



Coffee Roaster

Aspire Computer Solutions, LLC

***Maximize your QuickBooks to roasted and bagged
Coffee product.***

Coffee Roaster is productivity software geared to quickly and automatically import QuickBooks sales invoice information into a coffee roasting and bagging production database. Once in the Coffee Roaster production application, coffees to be roasted and bagged for delivery are organized by coffee group and coffee item to maximize insight into what products need to be roasted and bagged.

Management and Roaster modules provide additional tracking and insight in the form of graphs and summary data to add to the functionality of the production module.



**Aspire Computer Solutions,
LLC**

Phone: (970) 769-8502

info@aspire4corners.com

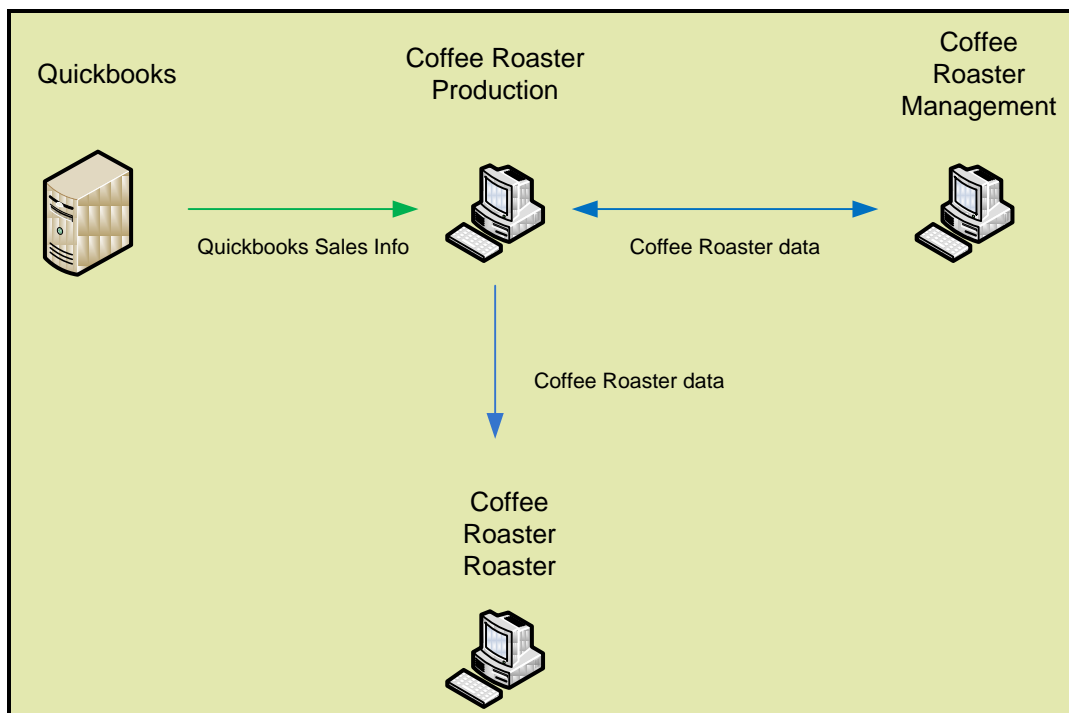
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Introduction

Coffee Roaster is a productivity application to facilitate the transfer of QuickBooks sales invoice information into a production database for the roasting and bagging of coffees. The application connects to QuickBooks through a third party interface which is sold separately or included in enterprise level QuickBooks software. This interface is an approved QuickBooks product. Coffee Roaster interfaces with QuickBooks in a read-only manner and does not change data in QuickBooks, connecting only to sales invoice information. The Coffee Roaster Production application can be installed on the same computer as the QuickBooks information or on a separate computer within a LAN (local network). Once installed and operational, the Coffee Roaster application automatically retrieves sales invoice information from QuickBooks, automatically enters each new line item into the Coffee Roaster application (database) and summarizes the data for the production and roaster operators.

Coffee Roaster is separated into three modules, Production (required), Management (optional) and Roaster (optional). A 4th module (Shipping, optional), is in development. QuickBooks sales history on the QuickBooks server is retrieved by the Coffee Roaster Production module providing summary information on which coffee groups to roast and which individual coffee's to bag. The bagger at the production machine enters the coffees as they are bagged into the Coffee Roaster database where the inventory is adjusted and the information is stored for summary reports. The diagram below represents a recommended configuration.



