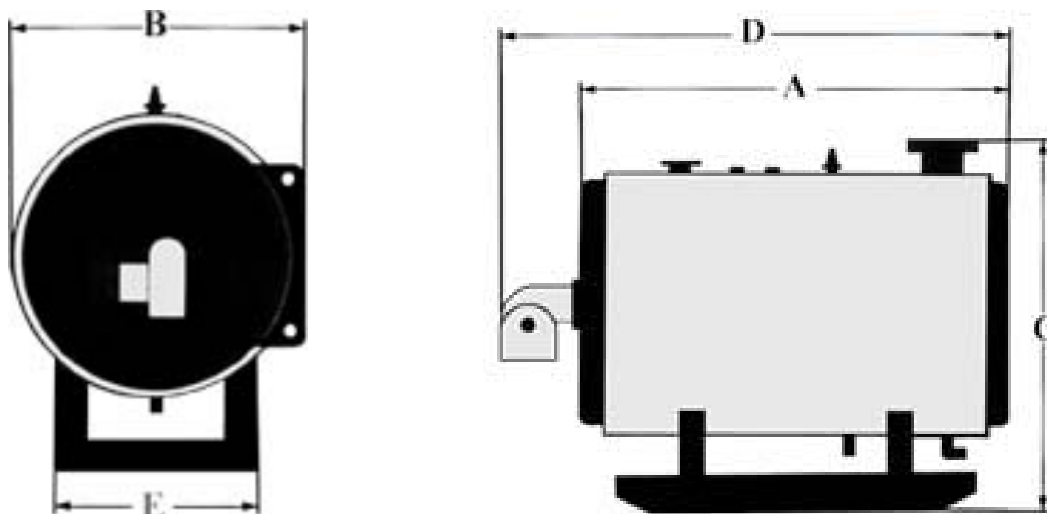


Hot Water Boiler Type WH3P75



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P75	75 000	8	8.5	1350	1000	1450	1500	450

**** Technical Data General:**

Model	: WH ₃ P 75.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 75 000 K. cal/hr, 300 000 B.T. U.
Power	: 88 K.W., 8 BHP.
Thermal eff.	: 84 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 1.7 m ³ /hr.
Area of Heat Transfer (Total)	: 4.2 m ² .
Back Pressure	: 4 m bar.
CO₂ Percentage (average)	: 13 % (max).
Fuel Consumption	: 8 Kg/hr (Light oil), 8.5 m ³ /hr (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 150 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 25. : Water Outlet : DN 25. : Safety Valve Opp. : DN 13. : Drain : DN 20. : Smoke Outlet (Stack) : 150 mm.
Empty Weight	: 370 Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³ .
	: Sealing	: Amient ropes, diameter 30 mm.
Painting		: Silver Enamel, anti corrosion, heat & fire resistant.
Lift Eyes		: Two lift eyes, distributing the boiler weight equally.
Front & Rear doors		: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.
Base Frame		: I Beam sections, Coated with silver Enamel paint.

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: G 10/ FS 20/ RLS 28
Heat Out Put	: 54 - 325 KW.
Oil Consumption	: 4.5 - 28 Kg/hr.
Gas Consumption	: 8.1 - 32.5 Nm ³ /h

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3. Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

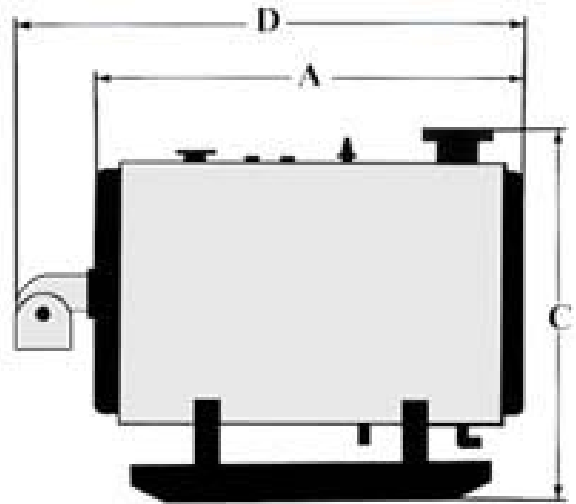
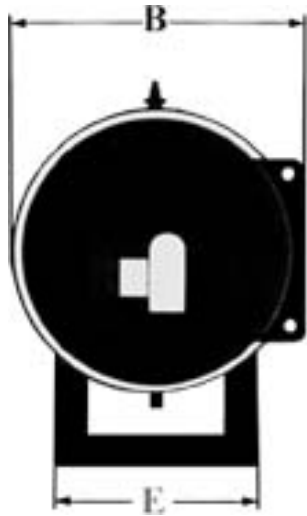
Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

i.e. All standard accessories are subject for change without prior notice and it is only the manufacturer rights (please ask for the specific catalogues)

