

D1489
07/18/05
DMD

Example:

MODEL NOMENCLATURE

F A A -015 D -C E 10 C A M 1
I I III IV V VI VII VIII IX X XI XII
I

I - Basic Series

F: 015+
R: 003-012
E: Non refrigerated
D: Dual Loop
S: Split System
A: Water to Air
W: Widespan
P: 003-020 (air cooled)
003-060 (water cooled)
K: rack mount
C: Custom
G: Stinger

II - Heat Dissipation

A: Air cooled, 5-35°C/41-95°F amb air
B: Air cooled, 5-40°C/41-104°F amb air
C: Air cooled, 5-50°C/41-122°F amb air
D: Air cooled, (-10)-35°C/14 -95°F amb air
E: Air cooled, (-20)-35°C/(-4)-95°F amb air
F: Air cooled, (-20)-50°C/(-4)-122°F amb air
N: none
W: Water cooled, 5-40°C amb air,
41-95°F facility water

III - Process Temperature Range

A: 4-30°C
B: (-10)-30°C
C: (-30)-30°C
D: 4 -50°C
E: 4 -90°C
F: (-30)-50°C
G: (-30)-90°C
H: (-40)-120°C
J: 4-110°C
K: (-40) -200°C
L: 10-200°C
M: (-85) - 50°C
N: (-85) - 85°C

IV - Capacity (nominal)

COMPRESSOR HP

003 - 1 kW
005 - 2 kW
007 - 3 kW
012 - 4 kW
015 - 6 kW
020
022 - 8 kW
030
032 - 13 kW
040
050 - 20KW
060
075 - 26KW
100 - 32KW
120 - 40KW
121 - 4 Fan
150
200
250
300
301 - 6 cyl.
302 - scroll
350
400
450
500

E - SERIES

Example: 04 D
a b

a: Plant water flow
04 =<10GPM
08 =<20GPM
15 =<40GPM
23 =<60GPM

b: Cooling capacity
A - 0-20 kW
B - 20-60 kW
C - 60-100 kW
D - 100-150 kW
E - 150+

HEATERS ONLY

H02: 0-2 kW
H04: 2.01 - 4 kW
H10: 4.01 - 10 kW
H20: 10.01 - 20 kW
H40: 20.01 - 40 kW

K-SERIES

Example: F 03
a b

a: Platform size
A: TBD
B: TBD
C: TBD
D: TBD
E: TBD
F: 19" rack, 10.25 high x 22.00" deep
G: TBD

b: Compressor size
03: 1/3 HP

Cascade (Z)

Example: Z K H
a b

ZKH - 3hp high side,
2hp low side

a: High side compressor HP
A: 0.20 I: 2.25 Q: 5.50
B: 0.25 J: 2.50 R: 6.00
C: 0.33 K: 3.00 S: 7.50
D: 0.50 L: 3.25 T: 10.0
E: 0.75 M: 3.50 U: 12.0
F: 1.00 N: 4.00 V: 13.0
G: 1.25 O: 4.50 W: 15.0
H: 2.00 P: 5.00

b: Low side compressor HP
A: 0.20 I: 2.25 Q: 5.50
B: 0.25 J: 2.50 R: 6.00
C: 0.33 K: 3.00 S: 7.50
D: 0.50 L: 3.25 T: 10.0
E: 0.75 M: 3.50 U: 12.0
F: 1.00 N: 4.00 V: 13.0
G: 1.25 O: 4.50 W: 15.0
H: 2.00 P: 5.00

V - Electrical Configuration

A: 115/1/60
B: 100/1/50 - 115/1/60
C: 208-230/1/60
D: 208-230/3/60
E: 460/3/60
F: 110/1/50, 115/1/60, 200/1/50, 230/1/60
G: 380-400/3/50, 5-wire

H: 200-240/1/50 - 208-240/1/60
I: 100/1/50
J: 200-220/1/50 - 208-230/1/60
K: 200-220/3/50 - 208-230/3/60
L: 380/3/50 - 460/3/60
M: 208-230V/1/60 Delta
P: 170-250/1/50 - 170-250/1/60 (custom, see Eng.)

Q: 220-240/1/50
R: 200-220/1/50
S: Special (per customer requirements)
T: 200/1/50 - 208-230/1/60
V: 200-220/3/50
W: 230/1/50 - 230/1/60

VI - Nominal Pump Flow (GPM)

A <1GPM
B <3
C <6
D <13
E <21
F <29
G <40
H >40
M - multiple
N - none

VII - Nominal Pump Pressure (psig)

A <0
B <0-15
C <16-30
D <31-60
E <61-90
F <91-150
G >150
P - Pump

VIII - Two Digit Engineering Code

IX - Coolant Loop

C: Closed loop
O: Open loop

X - Control

A: Remote
B: Non-remote

XI - Agency Approval

N: None
M: MET labeled
C: CE labeled
D: Dual labeled (MET and CE)
S: Special (per customer requirements)

XII - Refrigerant

0: no refrigerant
1: R22
2: R507
3: R134A
4: R407C
5: R404A
6: R507 & R508B

Obsolete Series

B: Bobtail - no pump or bulkhead
L: Larkin - rooftop units
I: mini - 002 - 007