

FFAP-022Z-CFV-080

HFC, R-134a, 60Hz, 1-Phase, 208/230V

Availability: Custom US OEM Or Wholesaler

Summary

Mechanical	
Unit Height (in):	18.9
Unit Length (in):	34.0
Unit Width (in):	25.1
Ship Weight (lbs):	152.0
Condenser Type:	Air
CopeVap Water Storage:	NA
Liquid Connection Size (in)/Type:	0.375 SWEAT
Suction Connection Size (in)/Type:	0.875 SWEAT
Discharge Line Size(in):	0.5
Water Inlet (in):	
Water Outlet (in):	
Oil Type:	POE
Oil Recharge Amount (oz):	25
Electrical	
Max Fuse Size:	35
Min Circuit Ampacity:	22.4
Compressor:	ZS15KAE-PFV-118
Compressor LRA - Low:	
Compressor LRA - High:	68
Compressor LRA - Half winding:	
Compressor RLA	15.7

UL:	Listed
UL File #:	SA633
UL Guide Card:	LZFE
Amps Per Motor:	1.1
Fan Motor Quantity:	2

Air - Cooled Unit Performance

Release Date:	21-Jun-2022	Return Gas Temp. (°F):	40
Compressor:	ZS15KAE-PFV-118 x 1	Subcooling (°F):	5
Performance No:	39823	Air Flow Rate (CFM):	2526

90 °F Ambient Air Temperature

Evap Temp(°F)	Unit Capacity (BTU/hr)	Cond. Temp.(°F)	Temp. Diff.(°F)	EER(BTU/wh)
-5	6,020	99.2	9.2	4.3
0	6,820	100.3	10.3	4.7
5	7,690	101.6	11.6	5.2
10	8,630	102.8	12.8	5.6
15	9,650	104.2	14.2	6.1
20	10,800	105.7	15.7	6.7
25	12,000	107.2	17.2	7.3

Components

Part Number: 577-0056-06

Qty Per Unit: 1

Capacity (lbs):

Pressure (psi):

UI No:

Status:

Length (in):

Diameter (in):

Ref. Inlet (in):

Ref. Outlet (in):

Water Inlet (in):

Water Outlet (in):

Compressor

Model: ZS15KAE-PFV

LoLRA:

HiLRA: 68

Half Winding LRA:

Oil Type: POE

Init Oil Charge: 25

RLA(MCC/1.4): 15.7

Base Valves

Part No	Quantity
510-7111-00	1

Service Parts

Reference	Component	Quantity	Description
	013-7000-24	1	FILTER-DRIER
	024-0217-00	2	GUARD-FAN
	066-0318-07	1	CONDENSER AIR
	083-0034-02	2	BLADE-FAN
	529-0112-23	1	CABLE-CONTROLLER ASSM
	545-0025-02	1	SHROUD ASSM
	566-1179-04	1	CONDENSER GROUP
	570-7003-05	1	INDICATOR-MOISTURE
	577-0421-01	1	TANK ACCUMULATOR ASSM
	910-7111-00	1	SERV VALVE KIT 7/8 SWT
	912-2025-02	1	CONTACTOR KIT
	914-0036-03	1	CAP START KIT
	914-0037-12	1	RUN CAP KIT W/CLAMP
	918-0103-00	1	240V CCH KIT

929-0113-00	1	EUC DLT SENSOR KIT
929-0114-00	1	SUCTION PRESSURE TRANSDUCER KIT
940-0001-79	1	RELAY-POTENTIAL KIT
943-0153-00	1	230V EUC-STANDARD CONTROL
943-0155-00	1	230V EUC W/FAN CYCLING
950-0265-00	2	FAN MOTOR KIT-208/230V
977-0056-06	1	LIQUID REC ASSM TANK KIT
985-7031-01	1	HP CONTROL KIT
998-0034-01	1	ADAP KIT 3/4"SWT / 11/4 RL
ZS15KAE-PFV-818	1	WELD COMP

Emerson Climate Technologies
Integrated Products Division
60Hz Air - Cooled Unit Performance
Release Date: 21/06/2022

Unit Model: FFAP-022Z-CFV-080
Compressor: ZS15KAE-PFV-118
Condenser: 066-0318-07 x 1
Fan Motor: 050-0265-08 x 2
Fan Blade: 083-0034-02 x 2
Unit Dimensions: 34.03" L x 25.06" W x 18.88" H

COOLER AWEF

Indoor: N/A
Outdoor: N/A
Refrigerant: R-134a
Return Gas Temp. (°F): 40
Subcooling (°F): 5
Air Flow Rate (CFM): 2526
Fan Motor Power (Watt): 432
Unit Dwg. No: 496-5718-09