Hot Water Boiler Type WH3P140



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P140	140 000	14	15	1650	1000	1500	1800	450

**** Technical Data General:**

Model	: WH ₃ P 140.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 140 000 K. cal/hr, 560 000 B.T. U.
Power	: 163 K.W., 15 BHP.
Thermal eff.	: 84 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 3.1 m ³ /hr.
Area of Heat Transfer (Total)	: 5.2 m ² .
Back Pressure	: 4m. bar.
CO₂ Percentage (average)	: 13 % (max).
Fuel Consumption	: 14 Kg/hr. (Light oil), 15 m ³ /hr (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 300 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 40. : Water Outlet : DN 40. : Safety Valve Opp. : DN 20. : Drain : DN 20. : Smoke Outlet (Stack) : 210 mm.
Empty Weight	: 480 Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³ .
	: Sealing	: Amient ropes, diameter 30 mm.
Painting		: Silver Enamel, anti corrosion, heat & fire resistant.
Lift Eyes		: Two lift eyes, distributing the boiler weight equally.
Front & Rear doors		: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.
Base Frame		: I Beam sections, Coated with silver Enamel paint.

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: G 10/ FS 20/ RLS 28
Heat Out Put	: 54 - 325 KW.
Oil Consumption	: 4.5 - 28 Kg/hr.
Gas Consumption	: 8.1 - 32.5 Nm ³ /h

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3. Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

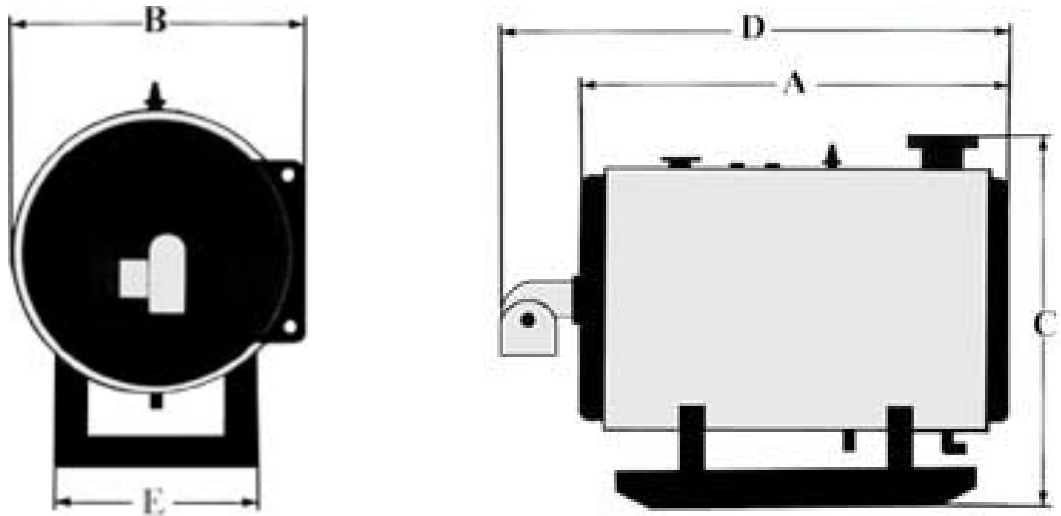
Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

i.e. All standard accessories are subject for change without prior notice and it is only the manufacturer rights (please ask for the specific catalogues)

Hot Water Boiler Type WH3P200



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P200	200 000	20	22	175	125	170	200	75

**** Technical Data General:**

Model	: WH ₃ P 200.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 200 000 K. cal/hr, 800 000 B.T. U.
Power	: 232 K.W., 22 BHP.
Thermal eff.	: 84 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 4.4 m ³ /hr.
Area of Heat Transfer (Total)	: 7.7 m ² .
Back Pressure	: 4m. bar.
CO₂ Percentage (average)	: 13 % (max)
Fuel Consumption	: 20 Kg/hr. (Light oil), 22 m ³ /hr (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 390 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 50. : Water Outlet : DN 50. : Safety Valve Opp. : DN 20. : Drain : DN 20. : Smoke Outlet (Stack) : 320 mm.
Empty Weight	: 685 Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³ .
	: Sealing	: Amient ropes, diameter 30 mm.
Painting		: Silver Enamel, anti corrosion, heat & fire resistant.
Lift Eyes		: Two lift eyes, distributing the boiler weight equally.
Front & Rear doors		: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.
Base Frame		: I Beam sections, Coated with silver Enamel paint.

