# COMPRESSOR MODEL NUMBER SYSTEM

H 2 9 B 18U A B C A

Mounting Feet Dim .....A = 7.5 x 7.5 B = 4.8 x 8.0 C = 8.4 x 9.8 D = 6.12 x 8.0 E = 9.5 x 9.5
.....F = 10.5 x 10.5 H = 7.5 x 21.5 J = 7.5 x 22.5 X = 8.8 x 6.1

Electrical Characteristics.....A= 115-1-60 M= 220/200-3-50
.....B= 230-1-60 N= 380/415-3-50
.....C= 230/208-1-60 P= 240/200-1-50
.....D= 230/208-3-60 (220/200-3-50) T= 208-1-60
.....E= 460-3-60 (380/415-3-50) U= 220/380-3-60
.....F= 575-3-60 (500-3-50) V= 460/380-3-60 (380/415-3-50)
.....G= 200-1-60 W= 380/460-3-60
.....H= 265-1-60 (220/240-1-50) X= 380-3-60
.....J= 230/208-1-50 Y= 230/208-3-60 (No 50 hz)
.....K= 220/240-1-50 Z= 380/415-3-50 hz
.....L= 230/200-3-60 (220/200-3-50)

Motor Protector .....B= Internal Line Break
.....P= Pilot Duty - Solid State
.....R= Pilot Duty - Solid State (2nd Generation)
.....T= Pilot Duty - Internal Thermostat and External Sensing Elements

Motor Type .....A= PSC Permanent Split Capacitor F= PWS 3 Phase-Part Winding Start
.....B= CSR Capacitor Start/Cap. Run G= 3 Phase 2/4/Pole (2 Speed)
.....C= RSCR Resistance Start/Cap. Run J= 1 Phase 2/4 Pole (2 Speed)
.....D= AI 3 Phase-Across the Line K= 3 Phase-Dual Voltage
.....E= CSIR Cap. Start/Induction Run L= 3 Phase - WYE DELTA

Capacity .....183= 18+3-0's = 18,000; 244 = 24+4-0's = 240,000 BTU/HR
.....18U= 18+3-0's = 18,000 BTU/HR

Family .....A= Model A Reciprocating G= Model G Reciprocating
.....B= Model B Reciprocating R= Scroll (>42K)
.....C= Scroll (≤42K)
.....D= Dual Compressor Application

Generation .....B= Second Generation- No PRV (Except G series) 2= Third Generation - Basic Standard Model
.....D= Dual Compressor Application (Single & Interconnected) 3= Fourth Generation - Basic Standard Model
.....E= High Efficiency 4= Basic Standard Model - Improved Sound
.....M= Alternate Pressure Relief Valve 5= Inertia Series - Standard Model
.....N= No Pressure Relief Valve (Except G series) 6 = Inertia Series - Hi Efficiency Model
.....O= Basic Standard Model 7 = Inertia Series - Second Generation Hi Efficiency Model
.....P= Basic Standard Model- Upgrade Plus 8 = Fifth Generation- Basic Standard Model Upgrade
.....1= Second Generation - Basic Standard Model 9 = Sixth Generation- Basic Standard Model Upgrade

Type of Refrigerant .....1= R12 5= R502 or Alt. Replacement Refrigerant SUVA-HP-81 (Refrigerant R402B)
.....2= R22 6= R404A (SUVA HP62)
.....4= R134a 7= R407C (SUVA AC9000 or KLEA 66) 8= R410A

Refrigeration Application .....H= High Temperature S= High Temperature (One Capacity / 1,2,3, or 4 cylinder) Half/Single
.....M= Medium Temperature T= High Temperature (Two Capacities / 2 or 4 cylinder)- Twin/Single
.....L= Low Temperature

Family

Reciprocating Compressors Serial Number System

Scroll Compressors Serial Number System

Example: S3702K00001
S = Scroll Technologies
37 = Production Week
02 = Year
K = State (Arkansas)
00001 = Sequence # of Units Built During Week