FREEZER AWEF

Indoor: N/A
Outdoor: N/A

Area Restrictions: 20°F Max Superheat

Performance: 90 °F Ambient Air Temperature

Evap Temp(°F)	Capacity (BTU/hr)	Power (Watts)	EER (BTU/Wh)	Cond Temp(°F)	Temp. Diff.(°F)
-5	6,020	1,406	4.3	99.2	9.2

0	6,820	1,452	4.7	100.3	10.3
5	7,690	1,492	5.2	101.6	11.6
10	8,630	1,532	5.6	102.8	12.8
15	9,650	1,572	6.1	104.2	14.2
20	10,800	1,612	6.7	105.7	15.7
25	12,000	1,642	7.3	107.2	17.2
Performance: 100 °F Ambient Air Temperature					
Evap Temp(°F)	Capacity (BTU/hr)	Power (Watts)	EER (BTU/Wh)	Cond Temp(°F)	Temp. Diff.(°F)
0	6,430	1,562	4.1	110.3	10.3
5	7,250	1,602	4.5	111.4	11.4
10	8,130	1,642	5.0	112.6	12.6
15	9,080	1,682	5.4	113.9	13.9
20	10,100	1,722	5.9	115.2	15.2
25	11,200	1,762	6.4	116.7	16.7
Performance: 110 °F Ambient Air Temperature					
Evap Temp(°F)	Capacity (BTU/hr)	Power (Watts)	EER (BTU/Wh)	Cond Temp(°F)	Temp. Diff.(°F)
5	6,810	1,722	4.0	121.4	11.4
10	7,620	1,772	4.3	122.5	12.5
15	8,500	1,812	4.7	123.7	13.7
20	9,470	1,862	5.1	124.9	14.9
25	10,500	1,902	5.5	126.3	16.3
Performance: 120 °F Ambient Air Temperature					
Evap Temp(°F)	Capacity (BTU/hr)	Power (Watts)	EER (BTU/Wh)	Cond Temp(°F)	Temp. Diff.(°F)
10	7,110	1,922	3.7	132.4	12.4
15	7,920	1,972	4.0	133.5	13.5
20	8,800	2,012	4.4	134.6	14.6
25	9,760	2,062	4.7	135.9	15.9
Performance 39823					

Emerson Climate Technologies
Integrated Products Division
60Hz Air - Cooled Unit Performance
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Fan Motor: 050-0265-08 x 2
Fan Blade: 083-0034-02 x 2
Unit Dimensions: 34.03" L x 25.06" W x 18.88" H

COOLER AWEF
Indoor: N/A
Outdoor: N/A
Refrigerant: R-134a
Return Gas Temp. (°F): 65
Subcooling (°F): 5
Air Flow Rate (CFM): 2526
Fan Motor Power (Watt): 432
Unit Dwg. No: 496-5718-09

FREEZER AWEF
Indoor: N/A
Outdoor: N/A

Area Restrictions: 20°F Max Superheat

Performance: 90 °F Ambient Air Temperature

Evap Temp(°F)	Capacity (BTU/hr)	Power (Watts)	EER (BTU/Wh)	Cond Temp(°F)	Temp. Diff.(°F)
25	12,200	1,652	7.4	107.5	17.5
30	13,500	1,682	8.0	109.2	19.2
35	14,900	1,722	8.7	110.9	20.9
40	16,500	1,762	9.4	112.9	22.9
45	18,100	1,802	10.0	114.9	24.9

Performance: 100 °F Ambient Air Temperature

Evap Temp(°F)	Capacity (BTU/hr)	Power (Watts)	EER (BTU/Wh)	Cond Temp(°F)	Temp. Diff.(°F)
25	11,500	1,772	6.5	116.9	16.9
30	12,700	1,812	7.0	118.5	18.5
35	14,100	1,852	7.6	120.1	20.1
40	15,600	1,902	8.2	121.9	21.9
45	17,100	1,952	8.8	123.8	23.8

Performance: 110 °F Ambient Air Temperature

Evap Temp(°F)	Capacity (BTU/hr)	Power (Watts)	EER (BTU/Wh)	Cond Temp(°F)	Temp. Diff.(°F)
25	10,800	1,912	5.6	126.6	16.6
30	12,000	1,952	6.1	128	18.0
35	13,200	2,002	6.6	129.5	19.5
40	14,600	2,052	7.1	131.2	21.2
45	16,100	2,112	7.6	133	23.0
Performance: 120 °F Ambient Air Temperature					
Evap Temp(°F)	Capacity (BTU/hr)	Power (Watts)	EER (BTU/Wh)	Cond Temp(°F)	Temp. Diff.(°F)
25	10,100	2,072	4.9	136.2	16.2
30	11,200	2,122	5.3	137.5	17.5
35	12,300	2,172	5.7	138.9	18.9
40	13,600	2,232	6.1	140.5	20.5
45	15,000	2,292	6.5	142.1	22.1
Performance 39822					