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: RL 28/ RS 28/ RLS 28.
Heat Out Put	: 163 - 332 KW.
Oil Consumption	: 14 – 28 Kg/hr
Gas Consumption	: 16 – 32.5 Nm ³ /h

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3. Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

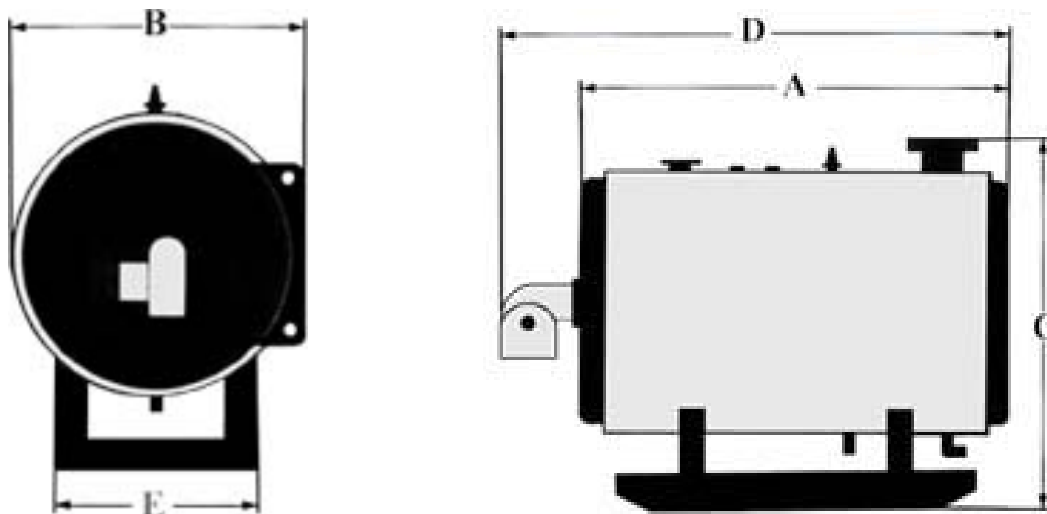
Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

i.e. All standard accessories are subject for change without prior notice and it is only the manufacturer rights (please ask for the specific catalogues)

Hot Water Boiler Type WH3P300



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P300	300 000	30	32	195	125	170	220	75

**** Technical Data General:**

Model	: WH ₃ P 300.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 300 000 K. cal/hr, 1200 000 B.T. U.
Power	: 350 K.W., 32 BHP.
Thermal eff.	: 85 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 6.7 m ³ /hr.
Area of Heat Transfer (Total)	: 9.34 m ² .
Back Pressure	: 4m. bar.
CO₂ Percentage (average)	: 13 % (max)
Fuel Consumption	: 8 Kg/hr. (Light oil), 32 m ³ /h (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 570 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 50. : Water Outlet : DN 50. : Safety Valve Opp. : DN 25. : Drain : DN 25. : Smoke Outlet (Stack) : 320 mm.
Empty Weight	: 770 Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³ .
	: Sealing	: Amient ropes, diameter 30 mm.
Painting	: Silver Enamel, anti corrosion, heat & fire resistant.	
Lift Eyes	: Two lift eyes, distributing the boiler weight equally.	
Front & Rear doors	: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.	
Base Frame	: I Beam sections, Coated with silver Enamel paint.	

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: RL 38/ RS 38/ RLS 38.
Heat Out Put	: 232 - 450 KW.
Oil Consumption	: 20 - 38 Kg/hr
Gas Consumption	: 23 - 44 Nm ³ /h

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3. Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

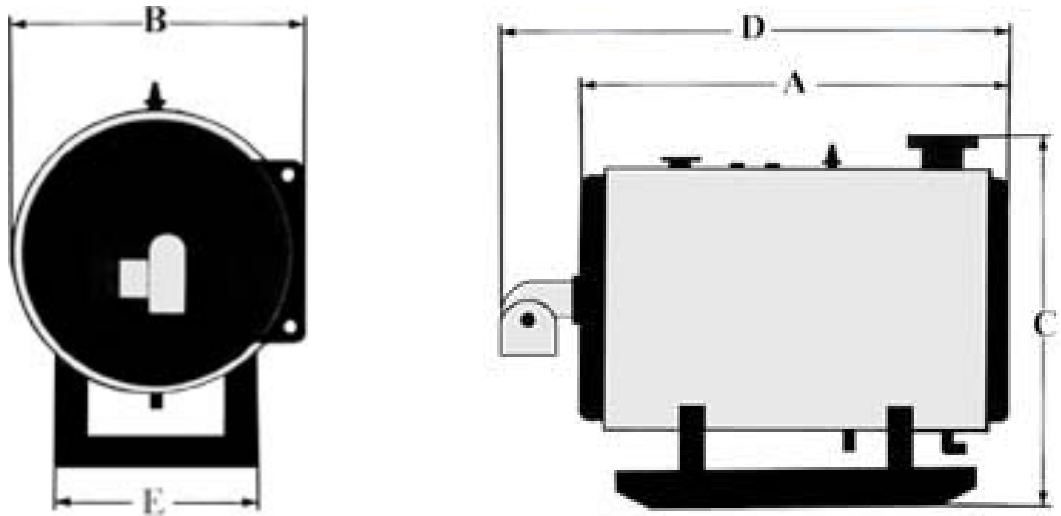
Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