Julian Date of Manufacture:
Year Manufactured
Mfg. Location
Daily Unit Manufactured

108 02 2 00235

00235= 235th unit of the day

0 or 2 = Bristol

02 = 2002

108 = April 18th

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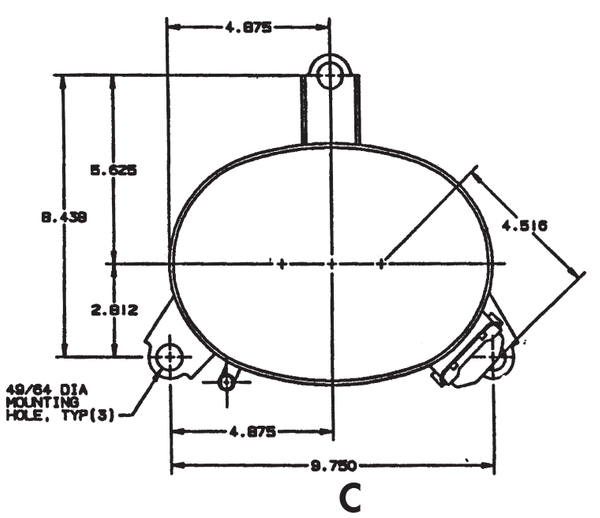
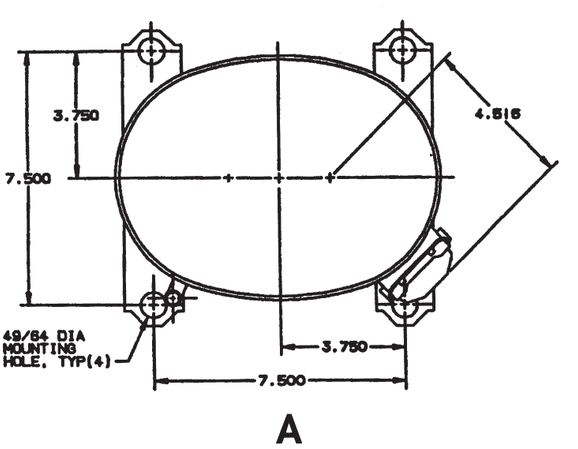
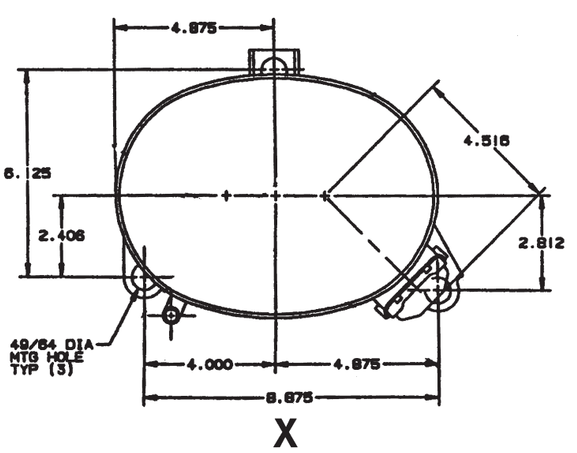
# MOUNTING FEET CONFIGURATION



