



# Reference Book



## Industrial Applications

SEPTEMBER 2002

# Main Application List

## MB Series

BURNER MODEL	FUEL	BURNER OUTPUT (kW)	APPLICATION	COUNTRY	ACTIVITY SECTOR	INSTALLATION DATA	N° of units	Photo (page)
MB 4 LE	light oil	4000	water heating	GERMANY	district heating	2000	2	3
MB 4 SE	natural gas	3650	super heated water	ITALY	heating	2001	1	
MB 6 SE	natural gas	4500	steam boiler	POLAND	paper factory	2001	2	3
MB 6 SE	natural gas	4650	steam boiler	CROATIA	textile	2001	2	4
MB 6 SE	natural gas	5000	water heating	ITALY	heating	2000	1	5
MB 6 SE	natural gas	5000	steam boiler	ITALY	heating	2000	1	
MB 6 SE	natural gas	5400	steam boiler	ITALY	medical centre	1999	1	4
MB 4 SE BLU	natural gas	2500	hot water	GERMANY	heating	2000	1	5
MB 4 SE BLU	natural gas	2800	steam boiler	HUNGARY	district heating	2001	2	6
MB 4 SE BLU	natural gas	3000	steam boiler	HOLLAND	heating	2000	1	7
MB 4 SE BLU	natural gas	3000	steam boiler	HUNGARY	district heating	2001	3	6
MB 6 SE BLU	natural gas	6000	steam boiler	ITALY	heating	2000	1	7
MB 8 SV BLU	natural gas	6500	hot water	ITALY	district heating	2001	2	8
MB 10 SV BLU	natural gas	8700	hot water	ITALY	district heating	2001	3	8