i.e. All standard accessories are subject for change without prior notice and it is only the manufacturer rights (please ask for the specific catalogues)

Hot Water Boiler Type WH3P400



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P400	400 000	40	43	275	140	185	300	75

**** Technical Data General:**

Model	: WH ₃ P 400.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 400 000 K. cal/hr, 1600 000 B.T. U.
Power	: 465 K.W., 45 BHP.
Thermal eff.	: 85 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 8.9 m ³ /hr.
Area of Heat Transfer (Total)	: 23.5 m ² .
Back Pressure	: 4m. bar.
CO₂ Percentage (average)	: 13 % (max)
Fuel Consumption	: 40 Kg/hr. (Light oil), 43 m ³ /h (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 720 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 75. : Water Outlet : DN 75. : Safety Valve Opp. : DN 25. : Drain : DN 25. : Smoke Outlet (Stack) : 320 mm.
Empty Weight	: 770 Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³ .
	: Sealing	: Amient ropes, diameter 30 mm.
Painting		: Silver Enamel, anti corrosion, heat & fire resistant.
Lift Eyes		: Two lift eyes, distributing the boiler weight equally.
Front & Rear doors		: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.
Base Frame		: I Beam sections, Coated with silver Enamel paint.

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: RL 50/ RS 50/ RLS 50.
Heat Out Put	: 290 - 593 KW.
Oil Consumption	: 25 - 50 Kg/hr
Gas Consumption	: 29 - 58 Nm ³ /h

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3. Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

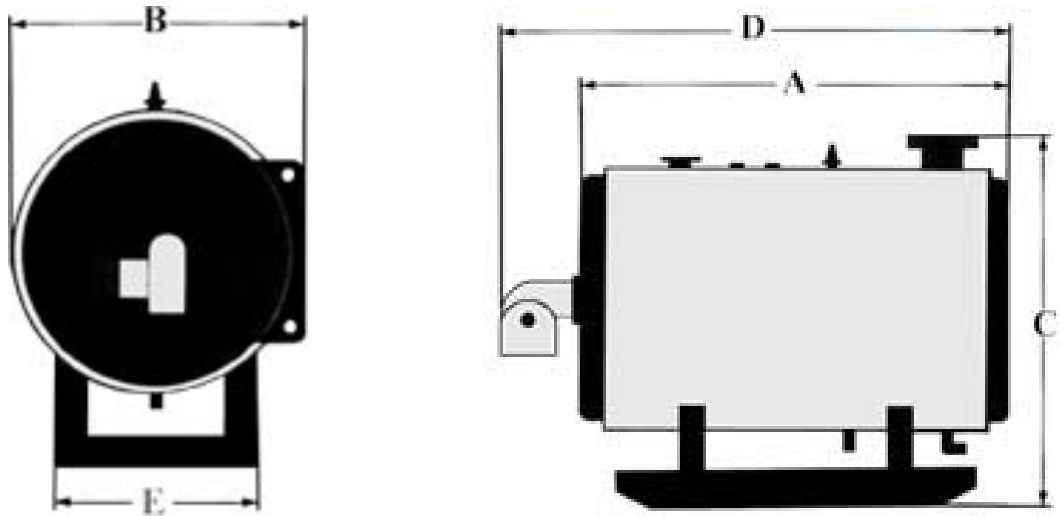
Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

i.e. All standard accessories are subject for change without prior notice and it is only the manufacturer rights (please ask for the specific catalogues)

Hot Water Boiler Type WH3P600



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P600	600 000	60	65	325	140	195	350	75

