

**APPROVALS**



**ENGINEERING CODE**  
542HD5204AA

**APPROVED REFRIGERANT**  
R134a

**POWER SUPPLY**  
208 - 230V 60Hz ~

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
M/HBP

**COOLING CAPACITY**  
10564 Btu/h

**EFFICIENCY**  
6.65 Btu/Wh

**DATA**

**General Data**

<b>Weight</b>	82.7 Lb
<b>Receiver</b>	140.4 in <sup>3</sup>
<b>Height</b>	13 in
<b>Length</b>	19 in
<b>Width</b>	16 in
<b>Power Supply</b>	208 - 230 V 60 Hz

**Electrical Data**

<b>Motor Type</b>	CSR
<b>Locked Rotor Amperage (LRA)</b>	41 A
<b>Max Current</b>	9.5 A

**Spare Parts**

<b>Condenser</b>	3R12T	2451140
<b>Electrical Kit</b>	ELKOM NJ6226Z	142HD1404A
<b>Valve Suction</b>	FLARE 5/8"	2110058
<b>Valve Discharge</b>	FLARE 3/8"	2110056
<b>Fan Kit</b>	25W 275/31/5B	1996691
<b>Compressor</b>	NJ6226Z	142HD15..AC

## Fan Motor

<b>Number</b>	1
<b>Shaft Power</b>	25 W
<b>Air Flow</b>	25427 ft <sup>3</sup> /h
<b>Blade diameter</b>	11 in

### PERFORMANCE

## Rated Points

Ambient Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Efficiency
89.60°F	44.96°F	10564 Btu/h	1584 W	7.87 A	6.65 Btu/Wh

Test Condition ASHRAE: Evaporating temp. 44.96°F, Ambient temp. 89.60°F, Return Gas 89.6 °F, Subcooling 3K

## Performance Curve Data

### Ambient Temperature 77°F

Evaporating Temperature °F	Cooling Capacity Btu/h	Power Consumption W	Current A	Efficiency Btu/Wh
5	5120	848	4.46	6.04
23	7938	1104	5.65	7.2
32	9431	1259	6.4	7.51
41	10949	1444	7.24	7.57
44	11619	1536	7.64	7.57
50	12467	1665	8.18	7.47

Test Condition ASHRAE: Evaporating temp. 44.96°F, Ambient temp. 77.00°F, Return Gas 89.6 °F, Subcooling 3K

### Ambient Temperature 89°F

Evaporating Temperature °F	Cooling Capacity Btu/h	Power Consumption W	Current A	Efficiency Btu/Wh
5	4654	878	4.6	5.29
23	7217	1134	5.82	6.38
32	8577	1294	6.58	6.62
41	9957	1487	7.45	6.69
44	10564	1584	7.87	6.65
50	11333	1720	8.44	6.59

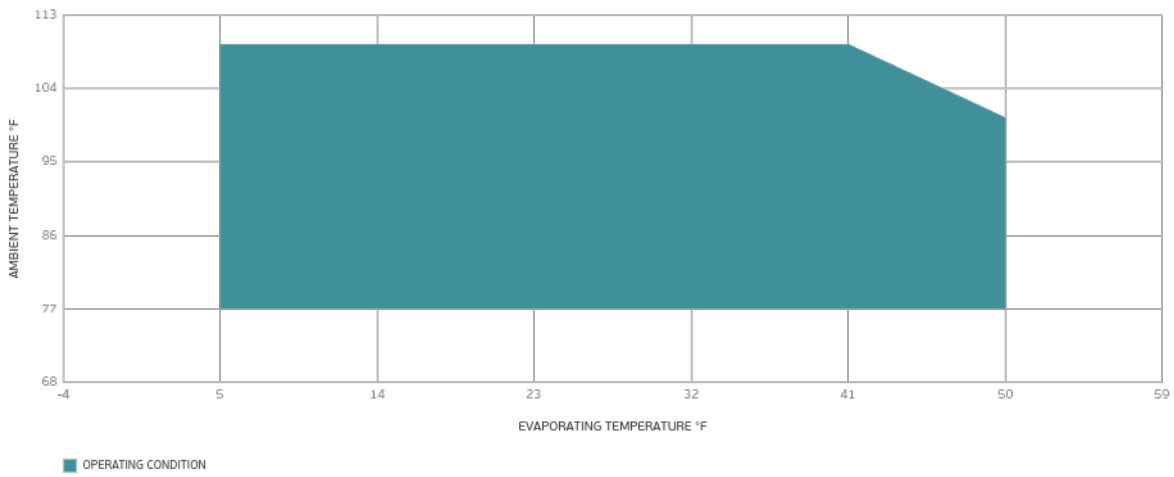
Test Condition ASHRAE: Evaporating temp. 44.96°F, Ambient temp. 89.60°F, Return Gas 89.6 °F, Subcooling 3K

## Ambient Temperature 109°F

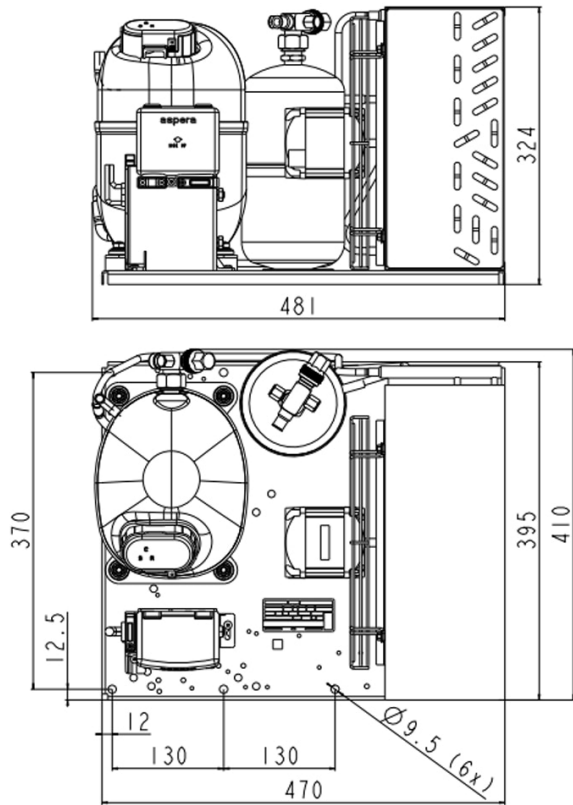
Evaporating Temperature °F	Cooling Capacity Btu/h	Power Consumption W	Current A	Efficiency Btu/Wh
5	3958	929	4.88	4.27
23	6133	1203	6.17	5.08
32	7290	1380	7	5.29
41	8461	1595	7.95	5.32
44	8974	1703	8.41	5.25
50	9622	1855	9.03	5.19

Test Condition ASHRAE: Evaporating temp. 44.96°F, Ambient temp. 109.40°F, Return Gas 89.6 °F, Subcooling 3K

## Operating Envelope



## External Dimensions



## Wiring Diagram