## TI Series

BURNER MODEL	FUEL	BURNER OUTPUT (kW)	APPLICATION	COUNTRY	ACTIVITY SECTOR	INSTALLATION DATA	N° of units	Photo (page)
TI 14 P/G	light oil	9000	steam boiler	SAUDI ARABIA	desalination	2000	1	
TI 10 P/N	heavy oil	3300	steam boiler	MOROCCO	textile	2001	1	
TI 10 P/N	heavy oil	3500	thermal fluid	ITALY	paper factory	2001	1	
TI 11 P/N	heavy oil	5000	steam boiler	ITALY	textile	1998	1	
TI 12 P/N	heavy oil	5600	steam boiler	ITALY	district heating	1998	2	
TI 13 P/N	heavy oil	9000	steam boiler	TURKEY	food	2001	1	9
TI 11 E/N	heavy oil - water emulsion	6000	water heating	ITALY	district heating	2002	1	
TI 12 E/N	heavy oil - water emulsion	7000	water heating	ITALY	district heating	2002	1	
TI 10 P/M	natural gas	2300	steam boiler	ITALY	packaging	1998	1	
TI 10 P/M	natural gas	2500	steam boiler	ITALY	textile	1998	1	
TI 10 P/M	natural gas	2500	steam boiler	ITALY	food	1999	1	
TI 10 P/M	natural gas	2500	steam boiler	ITALY	packaging	1999	1	
TI 10 P/M	natural gas	2500	thermal fluid	ITALY	-	1998	1	
TI 10 P/M	natural gas	2500	thermal fluid	ITALY	heating	2000	2	
TI 10 P/M	natural gas	2600	thermal fluid	ITALY	textile	2000	1	
TI 10 P/M	natural gas	3000	steam boiler	ITALY	-	1998	1	
TI 10 P/M	natural gas	3000	steam boiler	ITALY	food	1998	1	
TI 10 P/M	natural gas	3000	steam boiler	ITALY	packaging	1999	1	
TI 10 P/M	natural gas	3000	steam boiler	ITALY	food	1999	2	
TI 10 P/M	natural gas	3000	thermal fluid	ITALY	food	2001	1	
TI 10 P/M	natural gas	3200	steam boiler	ITALY	food	1998	1	
TI 10 P/M	natural gas	3200	thermal fluid	ITALY	food	1999	1	
TI 10 P/M	natural gas	3350	thermal fluid	ITALY	district heating	1999	1	
TI 10 P/M	natural gas	3400	steam boiler	ITALY	packaging	2000	1	9
TI 10 P/M	natural gas	3500	steam boiler	ITALY	tobacco factory	2001	2	
TI 10 P/M	natural gas	3500	thermal fluid	ITALY	heating	2000	1+1	
TI 10 P/M	natural gas	3750	water heating	ITALY	heating	2000	1	
TI 10 P/M	natural gas	3800	steam boiler	ITALY	packaging	1998	1	
TI 10 P/M	natural gas	4000	steam boiler	ITALY	food	1999	1	10
TI 11 P/M	natural gas	4000	steam boiler	ITALY	food	1998	1	
TI 11 P/M	natural gas	6000	steam boiler	ITALY	food	1999	1	
TI 11 P/M	natural gas	6000	steam boiler	ITALY	food	2001	1	10
TI 12 P/M	natural gas	6000	steam boiler	ITALY	paper factory	1998	2	
TI 12 P/M	natural gas	6000	thermal fluid	ITALY	plastic factory	1998	1	
TI 14 P/M	natural gas	10000	super heated water	ITALY	district heating	1998	2	
TI 14 P/M	natural gas	11000	steam boiler	ITALY	heating	2000	1	
TI 10 E/M	natural gas	3400	steam boiler	ITALY	food	2001	4	10
TI 10 E/M	natural gas	3500	steam boiler	ITALY	food	2000	3	11
TI 10 E/M	natural gas	5000	steam boiler	ITALY	food	1999	1	
TI 10 E/M	natural gas	6000	steam boiler	ITALY	food	2000	1	
TI 10 E/M	natural gas	6000	steam boiler	ITALY	food	2002	2	
TI 11 E/M	natural gas	5000	steam boiler	ITALY	food	2001	1	
TI 14 E/M	natural gas	9300	steam boiler	ITALY	food	1999	1	11
TI 14 E/M	natural gas	9400	super heated water	ITALY	heating	1999	2	12
TI 10 P/P	LPG	2500	steam boiler	ITALY	packaging	1999	1	
TI 10 P/GM	light oil / natural gas	3800	thermal fluid	ITALY	district heating	1998	2	
TI 12 P/GM	light oil / natural gas	4800	steam boiler	ITALY	heating	1998	3	
TI 12 P/GM	light oil / natural gas	5500	steam boiler	ITALY	heating	1999	1	
TI 12 P/GM	light oil / natural gas	6000	super heated water	ITALY	heating	1999	4	
TI 10 P/NM	heavy oil / natural gas	2500	steam boiler	ITALY	food	1998	1	
TI 10 P/NM	heavy oil / natural gas	3300	thermal fluid	ITALY	steel plant	1998	1	
TI 10 P/NM	heavy oil / natural gas	3500	steam boiler	SAUDI ARABIA	textile	2001	1	
TI 10 P/NM	heavy oil / natural gas	3500	thermal fluid	ITALY	medical centre	1999	3	
TI 11 P/NM	heavy oil / natural gas	4000	steam boiler	ITALY	heating	2000	1	
TI 11 P/NM	heavy oil / natural gas	4500	steam boiler	ITALY	heating	1998	1	
TI 11 P/NM	heavy oil / natural gas	4500	steam boiler	ITALY	heating	1999	1	
TI 11 P/NM	heavy oil / natural gas	5000	steam boiler	TURKEY	textile	2001	1	
TI 11 P/NM	heavy oil / natural gas	5000	thermal fluid	ITALY	heating	1999	2	
TI 12 P/NM	heavy oil / natural gas	6000	steam boiler	TURKEY	textile	2001	1	
TI 12 P/NM	heavy oil / natural gas	6000	water heating	ITALY	heating	2000	1	
TI 12 P/NM	heavy oil / natural gas	7000	steam boiler	RUMANIA	-	1999	1	
TI 12 P/NM	heavy oil / natural gas	7500	steam boiler	TURKEY	textile	2001	1	12

# MB Series

**Burner type** MB4LE  
**Burner output** 4000 [kW]  
**Number of units** 2  
**Activity sector** District heating  
**Country** Germany  
**Installation date** July 2000

**Customer**  
**Application** Hot water  
**Fuel type (....)** Light oil  
**Boiler make** Hoval  
**Boiler type** THW-I 46/35  
**Emissions class**  
**Note**



**Burner type** MB6SE  
**Burner output** 4500 [kW]  
**Number of units** 2  
**Activity sector** Paper industry  
**Country** Poland  
**Installation date** March 2001

**Customer**  
**Application** Steam boiler  
**Fuel type (....)** Natural gas (G 20)  
**Boiler make** TORUS  
**Boiler type** PGO-6500  
**Emissions class**  
**Note**

# MB Series



**Burner type** MB6SE  
**Burner output** 5400 [kW]  
**Number of units** 1  
**Activity sector** Medical center  
**Country** Italy  
**Installation date** February 1999

**Customer**  
**Application** Steam boiler  
**Fuel type (....)** Natural gas (G 20)  
**Boiler make** ICI  
**Boiler type** 3 - pass  
**Emissions class**  
**Note**

**Burner type** MB6SE  
**Burner output** 4650 [kW]  
**Number of units** 2  
**Activity sector** Textile  
**Country** Croatia  
**Installation date** July 2001