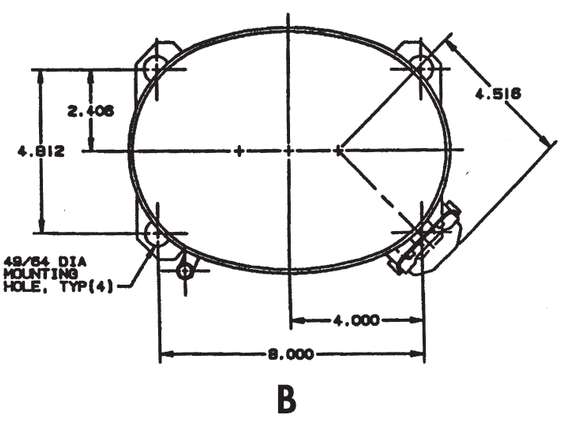

C




A




X




B

# H29A *SERIES* 50 HZ

| Model | @45/130 Capacity BTU/H | @45/130 Capacity WATTS | @45/130 Motor Input WATTS | @45/130 EER/COP BTU/WH | @45/130 EER/COP W/W | @45/100 Capacity BTU/H | @45/100 Motor Input WATTS | @45/100 EER BTU/WH | @45/110 Capacity BTU/H | @45/110 Motor Input WATTS | @45/110 EER BTU/WH | Electrical Data RLA | Electrical Data LRA | Electrical Data MCC | Displacement IN³/REV | Displacement CM³/REV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **220/200 VOLTS - 3 Phase** | | | | | | | | | | | | | | | | |
| H29A323DBL | 26300 | 7717 | 2350 | 11.2 | 3.3 | 35700 | 1900 | 18.8 | 32750 | 2100 | 15.6 | 9.1 | 115 | 17.5 | 3.61 | 59.14 |
| H29A383DBL | 31600 | 9272 | 2750 | 11.5 | 3.4 | 42100 | 2250 | 18.7 | 38600 | 2450 | 15.8 | 10.0 | 115 | 20.5 | 4.14 | 67.82 |
| H29A423DBL | 35000 | 10269 | 3050 | 11.5 | 3.4 | 46200 | 2450 | 18.9 | 42500 | 2700 | 15.7 | 10.7 | 138 | 20.0 | 4.50 | 73.72 |
| H29A473DBL | 39440 | 11572 | 3401 | 11.6 | 3.4 | 52367 | 2718 | 19.3 | 47922 | 2988 | 16.0 | 12.0 | 138 | 23.0 | 4.94 | 80.89 |
| H29A543DBL | 44900 | 13174 | 3850 | 11.7 | 3.4 | 57300 | 3050 | 18.8 | 53400 | 3350 | 15.9 | 13.4 | 145 | 25.0 | 5.50 | 90.10 |
| H29A623DBL | 49400 | 14494 | 4300 | 11.5 | 3.4 | 64000 | 3400 | 18.8 | 59100 | 3750 | 15.8 | 14.2 | 150 | 25.5 | 6.03 | 98.78 |
| **380/415 VOLTS - 3 Phase** | | | | | | | | | | | | | | | | |
| H29A323DBV | 27400 | 8039 | 2400 | 11.4 | 3.4 | 36900 | 1900 | 19.4 | 33600 | 2100 | 16.0 | 3.8 | 54 | 9.5 | 3.61 | 59.14 |
| H29A353DBV | 29300 | 8597 | 2600 | 11.3 | 3.3 | 39000 | 2050 | 19.0 | 36200 | 2300 | 15.7 | 4.7 | 54 | 10.0 | 3.93 | 64.38 |
| H29A383DBV | 31630 | 9281 | 2780 | 11.4 | 3.3 | 41421 | 2167 | 19.1 | 38472 | 2415 | 15.9 | 4.8 | 54 | 11.0 | 4.15 | 67.98 |
| H29A423DBV | 35429 | 10395 | 3067 | 11.6 | 3.4 | 46203 | 2433 | 19.0 | 42474 | 2664 | 15.9 | 4.5 | 58 | 11.0 | 4.51 | 73.80 |
| H29A473DBV | 39117 | 11477 | 3368 | 11.6 | 3.4 | 50859 | 2680 | 19.0 | 47092 | 2969 | 15.9 | 6.3 | 58 | 11.4 | 4.94 | 80.89 |
| H29A503DBV | 42046 | 12337 | 3649 | 11.5 | 3.4 | 51669 | 2776 | 18.6 | 49911 | 3183 | 15.7 | 5.2 | 62 | 13.0 | 5.14 | 84.18 |
| H29A563DBV | 46182 | 13551 | 3974 | 11.6 | 3.4 | 58796 | 3079 | 19.1 | 54567 | 3400 | 16.0 | 6.8 | 66 | 15.0 | 5.07 | 83.08 |
| H29A723DBV | 60823 | 17847 | 5381 | 11.3 | 3.3 | 75692 | 4091 | 18.5 | 70682 | 4562 | 15.5 | 9.0 | 79 | 15.0 | 7.15 | 117.12 |
| **500 VOLTS - 3 Phase** | | | | | | | | | | | | | | | | |
| H29A353DBF | 29300 | 8580 | 2600 | 11.3 | 3.3 | 38600 | 2100 | 18.4 | 36300 | 2300 | 15.8 | 3.8 | 42 | 8.5 | 3.93 | 64.37 |
| H29A623DBF | 49400 | 14470 | 4300 | 11.5 | 3.4 | 64000 | 3400 | 18.8 | 59100 | 3750 | 15.8 | 5.9 | 56 | 11.0 | 6.03 | 98.77 |

