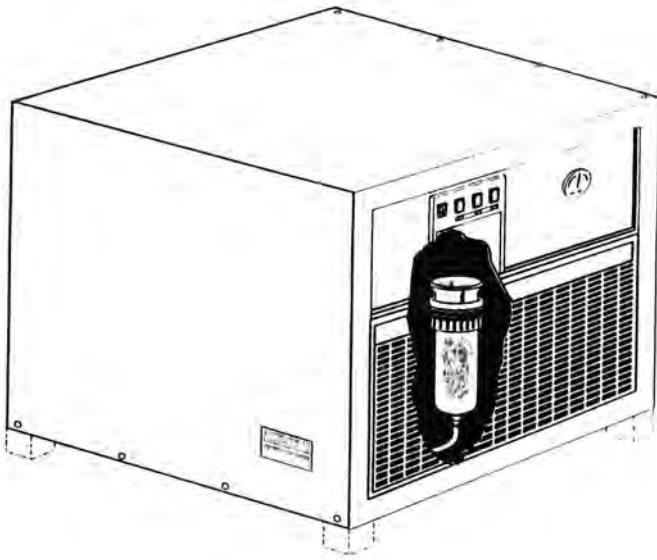


# Refrigerated Air Dryers



- \* Non-cycling
- \* Automatic condensate drain
- \* Power-on indicator
- \* High temperature indicator
- \* Self-regulating hot gas bypass valve
- \* Smooth tube-in-tube heat exchanger

### Description

The non-cycling refrigerated air dryer maintains a constant 34°F to 39°F pressure dew point at the rated capacity of the unit. The maximum working pressure is 150 PSIG @ 120°F.

The dryer is provided with a smooth tube-in-tube heat exchanger, a hermetically-sealed refrigeration system to prevent refrigerant leaks, self-regulating hot gas by-pass valve for steady temperature control, and a combination centrifugal separator and filter to remove liquid water and

### Submittal Information

particulates 3 microns and larger. The automatic condensate drain is pilot-operated for reliability.

The refrigerated air dryer is capable of dehydrating \_\_\_\_\_ SCFM<sup>1</sup> of compressed air @ 100°F saturated inlet temperature, in a maximum ambient of 100°F. The air dryer motor has \_\_\_\_\_ horsepower<sup>1</sup>, \_\_\_\_\_ volts<sup>1</sup>, \_\_\_\_\_ phase(s)<sup>1</sup>, \_\_\_\_\_ hertz<sup>1</sup>.

<sup>1</sup> Refer to ratings and sizes on pages 3-5 for unit selection.

**Add the Prefix #32 to the following catalog numbers.**

Models 63-13- _ _ _ _				
Features	0020 0021 0022	0023 thru 0028 0034	0031 0032 0033 0036 0039	0035 0037 0038
Power-On Light (Dryer Energized)	X	X	X	X
Compressor-On Light (Compressor Energized)			X	
High Temperature Warning Light	X	X	X	X
Suction Pressure Gauge		X	X	X
Head Pressure Gauge				
Inlet & Outlet Air Temperature Gauges				X
Inlet & Outlet Air Pressure Gauges				X
On-Off Switch		X	X	X
Cord Set	X	X		
115 Volt Control Circuit			X	X
Overload Protector (Thermal & Current, Auto Reset)	X	X	X	X

# Refrigerated Air Dryers

Non-cycling refrigerated air dryer complete with automatic condensate trap, power-on indicator, high evaporator temperature light, and one year warranty on parts and labor.

		Models #32-63-13XXXX					
Features/Model #		0020	0021	0022	0023	0024	0025
Flow Capacity, SCFM		5	10	15	25	35	45
Operating Conditions		Dryers rated for operation at 100°F ambient, 100°F inlet, and 100 psi inlet					
Air Connection (inlet/outlet)		3/8" OD	3/8" OD	3/8" OD	3/4" NPTM	3/4" NPTM	1" NPTM
Drain Connection		7/16 OD Flexible Tube					3/8" O. Tube
Horsepower		1/10	1/6	1/5	1/4	1/4	1/2
Full Load Amps		(115V) (230V) 2 N/A	(115V) (230V) 3.4 1.6	(115V) (230V) 4.7 3.1	(115V) (230V) 7.1 4.0	(115V) (230V) 7.1 4.0	(115V) (230V) 11.3 5.1
Locked Rotor Amps		(115V) (230V) 13.6 N/A	(115V) (230V) 1 8.0 8.7	(115V) (230V) 28.0 14.5	(115V) (230V) 40.0 16.1	(115V) (230V) 40.0 16.1	(115V) (230V) 58.8 31
Recommended Fuse or Circuit Breaker		(115V) (230V) 15 N/A	(115V) (230V) 15 15	(115V) (230V) 15 15	(115V) (230V) 15 15	(115V) (230V) 15 15	(115V) (230V) 20 15
Phase		10	10	10	10	10	10
Height	Inches	14	14	14	17	17	23-3/16
	Centimeters	35.6	5.6	35.6	43.2	43.2	58.9
Width	inches	16-118	16-1/8	16-1/8	22-1/4	22-1/4	32-1/4
	Centimeters	41.0	41.0	41.0	56.5	56.5	81.9
Depth	inches	15	15	15	16	16	19-1/2
	Centimeters	38.1	38.1	38.1	40.6	40.6	49.5
Shipping Weight (lbs)		50	57	65	101	104	186

Catalog Numbers #32-63-13-0021 to #32-63-13-0024  
Six Foot Electrical cord set type stationary. AWG 18/3 with plug, is standard for 115V models. Internal pigtailed and 1/2" knockouts are supplied with 240/220V models.