**Customer**  
**Application** Steam boiler  
**Fuel type (....)** Natural gas (G 20)  
**Boiler make** Ferroli  
**Boiler type** Vaporex 3G4000  
**Emissions class**  
**Note**



# MB Series



**Burner type** MB4SE BLU  
**Burner output** 2500 [kW]  
**Number of units** 1  
**Activity sector** Heating  
**Country** Germany  
**Installation date** April 2000

**Customer**  
**Application** Hot water boiler  
**Fuel type (....)** Natural gas (G 20)  
**Boiler make** Viessmann Turbomat R-3000  
**Boiler type** 3 - pass  
**Emissions class**  
**Note**



**Burner type** MB6SE  
**Burner output** 5000 [kW]  
**Number of units** 1  
**Activity sector** Heating  
**Country** Italy  
**Installation date** April 2000

**Customer**  
**Application** Steam boiler  
**Fuel type (....)** Natural gas  
**Boiler make** Biasi  
**Boiler type** OPAC 4  
**Emissions class**  
**Note**

# MB Series



<b>Burner type</b>	MB4SE BLU
<b>Burner output</b>	2800 [kW]
<b>Number of units</b>	2
<b>Activity sector</b>	District heating
<b>Country</b>	Hungary
<b>Installation date</b>	October 2001
<b>Customer</b>	
<b>Application</b>	Steam boiler
<b>Fuel type (....)</b>	Natural gas
<b>Boiler make</b>	Viessmann
<b>Boiler type</b>	Vitomax 200
<b>Emissions class</b>	3 (low NOx)
<b>Note</b>	Continuous operation



<b>Burner type</b>	MB4SE BLU	<b>Customer</b>	
<b>Burner output</b>	3000 [kW]	<b>Application</b>	Steam boiler
<b>Number of units</b>	3	<b>Fuel type (....)</b>	Natural gas
<b>Activity sector</b>	District heating	<b>Boiler make</b>	Viessmann
<b>Country</b>	Hungary	<b>Boiler type</b>	Vitomax 200
<b>Installation date</b>	October 2001	<b>Emissions class</b>	3 (low NOx)
		<b>Note</b>	Continuous operation

# MB Series



<b>Burner type</b>	MB4SE BLU
<b>Burner output</b>	3000 [kW]
<b>Number of units</b>	1
<b>Activity sector</b>	Heating
<b>Country</b>	Holland
<b>Installation date</b>	November 2000

<b>Customer</b>	Le Pair
<b>Application</b>	Steam boiler
<b>Fuel type (....)</b>	Natural gas
<b>Boiler make</b>	Garioni Naval
<b>Boiler type</b>	NG4000
<b>Emissions class</b>	3 (low NOx)
<b>Note</b>	

<b>Burner type</b>	MB6SE BLU
<b>Burner output</b>	6000 [kW]
<b>Number of units</b>	1
<b>Activity sector</b>	Heating
<b>Country</b>	Italy
<b>Installation date</b>	February 2000

<b>Customer</b>	Biasi
<b>Application</b>	Steam boiler
<b>Fuel type (....)</b>	Natural gas
<b>Boiler make</b>	Biasi
<b>Boiler type</b>	CPV8000/12
<b>Emissions class</b>	3 (low NOx)
<b>Note</b>	



# MB Series



**Burner type** MB10SV BLU  
**Burner output** 8700 [kW]  
**Number of units** 3  
**End user** FDS - Rubattino district  
**Activity sector** District heating  
**Country** Italy  
**Installation date** July 2001

**Customer**  
**Application** Hot waterboiler  
**Fuel type (....)** Natural gas (G 20)  
**Boiler make** Viessmann  
**Boiler type** Vitomax 8000  
**Emissions class** 3 (low NOx)  
**Note** Fan speed control

**Burner type** MB8SV BLU  
**Burner output** 6500 [kW]  
**Number of units** 2  
**End user** FDS - Pompeo Leoni district  
**Activity sector** District heating  
**Country** Italy  
**Installation date** July 2001

**Customer**  
**Application** Hot water boiler  
**Fuel type (....)** Natural gas (G 20)  
**Boiler make** Viessmann  
**Boiler type** Vitomax 6000  
**Emissions class** 3 (low NOx)  
**Note** Fan speed control





# TI Series

**Burner type** TI 13 P/N  
**Burner output** 9000 [kW]  
**Number of units** 1  
**Activity sector** Food  
**Country** Turkey  
**Installation date** July 2001

