



# MULTIPLE BOILER PACKAGES

## STAGING CONTROL AND DMG HEATING BOILERS



### SPECIAL PACKAGE PRICING

**Ideal for multiple boiler system applications.**

Dunkirk multiple boiler packages include 2 - 4 of our DMG 240/380 high efficiency condensing water boilers with your choice of staging control.

#### Options

- Boiler Choice:
  - DMG 240 Heating Boilers
  - DMG 380 Heating Boilers
- Staging Control Choice:
  - MBC Control
  - 275 Control
  - 284 Control

#### Benefits of Installing Multiple Boilers

- Improved Efficiency
- Built-in Redundancy
- Installation Flexibility
- Improved Serviceability
- Improved Boiler System Longevity



MBC Control  
DMG 240 Boilers



## A CLOSER LOOK CONTROLS

**MBC Control**

**275 Control**

**284 Control**



Control Features	MBC Control	275 Control	284 Control
Display & Interface	LCD Display – Push Button	LCD Display – Push Button	Touch Screen & Push Button
4 Stages	Yes	Yes	Yes
On – Off Boiler Operation	Yes	Yes	Yes
Controls Individual Boiler Modulation 0-10 Vdc or 2-10 Vdc	No – Each individual boiler would control its own modulation rate	Yes - Requires boiler supply sensor on each outlet	Yes - Requires boiler supply sensor on each outlet
Boiler Supply Sensors	None	Optional (4) - to control individual boiler modulation	Optional (4) - to control individual boiler modulation
Sensors – Factory Supplied	System Supply Water Sensor, System Return Sensor, Outdoor Air Sensor		
DHW Sensor	Optional	Optional	Optional
EMS (0 -10 Vdc)	Yes – Can be connected to an Energy Management System (EMS)		
BACnet & Modbus	No	No	Yes
Program Setback Scheduling	Yes	Yes	Yes
Indirect DHW Priority	Yes	Yes	Yes
DHW Sensor	Optional	Optional	Optional
Outdoor Temperature Reset	Yes	Yes	Yes
Warm Weather Shutdown	Yes	Yes	Yes
Adjustable Automatic Staging Delays	Yes	Yes	Yes
Rotation – Equal Run Time On – Off	Yes	Yes	Yes
Fixed Lead Option	Yes	Yes	Yes
Fixed Last Option	Yes	Yes	Yes
Boiler Loop Pump	Yes	Yes	Yes
System Primary Pump	1	1	2
DHW Pump Operation	Yes	Yes	Yes
DHW Recirculation Pump	Yes	Yes	Yes
Pump(s) Post Purge	Yes	Yes	Yes
System Primary Pump Rotation	No	No	Yes
Combustion Air Damper or Alarm	Yes – 1 relay terminal	Yes – 1 relay terminal	Yes – 2 relay terminals

## A CLOSER LOOK DMG 240 & 380

# High Efficiency Condensing Water Boiler

### DMG 240 Residential/Light Commercial

- 240 MBH
- 95% AFUE - ENERGY STAR®
- 6.7:1 Turndown Ratio
- Primary/Secondary LABOR SAVER™ Manifold Included
- Wall Mounted
- Optional Floor Base Available
- 17 3/4"(w) x 31 1/16"(h) x 23"(d)

### DMG 380 Commercial Offering

- 380 MBH
- 95% Thermal Efficiency
- 10.5:1 Turndown Ratio
- Floor Standing
- 23 5/8"(w) x 50"(h) x 25 1/2"(d)
- Primary/Secondary LABOR SAVER™ Manifold Included

### Common Features




- Anti-wind Function:  
Control automatically adjusts the fan speed to prevent loss of flame and lockouts
- Flame Stabilization:  
Control allows the flame to stabilize before modulating, preventing flame drop outs and recycling



## RATINGS

BOILER MODEL	# OF BOILERS	HEAT INPUT (BTUH)	HEAT CAPACITY (BTUH)
DMG 240	2	482,000	432,000
	3	723,000	648,000
	4	964,000	864,000
DMG 380	2	758,000	696,000
	3	1,137,000	1,044,000
	4	1,516,000	1,392,000

## ORDERING INFORMATION

CHOOSE 1 CONTROL	CHOOSE # OF BOILERS			ITEM NUMBERS FOR PACKAGE ORDERING	
<b>MBC Control</b> 	2	3	4	MBC Control DMG-240	AMB4BDK DMG124000600103
	2	3	4	MBC Control DMG-380	AMB4BDK DMG138000600103
<b>275 Control</b> 	2	3	4	275 Control DMG-240	240012784DK DMG124000600103
	2	3	4	275 Control DMG-380	240012784DK DMG138000600103
<b>284 Control</b> 	2	3	4	284 Control DMG-240	240012783DK DMG124000600103
	2	3	4	284 Control DMG-380	240012783DK DMG138000600103