Catalog Numbers #32-63-13-0025 to #32-63-13-0028  
Equipped with internal trap assembly. All models are supplied with internal pigtailed and 1/2" knockouts as standard.

(Con't.)

# Refrigerated Air Dryers

Non-cycling refrigerated air dryer complete with automatic condensate trap, power-on indicator, high evaporator temperature light, and one year warranty on parts and labor.

Models #32-63-13-XXXX							
Features/Model #	0026	0027	0028	0034	0036	0032	
Flow Capacity, SCFM	55	70	100	125	150	200	
Operating Conditions	Dryers rated for operation at 100°F ambient, 100°F inlet, and 100 psi inlet						
Air Connection (inlet/outlet)	1" NPTM	1"NPTM	1-1/2" NPTM	1-1/2" NPTM	2" NPTM	2" NPTM	
Drain Connection	3/8" OD Flexible Tube					3/8" O. Tube	
Horsepower	1/2	3/4	3/4	3/4	3/4	1	
Full Load Amps	(115V) (23OV) 11.3 5.1	(115V) (23OV) 15.8 7.9	(115V) (23OV) 15.8 7.9	(115V) (23OV) 15.8 7.9	(115V) (23OV) 15.8 7.9	(115V) (23OV) 4.6 2.3	
Locked Rotor Amps	(115V) (23OV) 58.8 31	(115V) (23OV) 66.3 35.5	(115V) (23OV) 66.3 35.5	(115V) (23OV) 66.3 35.5	(115V) (23OV) - 36.2	(115V) (23OV) 31.9 15.4	
Recommended Fuse or Circuit Breaker	(115V) (23OV) 15 N/A	(115V) (23OV) 15 15	(115V) (23OV) 15 15	(115V) (23OV) 15 15	(115V) (23OV) 15 15	(115V) (23OV) 20 15	
Phase	10	10	10	10	10	30	
Height	Inches	23-3/16	23-3/16	23-3/16	23-3/16	36-5/8	
	Centimeters	58.9	58.9	58.9	58.9	93.2	
Width	inches	32-1/4	32-1/4	32-1/4	32-1/4	36-1/8	
	Centimeters	81.9	81.9	81.9	81.9	91.8	
Depth	inches	19-1/2	19-1/2	19-1/2	19-1/2	40-1/8	
	Centimeters	49.5	49.5	49.5	49.5	101.9	
Shipping Weight (lbs)	206	208	228	235	451	454	

(Con't.)

# Refrigerated Air Dryers

Models #32-63-13-XXXX							
Features/Model #	0039	0033	0031	0035	0037	0038	
Flow Capacity, SCFM	250	300	400	500	600	700	
Operating Conditions	Dryers rated for operation at 100°F ambient, 100°F inlet, and 100 psi inlet						
Air Connection (inlet/Outlet)	2" NPTM	2" NPTM	3" NPTM	3" NPTM	3" NPTM	3" NPTM	
Drain Connection	1/4" NPT(F)						
Horsepower	1-1/2	1-1/2	2	3	3	3	
Full Load Amps	(230V) (460V) 7.5 3.9	(230V) (460V) 7.5 3.9	(230V) (460V) 10.2 5.1	(230V) (460V) 15.1 6.8	(230V) (460V) 15.1 6.8	(230V) (460V) 15.1 6.8	
Locked Rotor Amps	(230V) (460V) 50.3 24.5	(230V) (460V) 50.3 24.5	(230V) (460V) 51.2 25.3	(230V) (460V) 74.6 36.0	(230V) (460V) 74.6 36.0	(230V) (460V) 74.6 36.0	
Recommended Fuse or Circuit Breaker	(230V) (460V) 15 15	(230V) (460V) 15 15	(230V) (460V) 20 15	(230V) (460V) 20 15	(230V) (460V) 20 15	(230V) (460V) 20 15	
Phase	30						
Height	Inches	36-5/8	36-5/8	36-5/8	65-1/4	65-1/4	65-1/4
	Centimeters	93.0	93.0	93.0	165.7	165.7	165.7
Width	Inches	36-1/8	36-1/8	36-1/8	38	38	38
	Centimeters	91.8	91.8	91.8	96.5	96.5	96.5
Depth	Inches	40-1/8	40-1/8	40-1/8	44	44	44
	Centimeters	109.1	109.1	109.1	111.8	111.8	111.8
Shipping Weight (lbs)	504	530	565	912	1024	1066	