Coffee Roaster Benefits

- *Coffee Roaster automatically imports Sales Invoice information into a production database. Invoices are imported quickly and accurately without typing by the production operator*
- *Errors caused by typing or reading errors are eliminated*
- *Speed – production operator is freed from manual typing allowing exclusive focus on other production tasks*
- *Bagged coffees are automatically stored in a local Coffee Roaster database which automatically adjusts inventory and provides the data necessary for reports and summaries*
- *Dynamic totals are displayed for Shelf count, Assemble (the number of bags to be assembled to fill both orders and restock the shelf), and Sales (the number of bags that need to be produced to fill immediate orders). The production operator always knows where they stand on incoming orders vs. produced coffees.*
- *Production module provides summary data by month and day of week for each individual coffee*
- *Management module provides additional data summary including analysis by coffee group in lbs. The management module also provides shelf/inventory counts including the wholesale value in dollars of the existing inventory.*
- *Productivity increase results in a positive Return on Investment in less than 1 year*
- *Inventory is managed automatically as coffees are produced*
- *Customizable to a customers' existing QuickBooks sales invoice items*
- *Coffee Roaster is scalable to a SQL host for invoices or Coffee Roaster data*



Coffee Roaster Production Module

The Coffee Roaster Production Module is a required module which provides the connection to QuickBooks, Coffee Roaster database and summary information for both the Coffee roaster and bagger. As coffees are bagged, the production operator enters in the quantities by coffee item for each coffee produced where the information is stored in the Coffee Roaster production application (database). As the QuickBooks database for most Coffee Roaster customers is likely to include both coffee items and non coffee items the Coffee Roaster application must be able to differentiate between them. This can be accomplished in two ways.

- QuickBooks items are entered into QuickBooks according to a predefined format
- Coffee Roaster is designed so that a software modification can customize the Coffee Roaster application to each customer's data format. This allows a new Coffee Roaster customer to preserve their existing QuickBooks item numbers, QuickBooks sales history and reports.

The production module shows 5 tabs shown below the Microsoft Office Ribbon. The Ribbon is organized by Groups and displays summary information visible in all screens and provides menu choices. In addition to the Ribbon, the default production tabs are the following.

- **Summary** – provides summary information along with the ability to configure settings such as user, interval and mode interval
- **Coffee Production** – this tab provides the main working interface for the production operator. As coffees are imported from QuickBooks the sales quantities are checked against existing shelf inventory. After existing shelf inventory has been applied any remaining items will be displayed in the sales column. To indicate to the operator that this particular item needs to be prioritized the row is turned to a blue background indicating that sales still remain after existing stock has been applied to an order. As a particular coffee is bagged by the production operator the quantity is entered into the Finished column and the finished quantity applied against existing Sales orders. After applying the finished quantity to sales orders, excess production is automatically entered into the Shelf to represent stock available for resale. In addition to bagging coffee for immediate sales, the production operator is also provided the “Assemble” information for coffees which need to be built to stock the shelves. These coffees are indicated by a White background on the row. The Coffee Production tab organizes coffees by coffee group and by individual coffee name. A double click on the Coffee name provides additional coffee name information imported from QuickBooks in the event that private labeling is used to sell multiple coffees from the same coffee item. To minimize the number of items to be viewed in the Coffee Production tab only coffees which need to be built to fill sales or stock shelves are displayed.
- **Roast Totals** – this tab provides summary information for the coffee roaster in lbs of coffee that need to be produced by coffee group. As the bagger finishes coffees, these totals are automatically adjusted.
- **QB Invoices** – this tab provides a list of imported QuickBooks information to provide QB info to the production operator
- **Non Production Items** – this tab displays items imported from QuickBooks that appear to be coffees but have not been entered into the Coffee Roaster database. Coffees can be “packaged” from this tab and the totals automatically entered into the production database for future tracking.

In addition to the 5 default Coffee Roaster tabs, the Ribbon provides important information to the Coffee Roaster production operator as shown below.