*Data Subject to Revision

A FAMILY

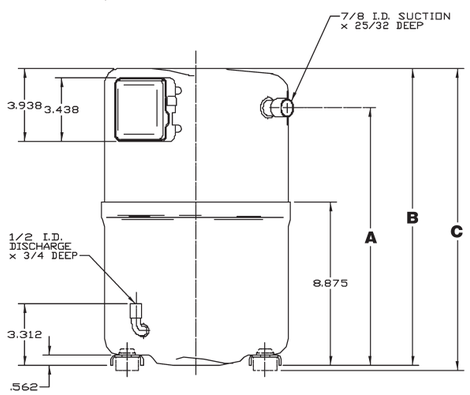


# H29A *SERIES* 50 HZ

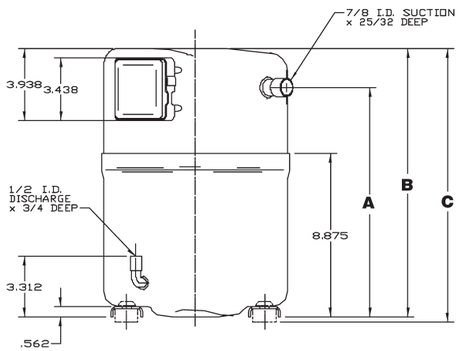
| Model | Oil Charge OZ | Oil Charge L | Weight Net Lbs | Weight Net Kg | Weight Ship Lbs | Weight Ship Kg | ELECTRICAL START COMPONENTS Run Capacitor MFD/VOLTS | ELECTRICAL START COMPONENTS Start Capacitor MFD/VOLTS | ELECTRICAL START COMPONENTS G.E. Relay | DIMENSIONS *DIAGRAMS FOUND ON PAGE 67 A IN | A MM | B IN | B MM | C IN | C MM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **220/200 VOLTS - 3 Phase** | | | | | | | | | | | | | | | |
| H29A323DBL | 65 | 1.9 | 92.0 | 41.9 | 96.5 | 43.9 | -Not Req'd | -Not Req'd | -Not Req'd | 14.0 | 355.2 | 16.1 | 409.2 | 16.4 | 416.3 |
| H29A383DBL | 65 | 1.9 | 92.5 | 42.1 | 96.5 | 43.9 | -Not Req'd | -Not Req'd | -Not Req'd | 14.0 | 355.2 | 16.1 | 409.2 | 16.4 | 417.1 |
| H29A423DBL | 65 | 1.9 | 94.5 | 43.0 | 104.5 | 47.5 | -Not Req'd | -Not Req'd | -Not Req'd | 15.3 | 386.9 | 17.4 | 440.9 | 17.7 | 448.8 |
| H29A473DBL | 65 | 1.9 | 94.5 | 43.0 | 99.0 | 45.0 | -Not Req'd | -Not Req'd | -Not Req'd | 15.3 | 386.9 | 17.4 | 440.9 | 17.7 | 448.8 |
| H29A543DBL | 65 | 1.9 | 100.5 | 45.7 | 104.5 | 47.5 | -Not Req'd | -Not Req'd | -Not Req'd | 15.3 | 386.9 | 17.4 | 440.9 | 17.7 | 448.8 |
| H29A623DBL | 65 | 1.9 | 105.5 | 48.0 | 109.5 | 49.8 | -Not Req'd | -Not Req'd | -Not Req'd | 15.3 | 386.9 | 17.4 | 440.9 | 17.7 | 448.8 |
| **380/415 VOLTS - 3 Phase** | | | | | | | | | | | | | | | |