**** Technical Data General:**

Model	: WH ₃ P 600.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 600 000 K. cal/hr, 2400 000 B.T. U.
Power	: 700 K.W., 60 BHP.
Thermal eff.	: 85 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 13.3 m ³ /hr.
Area of Heat Transfer (Total)	: 30.6 m ²
Back Pressure	: 4m. bar.
CO₂ Percentage (average)	: 13 % (max).
Fuel Consumption	: 60 Kg/hr. (Light oil), 65 m ³ /hr (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 960 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 75. : Water Outlet : DN 75. : Safety Valve Opp. : DN 25. : Drain : DN 40. : Smoke Outlet (Stack) : 420 mm.
Empty Weight	: 1560 Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24 Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³ .
	: Sealing	: Amient ropes, diameter 30mm.
Painting	: Silver Enamel, anti corrosion, heat & fire resistant.	
Lift Eyes	: Two lift eyes, distributing the boiler weight equally.	
Front & Rear doors	: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.	
Base Frame	: I Beam sections, Coated with silver Enamel paint.	

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: RL 70/ RS 70/ RLS 70.
Heat Out Put	: 465 - 830 KW.
Oil Consumption	: 39 - 70 Kg/hr.
Gas Consumption	: 46.5 – 81.4 Nm ³ /h

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3. Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

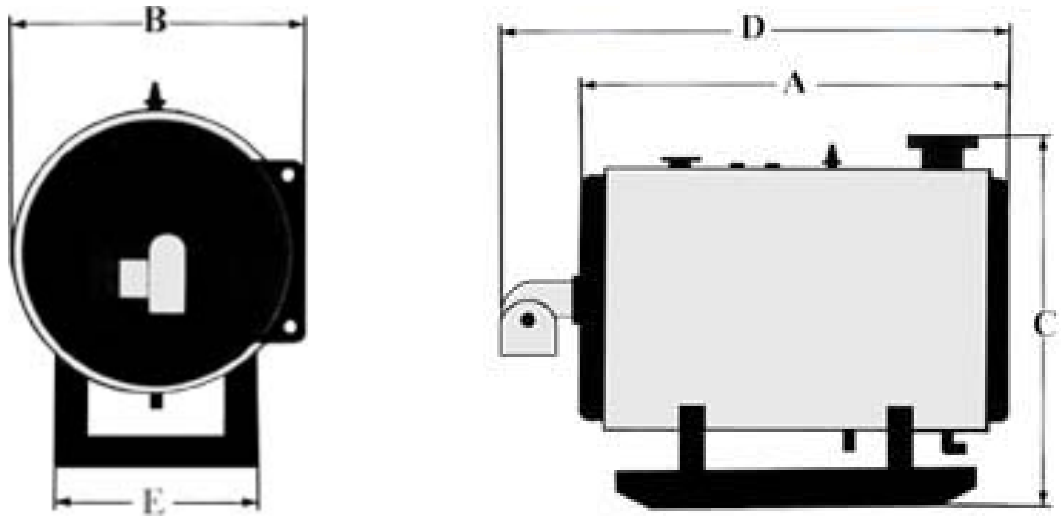
Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

i.e. All standard accessories are subject for change without prior notice and it is only the manufacturer rights (please ask for the specific catalogues)

Hot Water Boiler Type WH3P900



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P900	900 000	92	100	325	190	245	350	110

**** Technical Data General:**

Model	: WH ₃ P 900.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 900 000 K. cal/hr, 3 600 000 B.T. U.
Power	: 1045 K.W., 90 BHP.
Thermal eff.	: 86 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 18.9 m ³ /hr.
Area of Heat Transfer (Total)	: 44.4 m ² .
Back Pressure	: 4m. bar.
CO₂ Percentage (average)	: 13 % (max)
Fuel Consumption	: 92 Kg/hr. (Light oil), 100 m ³ /h (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 1400 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 75. : Water Outlet : DN 75. : Safety Valve Opp. : DN 40. : Drain : DN 40. : Smoke Outlet (Stack) : 420 mm.
Empty Weight	: 1960 Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³
	: Sealing	: Amient ropes, diameter 30 mm.
Painting	: Silver Enamel, anti corrosion, heat & fire resistant.	
Lift Eyes	: Two lift eyes, distributing the boiler weight equally.	
Front & Rear doors	: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.	
Base Frame	: I Beam sections, Coated with silver Enamel paint.	