Sales	Coffee	GroupID	NameID	Shelf	Shelf Goal	Available	Assemble	Finished
	2-A05	A05	Down the Middle 2 lbs.		2		2	
	5-A05	A05	Down the Middle 5 lbs.	3	8	3	5	
	12-A15	A15	Springtime in the Rockies 12oz	6	15	6	9	
4	5-A16	A16	Dance with the one who brought you 5		14	-4	18	
	2-C05	C05	Rocky Mountain 2 lbs.		4		4	
	5-C05	C05	Rocky Mountain 5 lbs.	3	4	3	1	
6	5-C11	C11	Troubadour 5 lbs.		12	-6	18	
	5-C12	C12	Winter Espresso 5 lbs.	8	10	8	2	
	12-C14	C14	Fourth of July 12oz		4		4	
	5-C14	C14	Fourth of July 5 lbs.	3	6	3	3	
	12-C17	C17	South American 12oz	4	10	4	6	
	5-C17	C17	South American 5 lbs	2	6	2	4	
	12-C19	C19	Summer Rain 12oz	1	16	1	15	
	5-C19	C19	Summer Rain 5 lbs.	2	10	2	8	
	5-C33	C33	Catskills 5 lbs.	8	12	8	4	
5	12-D11	D11	Emerald City 12oz		4	-5	9	
	2-D11	D11	On the Side 2 lbs.		2		2	
	5-D11	D11	Emerald City 5 lbs.		4		4	
	12-D21	D21	Ocean Breeze 12 oz.		8		8	
	5-F09	F09	Walk in the Park 5 lbs.		4		4	
	5-M02	M02	Hole in One 5 lbs.	2	12	2	10	
	12-R14	R14	In a Hurry - Don't Know Why 12oz		10		10	
4	5-R14	R14	Old Flame House Blend 5 lbs.		4	-4	8	
	5-S15	S15	Golden Gate 5 lbs.	7	8	7	1	
2	12-S18	S18	Silky Smooth 12 oz.			-2	2	
	5-S21	S21	Born Free 5 lbs.	2	6	2	4	

The Coffee Roaster Ribbon is divided up into groups as shown below. The Coffee Roaster application uses context specific Ribbons for different forms. The main production Ribbon is described below.



- Operating Mode** – The operating mode group is visible from all Ribbons and shows the last time that QB information was imported, the number of line items imported and the operating mode. There are 4 operating modes, Full Auto, Semi Auto, Manual and Inventory. These modes can be selected from the mode button in the Operating Mode group. Full Auto connects to QuickBooks automatically by the interval configured on the Summary Tab. In this mode new QuickBooks invoices are quickly and automatically entered into the Coffee Roaster application without the operator having to provide any input. In Semi Auto, the production operator can control when QuickBooks imports are done. In the event that

the connection to QuickBooks is down, new orders can be manually entered in the Manual mode. Inventory mode is similar to Semi Auto but displays all coffee items in the Coffee Roaster database.

- **Summary** – The Summary group displays running totals by items – bags of coffee that need to be produced or have been produced. The Assemble value indicates the total number of coffees that need to be produced to meet both the immediate sales goal and to restock the shelf quantities. The Sales value indicates how many items (bags) need to be produced to take care of existing sales orders – these are a priority and are indicated in blue on the datasheet. Nonproduction indicates the number of items imported from QuickBooks which appear to be Coffee Items but do not have info in the Coffee Roaster database. The User indicates the current production operator. Shelf indicates the quantity of items on the shelf that do not have orders applied against them. In a typical scenario, a production operator may bag a lot of coffee to meet orders and temporarily it may look like the shelves are stocked. The Shelf quantity will represent the number of shelf items that orders do not exist for even though it appears temporarily that there is a lot of shelf stock. The Shelf quantity is essentially the number of items available for resale. The Unknown Items button will change to a Yellow and Red icon when there are items in the Nonproduction datasheet to provide a visual reminder to the operator to investigate and bag those coffees.
- **SignIn** – this group allows the production operator to sign in prior to bagging coffee. This allows reports to show which production operator produced which coffees.
- **Import** – a click on the Import QB button allows the production operator to import QB items manually at a time of their choosing
- **Reload Forms** – during normal coffee production the 5 production forms will remain synchronized to each other and the Coffee Roaster data. When additional forms are opened data may be changed by the production user or by another user connecting to the coffee roaster database (Management Module). The Reload Forms button automatically closes all forms except for the 5 default forms and synchronizes all 5 default forms to the current database whether changes were made by the production operator or remotely by the management module. As the production operator may not be aware of changes made by the management module, the system will automatically adjust totals based on a timed interval without the operator having to do anything. The Reload Forms button simply updates the information immediately and returns the production interface to the 5 default forms.
- **Navigation** – The Navigation Group provides quick access to the Production tab, Coffees tab, Tables Button, Reports Button and Utilities Button. The Production tab simply returns to the main Coffee Production form. The Coffees tab displays the Coffees form which includes both numerical and graphical summary information for each coffee. The Tables button provides access to several data categories in table format and the Utilities Button provides options for several maintenance tasks. The Utilities button provides access to tasks that the operator may want to perform manually.