| H29A323DBV | 65 | 1.9 | 92.0 | 41.9 | 96.5 | 43.9 | -Not Req'd | -Not Req'd | -Not Req'd | 14.0 | 355.2 | 16.1 | 409.2 | 16.4 | 416.3 |
| H29A353DBV | 65 | 1.9 | 93.0 | 42.3 | 97.5 | 44.4 | -Not Req'd | -Not Req'd | -Not Req'd | 14.0 | 355.2 | 16.1 | 409.2 | 16.4 | 417.1 |
| H29A383DBV | 65 | 1.9 | 92.5 | 42.0 | 96.5 | 43.9 | -Not Req'd | -Not Req'd | -Not Req'd | 14.0 | 355.3 | 16.1 | 409.4 | 16.4 | 417.2 |
| H29A423DBV | 65 | 1.9 | 94.5 | 43.0 | 98.5 | 44.8 | -Not Req'd | -Not Req'd | -Not Req'd | 15.3 | 386.9 | 17.4 | 440.9 | 17.7 | 448.8 |
| H29A473DBV | 65 | 1.9 | 94.5 | 43.0 | 99.0 | 45.0 | -Not Req'd | -Not Req'd | -Not Req'd | 15.3 | 386.9 | 17.4 | 440.9 | 17.7 | 448.8 |
| H29A503DBV | 65 | 1.9 | 100.5 | 45.7 | 104.5 | 47.5 | -Not Req'd | -Not Req'd | -Not Req'd | 15.3 | 387.0 | 17.4 | 440.9 | 17.7 | 448.8 |
| H29A563DBV | 65 | 1.9 | 105.5 | 48.0 | 109.5 | 49.8 | -Not Req'd | -Not Req'd | -Not Req'd | 15.3 | 387.0 | 17.4 | 440.9 | 17.7 | 448.8 |
| H29A723DBV | 65 | 1.9 | 105.5 | 48.0 | 109.5 | 49.8 | -Not Req'd | -Not Req'd | -Not Req'd | 15.3 | 387.0 | 17.4 | 440.9 | 17.7 | 448.8 |
| **500 VOLTS - 3 Phase** | | | | | | | | | | | | | | | |
| H29A353DBF | 65 | 1.9 | 93.0 | 42.3 | 97.5 | 44.3 | -Not Req'd | -Not Req'd | -Not Req'd | 14.0 | 355.3 | 16.1 | 409.4 | 16.4 | 417.2 |
| H29A623DBF | 65 | 1.9 | 105.5 | 48.0 | 109.5 | 49.8 | -Not Req'd | -Not Req'd | -Not Req'd | 15.3 | 387.0 | 17.4 | 441.1 | 17.7 | 449.0 |

