

# LPCA SERIES SPECIFICATIONS

Constructed of heavy gauge carbon steel base primed and painted with acrylic enamel

## GENERAL DATA

Model LPCA-	1	2	3	4	5	6	7.5	10	15	20
Capacity @ 60°F (tons)	1.1	2.2	3.3	4.4	5.5	6.4	8.25	11.2	16.7	22.1
Capacity @ 50°F (tons)	.9	1.9	2.9	3.7	4.8	5.4	6.8	9.4	14	18.5
Tank Size	16	16	16	16	16	25	25	25	25	25
Pump (HP)	.75	.75	1	1	1	1.5	1.5	1.5	3	3
Connections To	1"	1"	1"	1"	1"	1.25"	1.25"	1.50"	2"	2"
Connections From	1"	1"	1"	1"	1"	1.25"	1.25"	1.50"	2"	2"
Length (in)	36	39	39	39	39	54	54	65	67	67
Width (in)	30	30	30	30	30	36	36	36	64	64
Height (in)	61.5	61.5	69.5	69.5	69.5	77.5	77.5	91	92	92
Weight (lbs.)	370	390	410	560	623	800	890	1160	1240	1330
Voltages: 208-1-60V	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No
230-3-60V	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
460-3-60V	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FLA 208/230-1-60V	11.3	16.5	23.4	27.4	37.0	N.A.	N.A.	N.A.	N.A.	N.A.
FLA 230-1-60V	N.A.	N.A.	14.27	18.27	22.07	25.54	35.74	46.54	74.5	92.8
FLA 460-3-60V	N.A.	N.A.	7.09	9.74	11.34	12.47	18.17	21.77	28.4	43.4
Shipping Weight (lbs.)										

## CONDENSING UNIT

Type	Scroll compressor
Unloading	Compressor cycling
Features	Suction gas-cooled motor, integral force feed lubrication system, motor winding protection.
Design Air Temp	90°F
Construction	Copper tubes with aluminum lanced fins
Pressure control	Fan cycling

## REFRIGERATION SPECIALTIES

Thermal expansion valve	Liquid line solenoid valve	Sight glass with moisture indicator
High pressure relief valve	Removable filter dryer	Discharge/suction line service valves

## WATER FILTER

Construction	AISI 304 stainless steel filter element with bronze or ABS body
Filter size	18 mesh

## TANK

Construction	Vented stainless steel (capacity??)
Features	Sight glass; drain; make-up connection

## EVAPORATOR

Type	Direct expansion: Brazed plate design
Construction	AISI 316L stainless steel plates with copper brazing
Insulation	Closed cell foam
Fluid Pressure Drop	<6 psig (typical)

## PUMP

Type	End suction centrifugal pump
Construction	AISI 304 stainless steel casing, impeller and shaft
Motor	TEFC with built-in overload protection
Shaft Seal	EPDM-CM w/ Viton Elastomers
Speed	60Hz, 3450 RPM
Features	Service valve; liquid-filled pressure gauge

## ELECTRICAL PANEL & CONTROL

NEMA 4 rated enclosure	Electronic temp controller	Motor starters
Low- flow cutout	Motor overload protection	Time delay low pressure cutout
Freeze stat protection	High pressure cutout	Indicator lights & switches



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