Roast Totals Tab

The Roast Totals Tab summarizes coffee production information by Coffee Group. This information is intended for both the production and roaster operators and provides the quantity in lbs to be produced for each coffee group. Color coding is used in the roast totals (SumOfRoast lbs) column to indicate differences between larger and smaller roast quantities. The Available columns (Available 5lb., Available 10lb. and Available 25lb) columns indicate in lbs the quantities of each coffee group that have been previously packaged and are available to be repackaged into smaller bags.

CoffeeType	Description	Available - 5lb. (lbs)	Available - 10b. (lbs)	Available - 25b. (lbs)	SumOfRoast lbs
S36	Bolivia Highlands	5			18.00
D21	Brazil Lowlands				6.00
A16	Columbia Dark	-20			90.00
S18	Columbian Holiday				1.50
S22	Decaf Premium	15			7.25
S21	Dominican Republic	10			20.00
C33	Ethiopian Select	40			20.00
C12	Femenino	40			10.00
C05	Guatemala	15			13.00
S15	Italian Espresso	35			5.00
A15	Mosaic				6.75
C14	Nicaragua Matagalpa	15			18.00
S25	Peru Highlands				4.50
C11	Peruvian	-30			90.00
C19	Peruvian Decalf	10			51.25
F09	Seattle Dark				20.00
A05	Sumatra	15			29.00
R14	Sumatra Express	-20			47.50
S24	Sumatra Gayo	40			12.25
D11	Uganda Gumutindo				30.75
C17	Velvet	10			24.50
M02	Viva Italian Espresso	10			50.00

QB Invoices Tab

The QB Invoices Tab provides the production operator direct access to invoice information imported from QuickBooks. The data is sorted so that the most current records appear at the top of the interface. QuickBooks invoice information includes the following which may be important to the Production Operator.

- Order Date
- QuickBooks Invoice Number
- Coffee Item Number
- Coffee Description from the QuickBooks invoice
- Customer Name
- Quantity