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: RL 100/ RS 100/ RLS 100.
Heat Out Put	: 698 - 1186 KW.
Oil Consumption	: 59 - 100 Kg/hr
Gas Consumption	: 70 – 116 Nm ³ /h

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3. Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

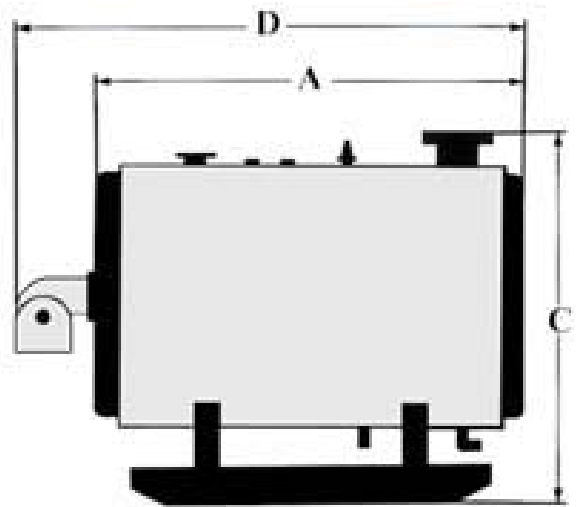
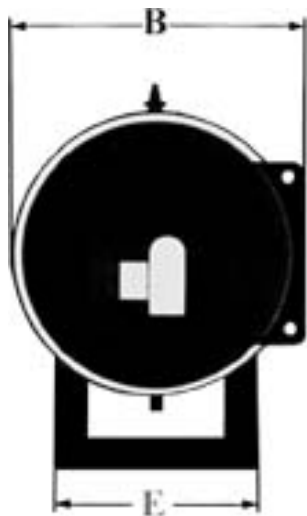
Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

i.e. All standard accessories are subject for change without prior notice and it is only the manufacturer rights (please ask for the specific catalogues)

Hot Water Boiler Type WH3P1200



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P1200	1200 000	130	150	395	190	245	425	110

**** Technical Data General:**

Model	: WH ₃ P 1200.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 1200 000 K. cal/hr, 4 800 000 B.T. U.
Power	: 1400 K.W., 132 BHP.
Thermal eff.	: 86 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 26.7 m ³ /hr.
Area of Heat Transfer (Total)	: 64 m ² .
Back Pressure	: 4m. bar.
CO₂ Percentage (average)	: 13 % (max)
Fuel Consumption	: 130 Kg/hr. (Light oil), 150 m ³ /h (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 2100 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 75. : Water Outlet : DN 75. : Safety Valve Opp. : DN 40. : Drain : DN 25. : Smoke Outlet (Stack) : 420 mm.
Empty Weight	: 4600 Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³ .
	: Sealing	: Amient ropes, diameter 30 mm.
Painting		: Silver Enamel, anti corrosion, heat & fire resistant.
Lift Eyes		: Two lift eyes, distributing the boiler weight equally.
Front & Rear doors		: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.
Base Frame		: I Beam sections, Coated with silver Enamel paint.

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: RL 130/ RS 130/ GI-EMME 1400.
Heat Out Put	: 820 - 1540 KW.
Oil Consumption	: 69 – 130 Kg/h
Gas Consumption	: 82 - 154 Nm ³ /hr

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3.Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

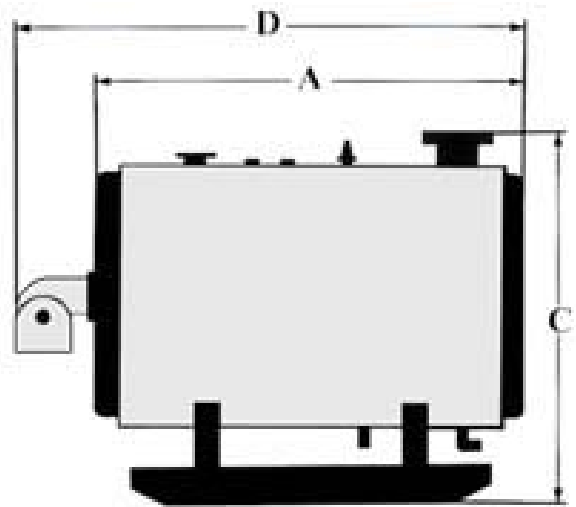
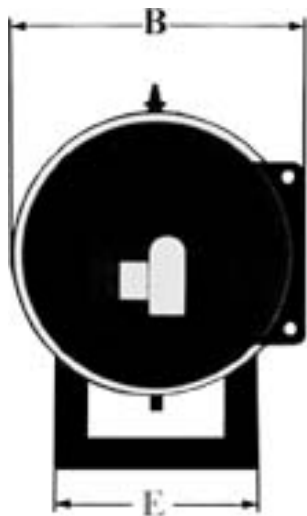
Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

i.e. All standard accessories are subject for change without prior notice and it is only the manufacturer rights (please ask for the specific catalogues)

Hot Water Boiler Type WH3P1600



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P1600	1600 000	175	215	400	215	325	415	110

