

# 1.0 — GENERAL COMPRESSOR AND CUSTOMER INFORMATION

## 1.1 — Compressor Model Number Significance

### 06D COMPRESSORS

06DR 3 37 0 D A 36 5 A-(RP)\*\*

Model = 0, Package = 1 or 9, A = Shipped Without Oil

Oil and Refrigeration (06DR, DM) Unloading Variable:

0 = All Models Except as Noted

5 = No Oil

Y = Smart Unloading Models

Suction Cut-Off Unloading Designation for 06DR, DM Compressors:

7 = 1 Unloader Elec. (DR, DM Only)

8 = 2 Unloaders

Electrical Characteristics (XL Start Only, Unless Noted):

New H.E. Models

31 = 575-3-60

32 = 208/230-3-60

33 = 208/230-1-60

34 = 220-3-50

36 = 400/460-3-50/60

37 = 380-3-60

Old Std. Models

01 = 575-3-60

04 = 200-3-60

05 = 230-3-60

06 = 400/460-3-50/60

08 = 220-3-50

12 = 208/230-3-60

13 = 380-3-60

14 = 200-3-60 (PW)

15 = 230-3-60 (PW)

18 = 220-3-50 (PW)

Electrical Variables:

Electronic Overcurrent Protection:

0 = None

1 = 115/240V Control Voltage, Electronic Overcurrent Protection

2 = 24V AC Control Voltage, Electronic Overcurrent Protection

3 = 24V DC Control Voltage, Electronic Overcurrent Protection

Electromechanical Overcurrent Protection:

A = With Internal Thermostat and External Overloads

C = With Internal Thermostat and Without External Overloads

Suction Valve - Variables:

Location, Orientation and Mounting Bolts

Compressor Identification Key:

0 = New Compressor

2 = New Compressor

3 = New Compressor

6 = Service Compressor, Remanufactured

7 = Service Compressor, New Manufactured

8 = New Compressor, Special

9 = Service Compressor, Special

S = Oil Sensor Block and OPSS Sensor

Displacement (in Cfm at 1750 rpm)

Motor Size - (Does Not Signify Horsepower)

Compressor Type:

06DA = Compressor - A/C Duty

06DB = Compressor - A/C Duty

06DC = Compressor - A/C Duty

06DD = Compressor - A/C Duty

06DE = Compressor - A/C Duty

06DF = Compressor - A/C Duty

06DG = Compressor - A/C Duty

06DH = Compressor - A/C Duty

06DJ = Compressor - A/C Duty

06DK = Compressor - A/C Duty

06DM = Compressor Refrig. Duty Medium Temperature

06DR = Compressor Refrig. Duty Low Temperature

06DM = Service Compressor-Replacement for new 06DA, DM without unloading

06DS = Service Compressor-Replacement for new 06DF, G, H and J with suction cut-off unloading. Compressor has 1-Stage suction cut-off unloading

06DX = Service Compressor-Replacement for new 06DB, C, D, and E with hot gas (bypass) unloading. Compressor has 1-stage of bypass unloading

No Unloading

1-Step Elec.

2-Step Elec.

1-Step Press.

2-Step Press.

1-Step Elec.

2-Step Elec.

1-Step Press.

2-Step Press.

1-Step Elec. & 2-Step Press.

} Hot Gas  
Bypass  
Unloading

} Suction  
Cut-Off  
Unloading

\*\*Refrigeration Partner.

Information in shaded area is no longer available in standard factory production.

## 3.0 — COMPRESSOR AND PARTS DATA

### 3.1 — 06D Series Compressors - Physical Data (Page 1 of 2)

CARRIER/ CARLYLE MODEL NUMBER	STANDARD SERVICE REPLACEMENT MODEL	SUCTION TEMPERATURE RANGE ... (a)					
		R-404A/507, R-448A and R-449A			R-134a		
		Deg. F	Deg. C	Deg. F	Deg. C	Deg. F	Deg. C
06DM8080...	06DM8086...	0 to 50	-18 to 10	—	—	0 to 55	-18 to 13
06DR1090...	06DR1096...(b)	-40 to 0	-40 to -18	-10 to 55	-23 to 13	-35 to 0	-37 to -18
06DR0130...	06DR0136...(c)	-40 to 0	-40 to -18	-10 to 55	-23 to 13	-35 to 0	-37 to -18
06DM3130...	06DM3136...(c)	0 to 50	-18 to 0	—	—	0 to 55	-18 to 7
06DR3160...	06DR3166...(c)	-40 to 25	-40 to -4	-10 to 55	-23 to 13	-35 to 25	-37 to -4
06DM3160...	06DM3166...(c)	0 to 25	-18 to -4	-10 to 55	-23 to 13	0 to 55	-18 to 7
06DR7180...	06DR7186...	-40 to 0	-40 to -18	-10 to 55	-23 to 13	-35 to 0	-37 to -18
06DA8182...	06DA8186...	0 to 50	-18 to 10	—	—	0 to 55	-18 to 13
06DR8200...	06DR8206...	-40 to 40	-40 to 4	-10 to 55	-23 to 13	-40 to 25	-40 to -4
06DR7240...	06DR7246...	-40 to 25	-40 to 4	-10 to 55	-23 to 13	-40 to 25	-40 to -4
06DA8242...	06DA8246...	0 to 50	-18 to 10	—	—	0 to 55	-18 to 13
06DR7250...	06DR7256...	-40 to 25	-40 to 4	-10 to 55	-23 to 13	-40 to 25	-40 to -4
06DA8252...	06DA8256...	0 to 50	-18 to 10	—	—	0 to 55	-18 to 13
06DR2280...	06DR2286...	-40 to 25	-40 to 4	-10 to 55	-23 to 13	-40 to 25	-40 to -4
06DA3282...	06DA3286...	0 to 50	-18 to 10	—	—	0 to 55	-18 to 13
06DR3370...	06DR3376...	-40 to 25	-40 to 4	-10 to 55	-23 to 13	-30 to 25	-40 to -4
06DM3370...	06DM3376...	0 to 25	-18 to 10	-10 to 55	-23 to 13	0 to 45	-18 to 7
06DA5342...	06DA5376...	0 to 50	-18 to 10	—	—	0 to 55	-18 to 13
06DR5410...	06DR5416...	-40 to 25	-40 to 4	—	—	-40 to 25	-40 to -4

(a) Approximate condensing temperature ranges. CHECK ACTUAL PERFORMANCE DATA FOR ANY NEW APPLICATION ESPECIALLY AT OR NEAR UPPER OR LOWER LIMIT: Low Temperature=70 to 120°F (21 to 49°C), Medium Temperature=80 to 130°F (27 to 54°C) and High Temperature (R-407A, C, F only) = 80 to 150°F (27 to 66°C).

(b) The 06DR 109 single phase compressor has a 3 HP (2.2 kW) motor.

(c) Service compressors have dual suction service valve locations, one on motor end and one near the oil pump.