OrderDate	QBInvoice	Item	Description	CustomerName	Quantity	User	Imported	PulledForDelivery	DeliveredBy
4/10/2009	4777	6-D04	Take a Chance 6oz	The Spa and Salon	3	Demo	4/10/2009		
4/10/2009	4780	5-D21	Ocean Breeze 5 lbs.	Wellington Book Store	2	Demo	4/10/2009		
4/10/2009	4782	6-C11	Blues City 6oz	Windy City Fire Department	9	Demo	4/10/2009		
4/10/2009	4779	12-C05	Rocky Mountain 12oz	Windy City Fire Department	2	Demo	4/10/2009		
4/10/2009	4778	12-D11	Emerald City 12oz	Hood River Pizza	0	Demo	4/10/2009		
4/10/2009	4781	5-R14	Old Flame House Blend 5 lbs.	Community Outreach Program	8	Demo	4/10/2009		
4/10/2009	4775	5-C04	Morning Buzz Blend 5 lbs.	Pine Square Bookstore & Café	8	Demo	4/10/2009		
4/10/2009	4776	2-S21	Waterfront 2 lbs.	Columbia Café	9	Demo	4/10/2009		
4/10/2009	4774	5-S25	Firehole 5 lbs.	Pine County Grocery Co-op	7	Demo	4/10/2009		
4/10/2009	4773	12-D11	Emerald City 12oz	Seattle Country Club	0	Demo	4/10/2009		
4/10/2009	4772	12-M02	Hole in One 12oz	Billy Bob's Barbeque	2	Demo	4/10/2009		
4/10/2009	4768	12-M02	Hole in One 12oz	Cafe Beauregard	0	Demo	4/10/2009		
4/10/2009	4769	12-S18	Silky Smooth 12 oz.	Luciano's Bar and Grill	2	Demo	4/10/2009		
4/10/2009	4771	2-D21	Alaska Highway 2 lbs.	Maple Tree Coffeehouse	6	Demo	4/10/2009		
4/10/2009	4767	2-D21	Alaska Highway 2 lbs.	No Decaf Coffee House	2	Demo	4/10/2009		
4/10/2009	4770	5-S21	Born Free 5 lbs.	Aspen's Breeze Cafe	2	Demo	4/10/2009		
4/10/2009	4766	2-C04	Sea Breeze 2 lbs.	Brews and Barbeque	4	Demo	4/10/2009		
4/10/2009	4761	12-M02	Hole in One 12oz	King Soopers Grocery	1	Demo	4/10/2009		
4/10/2009	4765	12-C12	Winter Espresso 12oz	Bay City School District	1	Demo	4/10/2009		
4/10/2009	4762	2-D11	On the Side 2 lbs.	Front Range Bank	2	Demo	4/10/2009		
4/10/2009	4764	6-D04	Take a Chance 6oz	Seattle Country Club	9	Demo	4/10/2009		
4/10/2009	4763	2-A16	Dance with the one who brought you 2 lbs.	Pine Square Bookstore & Café	3	Demo	4/10/2009		
4/10/2009	4760	12-S15	Golden Gate 12oz	Billy Bob's Barbeque	9	Demo	4/10/2009		
4/10/2009	4759	6-C11	Blues City 6oz	Desert Oasis	2	Demo	4/10/2009		
4/10/2009	4758	6-C11	Blues City 6oz	Windy City Fire Department	9	Demo	4/10/2009		
4/10/2009	4757	5-R14	Old Flame House Blend 5 lbs.	Community Outreach Program	8	Demo	4/10/2009		
4/10/2009	4756	5-D21	Ocean Breeze 5 lbs.	Wellington Book Store	2	Demo	4/10/2009		
4/10/2009	4755	12-C05	Rocky Mountain 12oz	Windy City Fire Department	2	Demo	4/10/2009		
4/10/2009	4754	12-D11	Emerald City 12oz	Hood River Pizza	0	Demo	4/10/2009		
4/10/2009	4753	6-D04	Take a Chance 6oz	The Spa and Salon	3	Demo	4/10/2009		
4/10/2009	4752	2-S21	Waterfront 2 lbs.	Columbia Café	9	Demo	4/10/2009		
4/10/2009	4748	12-M02	Hole in One 12oz	Billy Bob's Barbeque	2	Demo	4/10/2009		

Coffee Form – Graph by Month or Weekday

The Coffee Form provides annual summary information for the coffee item in both a graphical and numerical form. The totals of each coffee item produced are provided in lbs by month and by weekday. The graph can toggle between lbs production totals for each month or for each weekday.

In addition, the Coffee Form provides access to enter new coffees and manage records for existing coffees. The History control provides access to detailed production history (table format) for the specified coffee item.

The screenshot displays the ACS Coffee Form interface for 'High Mountain Coffee Roasters, Inc.' The main window shows production data for the coffee item 'Old Flame House Blend 5 lbs.' (ID: 92, GroupID: R14). The data is presented in a table format for YTD Lbs by month and a bar chart for Lbs Produced by month.

Week:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
YTD Lbs	700	515	1,080	360	0	0	0	0	0	0	0	0

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Mean	0.00	116.25	83.33	56.43	59.29	100.00	0.00
Count	0	12	3	7	7	2	0
St. Dev.	0.0000	76.0420	47.2582	29.5401	33.8414	56.5685	0.0000

Coffee Produced

Month	Lbs Produced
Jan	700
Feb	515
Mar	1080
Apr	360
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0

The interface also includes a sidebar with fields for ID (92), Coffee (5-R14), GroupID (R14), NameID (Old Flame House Blend 5 lbs.), Size (5.00), Sales (4), Shelf, MaximumInv (4), Finished, Discontinued (checkbox), LastFinish (Sa8 Sh0 (F12) 4/10/2009 7:38:54 AM), and Notes.