**** Technical Data General:**

Model	: WH ₃ P 1600.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 1 600 000 K. cal/hr, 6400 000 B.T. U.
Power	: 1860 K.W., 175 BHP.
Thermal eff.	: 87 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 35.5 m ³ /hr.
Area of Heat Transfer (Total)	: 63.6 m ² .
Back Pressure	: 4m. bar.
CO₂ Percentage (average)	: 13 % (max).
Fuel Consumption	: 175 Kg/hr. (Light oil), 215 m ³ /h (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 2580 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 100. : Water Outlet : DN 100. : Safety Valve Opp. : DN 40. : Drain : DN 50. : Smoke Outlet (Stack) : 630 mm.
Empty Weight	: 5400 Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³ .
	: Sealing	: Amient ropes, diameter 30 mm.
Painting	: Silver Enamel, anti corrosion, heat & fire resistant.	
Lift Eyes	: Two lift eyes, distributing the boiler weight equally.	
Front & Rear doors	: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.	
Base Frame	: I Beam sections, Coated with silver Enamel paint.	

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: RL 190/ RS 190/ GI-EMME 2000.
Heat Out Put	: 1279 - 2443 KW.
Oil Consumption	: 99 - 206 Kg/hr
Gas Consumption	: 116 – 232.5 Nm ³ /h

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3.Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

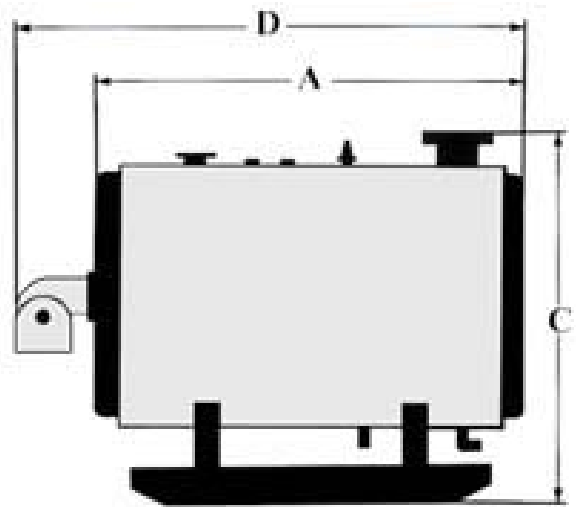
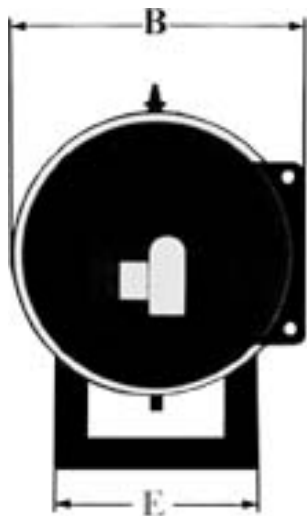
Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

i.e. All standard accessories are subject for change without prior notice and it is only the manufacturer rights (please ask for the specific catalogues)

Hot Water Boiler Type WH3P2000



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P2000	2000 000	214	270	430	215	325	450	120

**** Technical Data General:**

Model	: WH ₃ P 2000.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 2 000 000 K. cal/hr, 8000 000 B.T. U.
Power	: 2326 K.W., 214 BHP.
Thermal eff.	: 87 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 44.4 m ³ /hr.
Area of Heat Transfer (Total)	: 75.7 m ² .
Back Pressure	: 4m. bar.
CO2 Percentage (average)	: 13 % (max)
Fuel Consumption	: 214 Kg/hr. (Light oil), 270 m ³ /h (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 3100 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 125. : Water Outlet : DN 125. : Safety Valve Opp. : DN 50. : Drain : DN 75. : Smoke Outlet (Stack) : 630 mm.
Empty Weight	: 6700Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³ .
	: Sealing	: Amient ropes, diameter 30 mm.
Painting	: Silver Enamel, anti corrosion, heat & fire resistant.	
Lift Eyes	: Two lift eyes, distributing the boiler weight equally.	
Front & Rear doors	: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.	
Base Frame	: I Beam sections, Coated with silver Enamel paint.	