A FAMILY

# A *FAMILY* Diagrams




## H23A

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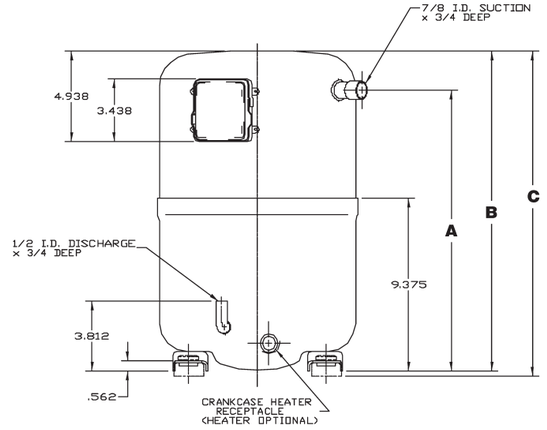
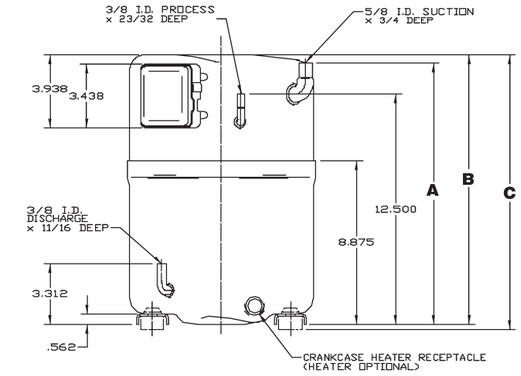



## H29A & T29A

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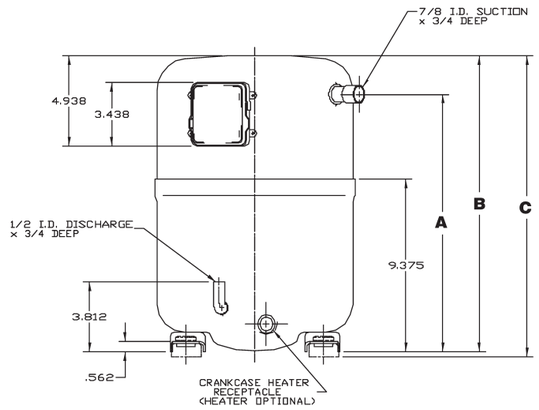
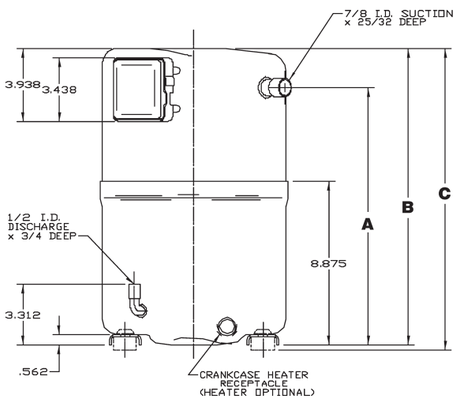
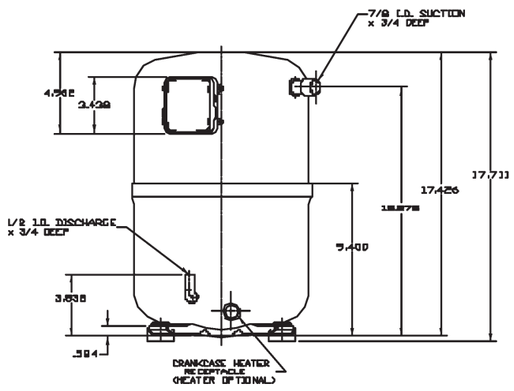



## H25A, H26A, H27A




## H28A & H78A

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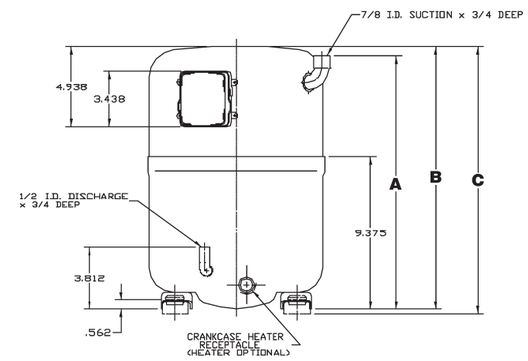


## H79A



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