Coffee Roaster Hardware and Software Requirements

Coffee Roaster is designed to run on Windows XP (SP2 or later) or Windows Vista within the hardware requirements for Microsoft Access. Hardware which minimally meets requirements can create a productivity bottleneck so it is strongly recommended that the hardware hosting the Coffee Roaster Production application be modern business class hardware from a reputable manufacturer such as Dell, Gateway, HP or Intel. Hardware hosting the Management or Roaster modules should meet the same requirements. These modules require less local processing, however, they do need good network hardware as their information must come across the network. Modern laptops with display capabilities of 1152 x 864 or greater work well for the management module.

Computer Hardware Requirements			
Hardware	Minimum	Recommended	Preferred
Computer and Processor	500 Mhz Processor or higher	2.8Ghz Processor or higher	2.0 Ghz Intel Dual Core Processor or Higher
Memory	512M for XP, 1G for Vista	1G or Higher	2G
Hard Disk – Coffee Roaster Management and Roaster Modules	200 M for Coffee Roaster Modules		
Hard Disk Data Only – Production Module Only	5G for data storage above and beyond Operating System and other application requirements. In addition, the disk should have a minimum of 20% free space. The size of the HD required is ultimately determined by how much data needs to be stored. <i>Maximum Coffee Roaster back end file size is 2G.</i>	20G for data storage above and beyond Operating System and other application requirements. In addition, the disk should have a minimum of 20% free space. <i>Maximum Coffee Roaster back end file size is 2G</i>	<i>Maximum Coffee Roaster back end file size is 2G</i>
CD/DVD	CD required for installation		
Operating System	Windows XP Professional Sp2 or later, Windows Vista Business SP1 or later, Windows Server		

	2003 Sp1 or later. Windows Vista requires a Quickbooks 2007.5 or greater release.		
Video	1024 x 768 The 1024 x 768 mode requires scrolling to view the full width of the Coffee Roaster Application. Vertical scrolling may also be required depending on the number of Coffee Groups/Items.	1152 x 864 Coffee Roaster does not require a “gaming” type Video Card. A quality 2D card with 256M or more memory is recommended. Vertical scrolling may be required depending on the number of Coffee Groups/Items.	1440 x 900
Network	Fast Ethernet	Gigabit Ethernet	Gigabit Ethernet

QODBC and QuickBooks Software Requirements	
QODBC to QuickBooks Software Interface	Coffee Roaster connects to QuickBooks through the QODBC Version 8 or Version 9 ODBC interface.
QuickBooks 2002 – 2009 Accounting Software	It is possible to host both QuickBooks and Coffee Roaster on the same machine. The QODBC application interface may require an additional QuickBooks multiuser license depending on configuration. Coffee Roaster currently does not connect to Quickbooks POS.



New Preconfigured HP Hardware

You can purchase Coffee Roaster preinstalled on a new HP Business Class computer. When purchasing a new business class computer it is recommended that you invest in quality hardware that will provide the horsepower necessary for software changes over the years. The better hardware you invest in the longer the hardware will be viable in adapting to future computing changes. An example of a recommended computer is below.



HP dc7900 minitower Workstation E8500 CPU, 160GB HD, 2GB Memory Vista or XP Pro

- 160 GB Hard Drive
- 2GB Memory
- Vista Business or XP Pro
- Intel® Core™2 Duo E8500 processor (3.16 GHz, 6 MB L2 cache, 1333 MHz FSB)
- 365W power supply – active PFC; 365W 85% efficient power supply – active PFC
- SATA DVD/CD-RW combo; SATA SuperMulti LightScribe DVD Writer
- ATI Radeon HD 3650 (512 MB DH) PCIe x16
- Integrated High Definition audio with ADI1884 codec (all ports are stereo); Internal speaker
- Integrated Intel 82567LM Gigabit Network Connection; Intel PRO/1000 CT PCIe x1 Gigabit NIC
- Dimensions (w x d x h) 7.00 x 17.80 x 17.63 in (177.80 x 452.12 x 447.80 mm)
- 3/3/3 standard warranty. Three years onsite, next business day, three years parts and three years labor and includes free telephone support 24 x 7. Certain restrictions and exclusions apply.