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: RL 190/ GAS 9P-M / GI-EMME 3000.
Heat Out Put	: 1423 - 3488 KW.
Oil Consumption	: 120 - 296 Kg/hr
Gas Consumption	: 174 - 349 Nm ³ /h

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3.Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

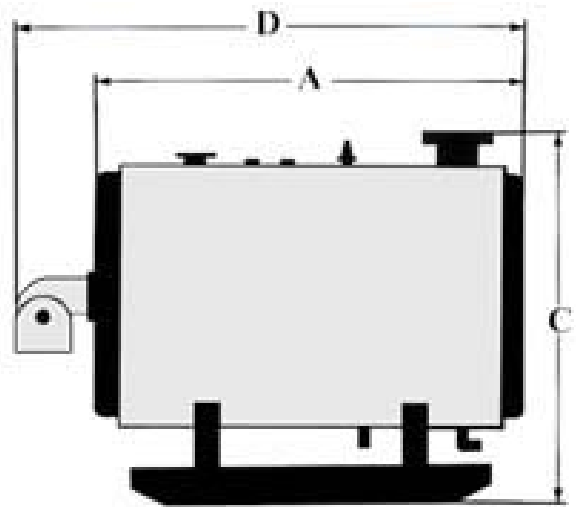
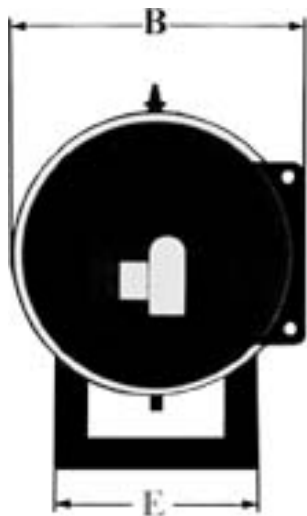
Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

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Hot Water Boiler Type WH3P3000



Type	Capacity K.cal/hr	Burner consumption		(A) mm	(B) mm	(C) mm	(D) mm	(E) mm
		Light oil	Natural gas					
WH3P3000	3000 000	275	345	550	215	325	450	140

**** Technical Data General:**

Model	: WH ₃ P 3000.
Type	: Horizontal, Fire tube 3 pass Boiler.
Thermal Cap	: 2 400 000 K. cal/hr, 9600 000 B.T. U.
Power	: 2800 K.W., 280 BHP.
Thermal eff.	: 87 %.
Testing Pressure	: 16 bar
Working Pressure	: 10 bar
Max Water disc. at 60° C	: 53.3 m ³ /hr.
Area of Heat Transfer (Total)	: 94.6 m ² .
Back Pressure	: 4m. bar.
CO₂ Percentage (average)	: 13 % (max)
Fuel Consumption	: 275 Kg/hr. (Light oil), 345 m ³ /h (Natural gas).
Exhaust gas temp.	: 230°C (max).
Water Content	: 4600 kg.
Materials Standards	: According to (TRD) and (DIN) standards : Smoke pipes, Seamless (According to {DIN} 17175. : Tube sheets & Shell, According to {DIN} 17155).
Boiler Openings	: Water Inlet : DN 125. : Water Outlet : DN 125. : Safety Valve Opp. : DN 50. : Drain : DN 75. : Smoke Outlet (Stack) : 630 mm.
Empty Weight	: 6700Kg.

i.e. All dimensions mentored are subject for change without prior notice

Insulation	: Boiler Body:	: 70 mm of glass wool, density 24Kg/m ³ , cladding with stainless steel (304 mirror)
	: Front & Rear doors	: 60 mm of casting Amient, density 80 Kg/m ³ .
	: Sealing	: Amient ropes, diameter 30 mm.
Painting		: Silver Enamel, anti corrosion, heat & fire resistant.
Lift Eyes		: Two lift eyes, distributing the boiler weight equally.
Front & Rear doors		: Easily opened, wide angle opening for easily maintenance the 1 st , 2 nd and 3 rd Pass.
Base Frame		: I Beam sections, Coated with silver Enamel paint.

**** Standard Accessories:**

1. Burner:

Type	: Riello or equivalent
Model	: P 300 P-G / GAS 9P-M/ GI-EMME 3000
Heat Out Put	: 1744 - 3488 KW.
Oil Consumption	: 148 – 296 Kg/hr
Gas Consumption	: 174 - 349 Nm ³ /h

2. Thermos Tatars

Type	: Caem or equivalent
Range	: 0 – 130 C.
No of Items	: Two.

3.Temp Gauge

Type	: Wika or equivalent
Range	: 0 – 250 C.
No of Items	: Two.

4. Pressure stators

Type	: Danfoss or equivalent
Range	: 0 – 12 Bar.
No of Items	: One.

5. Pressure gauge

Type	: Wika or equivalent
Range	: 0 – 16 Bar

6. Valves

Inlet, Outlet and drain valves are Gate. Cast iron flanged.

i.e. All standard accessories are subject for change without prior notice and it is only the manufacturer rights (please ask for the specific catalogues)