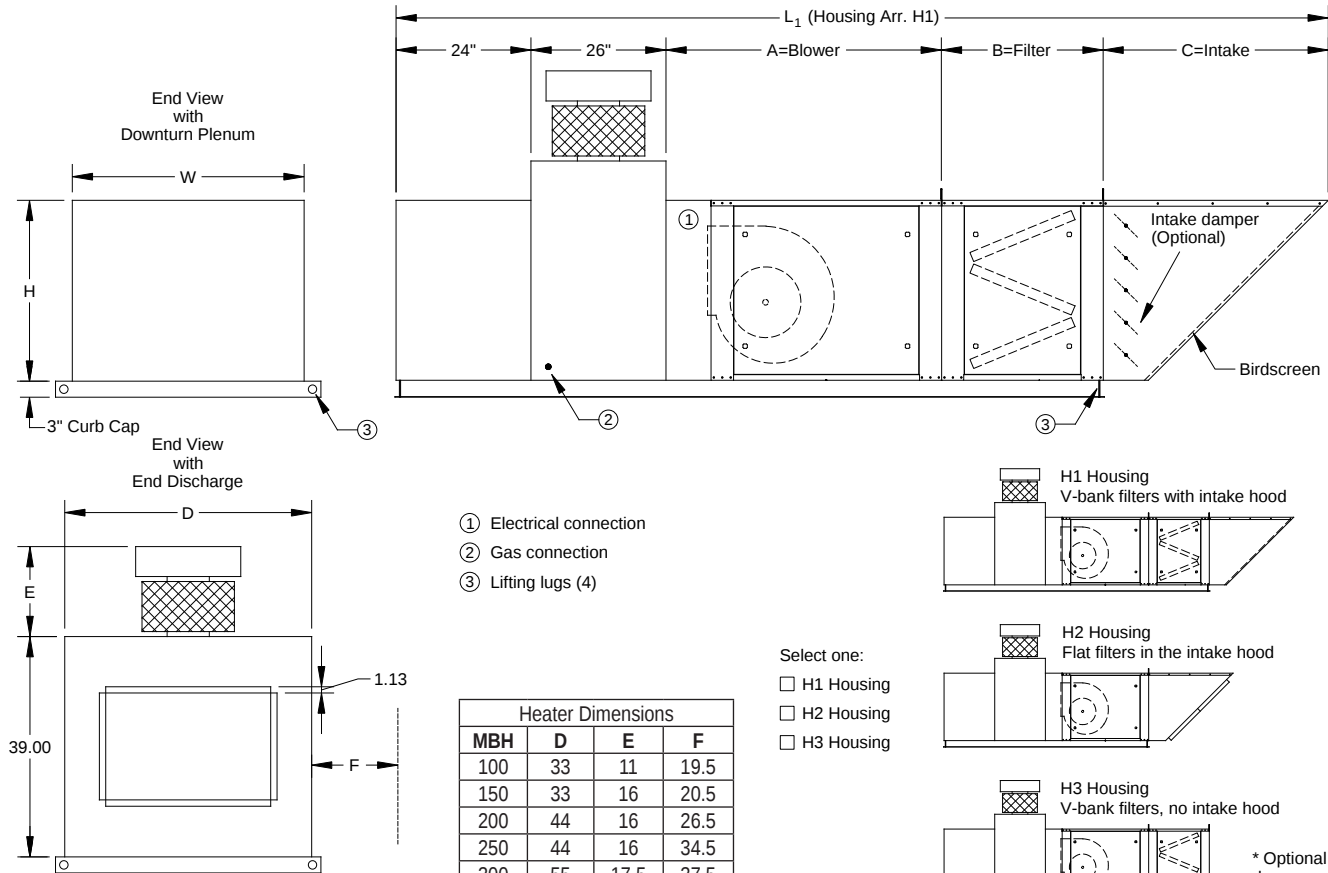


MODEL IFG INDIRECT FIRED MAKE-UP AIR HEATER



Notes:

- Intake hood and vent cap ship loose.
- Access doors typical on both sides.
- Refer to SD-IFG-INFO for CFM ranges, filter sizes, weights, curb cap sizes, discharge openings, and a bottom view.
- Refer to SD-IFG-CC for units with a cooling coil.
- Refer to SD-IFG-EVAP for units with an evaporative cooler.
- Refer to SD-IFG-CURB for curb dimensions and options.
- Gas inlet size: 1/2" NPT for 200 MBH heaters and below; all others 3/4" NPT.
- Temperature rise: 20 degree minimum, 90 degree maximum.
- Dimensions "W" and "H" are the width and height of the entire unit except for the heater where "D" is the width and the height is 39" plus "E".
- Power vented units do not have a vent cap; Dim. E = 0.
- Dimension "F" is the recommended clearance to service the burner drawer.