NOTES:

1. ALL OPENINGS MUST BE CAPPED OR PLUGGED.
2. UNIT PUMPDOWN CAPACITY AT 90%

R-12

17.7 LBS

R-22

16.0 LBS

R-134a

16.2 LBS

R-404A

13.9 LBS

R-407A

15.3 LBS

R-407C

15.2 LBS

R-502

16.2 LBS

R-507

13.9 LBS

R-448A

14.7 LBS

R-449A

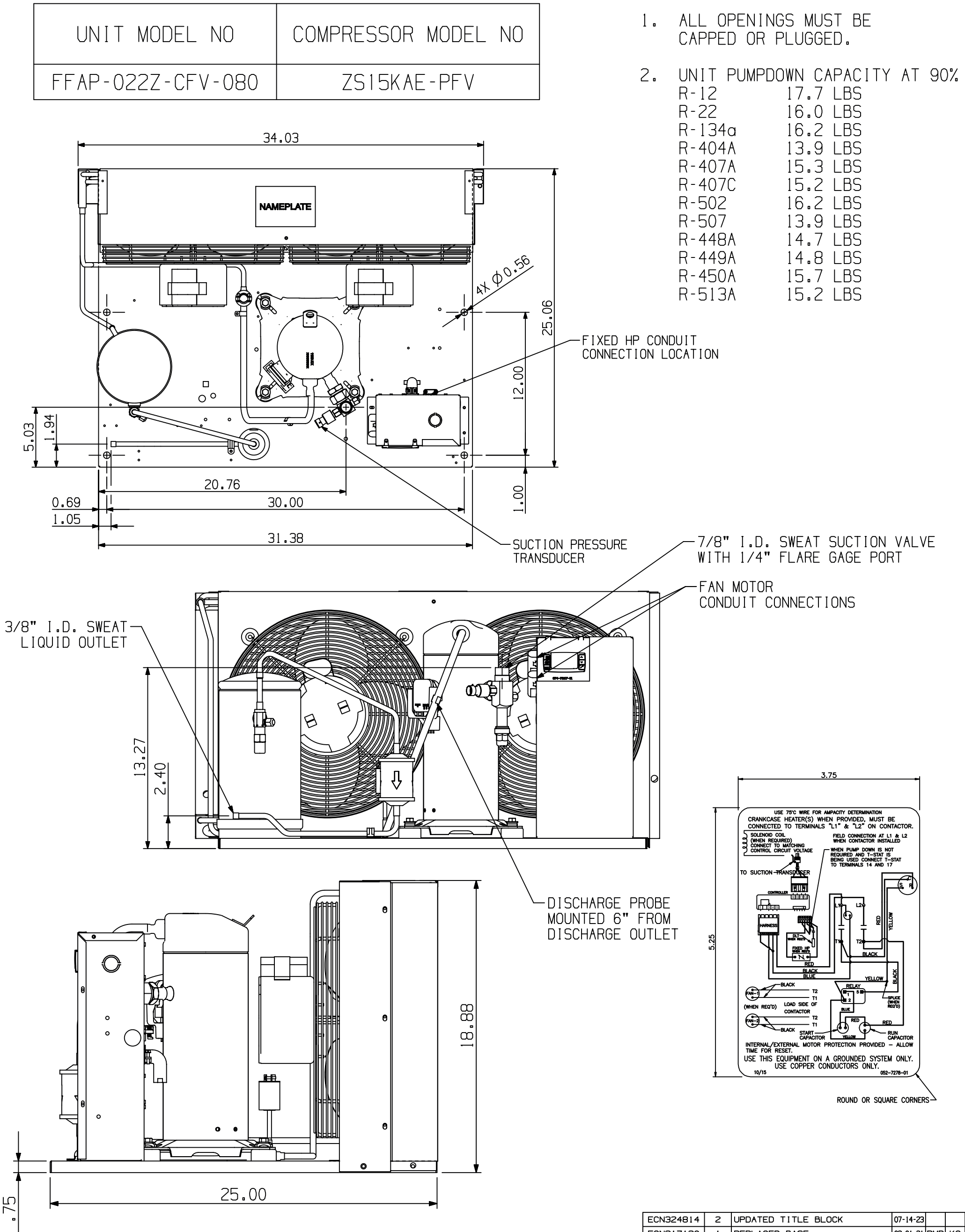
14.8 LBS

R-450A

15.7 LBS

R-513A

15.2 LBS



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