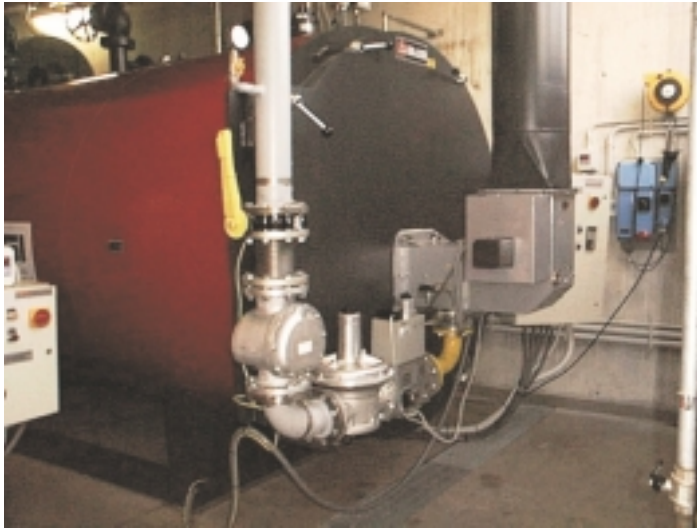
**Customer**  
**Application** Steam boiler  
**Fuel type (....)** Heavy oil  
**Boiler make** Erensan  
**Boiler type** HDK 1500  
**Emissions class**  
**Note**



**Burner type** TI 10 P/M  
**Burner output** 3400 [kW]  
**Number of units** 1  
**Activity sector** Packaging  
**Country** Italy  
**Installation date** August 2000

**Customer**  
**Application** Steam boiler  
**Fuel type (....)** Natural gas  
**Boiler make** Mingazzini  
**Boiler type** PB40  
**Emissions class**  
**Note**

# TI Series



**Burner type** TI 10 P/M  
**Burner output** 4000 [kW]  
**Number of units** 1  
**Activity sector** Food  
**Country** Italy  
**Installation date** June 1999

**Customer**  
**Application** Steam boiler  
**Fuel type (....)** Natural gas (G 20)  
**Boiler make** Biasi  
**Boiler type** Reverse flame  
**Emissions class**  
**Note**



**Burner type** TI 11 P/M  
**Burner output** 6000 [kW]  
**Number of units** 1  
**Activity sector** Food  
**Country** Italy  
**Installation date** December 2001

**Customer**  
**Application** Steam boiler  
**Fuel type (....)** Natural gas (G 20)  
**Boiler make** Babcock - Wanson  
**Boiler type** DWSHD800  
**Emissions class**  
**Note**

**Burner type** TI 10 E/M  
**Burner output** 3400 [kW]  
**Number of units** 4  
**Activity sector** Food  
**Country** Italy  
**Installation date** February 2001

**Customer**  
**Application** Steam boiler  
**Fuel type (....)** Natural gas (G 20)  
**Boiler make** Mingazzini  
**Boiler type** PB50  
**Emissions class**  
**Note**



# TI Series

<b>Burner type</b>	TI 10 E/M
<b>Burner output</b>	3500 [kW]
<b>Number of units</b>	4
<b>Activity sector</b>	Food
<b>Country</b>	Italy
<b>Installation date</b>	May 2000
<b>Customer</b>	
<b>Application</b>	Steam boiler
<b>Fuel type (....)</b>	Natural gas
<b>Boiler make</b>	Mingazzini
<b>Boiler type</b>	PB50
<b>Emissions class</b>	
<b>Note</b>	Micromodulation system



<b>Burner type</b>	TI 14 E/M
<b>Burner output</b>	9300 [kW]
<b>Number of units</b>	1
<b>Activity sector</b>	Food
<b>Country</b>	Italy
<b>Installation date</b>	July 1999
<b>Customer</b>	
<b>Application</b>	Steam boiler
<b>Fuel type (....)</b>	Natural gas (G 20)
<b>Boiler make</b>	Standardkessel
<b>Boiler type</b>	3-pass
<b>Emissions class</b>	
<b>Note</b>	Micromodulation system



# TI Series



**Burner type** TI 14 E/M  
**Burner output** 9400 [kW]  
**Number of units** 2  
**Activity sector** Heating  
**Country** Italy  
**Installation date** December 1999

**Customer**  
**Application** Overheated water  
**Fuel type (....)** Natural gas (G 20)  
**Boiler make** ICI  
**Boiler type** ASG 8000  
**Emissions class**  
**Note** Micromodulation system



**Burner type** TI 12 P/NM  
**Burner output** 7500 [kW]  
**Number of units** 1  
**Activity sector** Textile  
**Country** Turkey  
**Installation date** July 2001

**Customer**  
**Application** Steam boiler  
**Fuel type (....)** Heavy oil/Natural gas  
**Boiler make** Erensan  
**Boiler type** HDK 1000  
**Emissions class**  
**Note**