50**	6350.451.11	6350.451.11	6350.451.11	6350.451.11	6350.451.11
Cord Set **115/1/60**	03.7133-10	03.7133-10	03.7133-10	03.7133-11	03.7133-11
Cord Set **230/1/60**	03.7133-24	03.7133-24	03.7133-24	03.7133-25	03.7133-25
Cord Set **220-240/1/50**	03.7133-12	03.7133-12	03.7133-12	03.7133-12	03.7133-12
Capacitor, run **115/1/60**	5910.103.17	5910.103.17	5910.103.17	5910.103.13	5910.103.13
Capacitor, run **220-240/1/50**	5910.103.18	5910.103.18	5910.103.18	5910.103.49	5910.103.50
Capacitor, run **208-230/1/60**	5910.103.18	5910.103.18	5910.103.18	5910.103.49	5910.103.49
Overload, Compressor **115/1/60**	5925.571.12	5925.571.12	5925.571.12	5925.571.15	5925.571.15
Overload, Compressor **208-230/1/60**	5925.571.13	5925.571.13	5925.571.13	5925.571.16	5925.571.16
Overload, Compressor **220-240/1/50**	5925.571.14	5925.571.14	5925.571.14	5925.571.14	5925.571.14
Switch, fault light w/conn.	03.7419-02	03.7419-02	03.7419-02	03.7419-03	03.7419-03
Condenser Fan					
Fan Motor **115/1/60**	6105.226.2	6105.226.2	6105.226.2	6105.226.7	6105.226.7
Fan Motor **220-240/1/50**	6105.226.4	6105.226.4	6105.226.4	6105.226.9	6105.226.9
Fan Motor **208-230/1/60**	6105.226.4	6105.226.4	6105.226.4	6105.226.9	6105.226.9
Fan Blade **115-1-60**	6105.378.2	6105.378.2	6105.378.2	6105.378.4	6105.378.4
Fan Blade **208-240-1-50/60**	---	---	---	6105.378.6	6105.378.6
Refrigeration System					
Compressor **115/1/60**	4130.106.67	4130.106.67	4130.106.67	4130.106.70	4130.106.70
Compressor **208-230/1/60**	4130.106.68	4130.106.68	4130.106.68	4130.106.71	4130.106.71
Compressor **220-240/1/50**	4130.106.69	4130.106.69	4130.106.69	4130.106.72	4130.106.72
Condenser	4130.112.13	4130.112.13	4130.112.13	4130.112.15	4130.112.15
Hot gas by-pass valve	4130.690.21	4130.690.21	4130.690.21	4130.690.22	4130.690.22
Filter/Dryer	4130.165.12	4130.165.12	4130.165.12	4130.165.12	4130.165.12
Fan Pressure Switch	4130.139.21	4130.139.21	4130.139.21	4130.139.21	4130.139.21
Cabinet					
*Filter, Ambient Air	4460.233.3	4460.233.3	4460.233.3	4460.233.4	4460.233.4
Grommet (light & switch, front panel)	9320.302.11	9320.302.11	9320.302.11	9320.302.11	9320.302.11
Foot, mounting	9330.230.2	9330.230.2	9330.230.2	9330.230.2	9330.230.2

** Maintenance kits for the above models are available "*" indicates items included in the kits.*

Maintenance Kits

For Dryer Models	Kit Number
20, 25, 35	HITMK4
50	HITMK6
75	HITMK5

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PARTS LIST

PARTS DESCRIPTION	100	125
Separator		
*Separator/Filter Cartridge	E9-24	E9-24
Filter Sleeve	S9-24	S9-24
*Drain Mechanism	05.4170-08	05.4170-08
Bowl	03.0810-06	03.0810-06
*O-ring	9320.522.16	9320.522.16
Strainer, inlet	4731.735.3	4731.735.3
*Screen, strainer	4731.735.8	4731.735.8
Electrical		
Switch on/off	6110.706.7	6110.706.7
Light, Fault 230v	6350.451.11	6350.451.11
Cord Set	03.7133-25	03.7133-25
Capacitor, run **230/1/60**	5910.103.50	5910.103.50
Capacitor, run **220-240/1/50**	5910.103.13	5910.103.13
Switch, fault light w/conn.	03.7419-03	03.7419-03
Condenser Fan		
Fan Motor	6105.226.9	6105.226.9
Fan Blade	6105.378.5	6105.378.5
Refrigeration System		
Compressor **230/1/60**	4130.106.73	4130.106.73
Compressor **220-240/1/50**	4130.106.74	4130.106.74
Condenser	4130.112.19	4130.112.19
Hot gas by-pass valve	4130.690.22	4130.690.22
Filter/Dryer	4130.165.12	4130.165.12
Fan Pressure Switch	4130.139.21	4130.139.21
Cabinet		
*Filter, Ambient Air	4460.233.6	4460.233.6
Grommet (light & switch, front panel)	9320.302.11	9320.302.11
Foot, mounting	9330.230.2	9330.230.2

** Maintenance kits for the above models are available "*" indicates items included in the kits.*

Maintenance Kits

For Dryer Models	Kit Number
100	RDMK3B
125	RDMK3B

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NOTES

Warranty

The manufacturer warrants the product manufactured by it, when properly installed, operated, applied and maintained in accordance with procedures and recommendations outlined in the manufacturer's instruction manuals, to be free of defects in material and workmanship for a period of one (1) year from date of purchase at the retail level by the end user, not to exceed eighteen (18) months from the date of manufacture, provided such defect is discovered and brought to the manufacturers attention within the aforesaid warranty period.

The manufacturer will repair or replace any product or part determined to be defective by the manufacturer within the warranty period, provided such defect occurred in normal service and not as the result of misapplication, misuse, abuse, neglect, incorrect maintenance, accident, or normal wear. Normal maintenance items requiring routine replacement are not warranted.

The warranty covers parts and labour for the warranty period. Repair or replacement shall be made at the sole option of the manufacturer. Any service performed on the product by anyone other than the manufacturer must first be authorized by the manufacturer. Unauthorized service voids the warranty and any resulting charge or subsequent claim will not be paid.

Products repaired or replaced under warranty shall be warranted for the unexpired portion of the warranty applying to the original product, based on the original date of purchase and/or date of manufacture, as outlined above.

There is no other expressed warranty. Implied warranties including those of merchantability and fitness for a particular purpose are limited to one (1) year from date of purchase to the extent permitted by law and any and all implied warranties are excluded. This is the exclusive remedy. Liability for consequential damages under any and all warranties are excluded to the extent exclusion is permitted by law.

This warranty gives you specific legal rights, and you may also have other rights within your jurisdiction.

This warranty does not cover:

1. Merchandise that has become inoperative because of ordinary wear, misuse, negligence, accident, or improper and unauthorized repair or alteration.
2. Costs occasioned by the removal, replacement, or repair of merchandise (other than by Devair) without previous written authorization.
3. Expenses incurred in travel or lodging beyond a 40 kilometer (25 mile) distance from the nearest Devair Authorized Service Centre, unless approved by Devair in advance.
4. Products, parts, materials, components, or accessories manufactured by others or supplied in connection with the sale of the manufacturers products.
5. Repair and transportation costs of merchandise determined not to be defective under the terms and conditions of this warranty.

All decisions by Devair Inc. with regard to this policy shall be final. Devair will not be responsible for any claimed defective materials returned other than in accordance with this statement of policy or without our prior authorization.

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