Model	Housing	Heater Sizes	A	B	C	Down Discharge			End Discharge			H	W
						L ₁	L ₂	L ₃ *	L ₁	L ₂	L ₃ *		
						H1 Hsg.	H2 Hsg.	H3 Hsg.	H1 Hsg.	H2 Hsg.	H3 Hsg.		
IFG-109	#1	100, 150, 200, 250	45	28	34	157	129	123	133	105	99	32	33
IFG-110													
IFG-110	#2	200, 250, 300	53	29	40	172	143	132	148	119	108	32	41
IFG-112													
IFG-115													
IFG-209	#2 Wide	300, 350, 400	53	29	40	172	143	132	148	119	108	32	52.5
IFG-210													
IFG-115	#3	300, 350, 400	69	28	54	201	173	147	177	149	123	46	52.5
IFG-118													
IFG-120													

To maintain KEES' policy of continuous product development, we reserve the right to change prices, specifications, ratings and dimensions without notice or obligation.

Project	Location				
Engineer				Dwg. No.	SD-IFG-1
Architect				Date	05/16
Contractor					



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Website: www.kees.com

MODEL IFG INDIRECT FIRED MAKE-UP AIR HEATER

Qty.	Model	CFM	S.P.	BHP	RPM	HP	Volts	Ph.	BTU (Input/Output)	Tag

General Construction

Housing

- Galvanized steel
- 1" fiberglass insulation
- Weatherproof construction
- Large access panels

Housing Options

- ☐ Painted housing - machinery grey
- ☐ Painted housing - special color: _____
- ☐ Double wall insulation
- ☐ Foil faced insulation
- ☐ Hinged access doors

Blower Section

- Forward curved, DWDI blower
- Precision machined steel shaft
- Blower wheels statically and dynamically balanced
- Adjustable V-belt drives
- Pulleys and belts selected for not less than 165% of driven HP
- Fan and motor mounted on vibration isolators
- Self-aligning pre-lubricated bearings
- EPACT rated motor

- ☐ ODP (standard)
- ☐ TEFC
- ☐ VFD
- ☐ Other _____

Electrical

- Unit is field wired (standard)
- Optional
 - ☐ Disconnect switch only (mounted and wired to motor)
 - _____ NEMA1
 - _____ NEMA3R
 - ☐ Motor control center with disconnect switch, one motor starter, fuse blocks and control transformer; single point wiring.
 - ☐ Extra motor starters:
 - _____ HP
 - _____ HP
 - ☐ Other _____

Heater Section

- AGA and CGA certified heater
- Indirect fired gas burner
- Inlet gas pressure
 - ☐ Natural gas (standard) _____ (ins/lbs)
 - ☐ Propane fuel _____ (ins/lbs)
- 80% combustion efficiency
- Venting
 - ☐ Gravity vented (standard)
 - ☐ Power vented
- Heat exchanger
 - ☐ 409 SS (standard)
 - ☐ 321 SS
 - ☐ Aluminized steel
- Burners
 - ☐ Aluminized steel (standard)
 - ☐ 409 SS
- Gas valve
 - ☐ One stage gas valve _____ with ductstat _____ with room stat
 - ☐ Two stage gas valve _____ with ductstat _____ with room stat
 - ☐ Mechanical modulating _____ with ductstat
 - ☐ Electronic modulating _____ with ductstat
 - _____ with ductstat and room override stat
 - _____ with room stat
 - _____ with DDC controls by others
 - ☐ Other _____
- High temperature limit switch
- Gas pressure regulator
- Electric spark intermittent pilot
- All components UL recognized and wired to terminal strip

Optional Accessories

Damper Options

- ☐ Motorized intake damper (mounted)
- ☐ Motorized discharge damper (field installed)
- ☐ End switch on damper
- ☐ Return air (requires drawing from factory)

Curb Options

- _____ Height
- ☐ Modular curb and rail (Arrangement A1)
- ☐ Roof curb and rail (Arrangement A2)
- ☐ Two support rails (Arrangement A3)
- ☐ Full perimeter curb (Arrangement A4)

Filter Options

- _____ Thickness
- ☐ Aluminum cleanable
- ☐ Fiberglass throw-away } not available with H2 Housing
- ☐ 30% efficient pleated
- ☐ Other _____

Cooling Options (requires drawing from factory)

- ☐ Chilled water
- ☐ Dx direct expansion
- ☐ Evaporative

Other Options

- ☐ Remote control panel
- Enclosure - surface mounted
 - ☐ NEMA12 plastic enclosure (standard)
 - ☐ Metal enclosure (NEMA rating: _____)
- 2-Position switches
 - ☐ Fan ☐ Heat ☐ Cool ☐ Hood lights
- Indicator lights
 - ☐ Fan ☐ Heat ☐ Cool ☐ Hood lights
 - ☐ Alarm ☐ Filter ☐ Other _____
- 3-Position switches
 - ☐ Heat-Off-Cool ☐ Summer-Off-Winter
 - ☐ Fan-Off-Auto ☐ Other _____
- ☐ Mild weather thermostat (inlet air sensor)
- ☐ Low temperature limit (freezestat)
- ☐ Clogged filter switch
- ☐ Gas pressure safety switch (high, low or both)
- ☐ Convenience outlet (115V service receptacle)
- ☐ High gas pressure regulator
- ☐ Time clock
- ☐ Occupied/Unoccupied (Night setback)
- ☐ Discharge diffuser (3-way or 4-way)
- ☐ Elevation (over 2,000'): _____
- ☐ Other _____

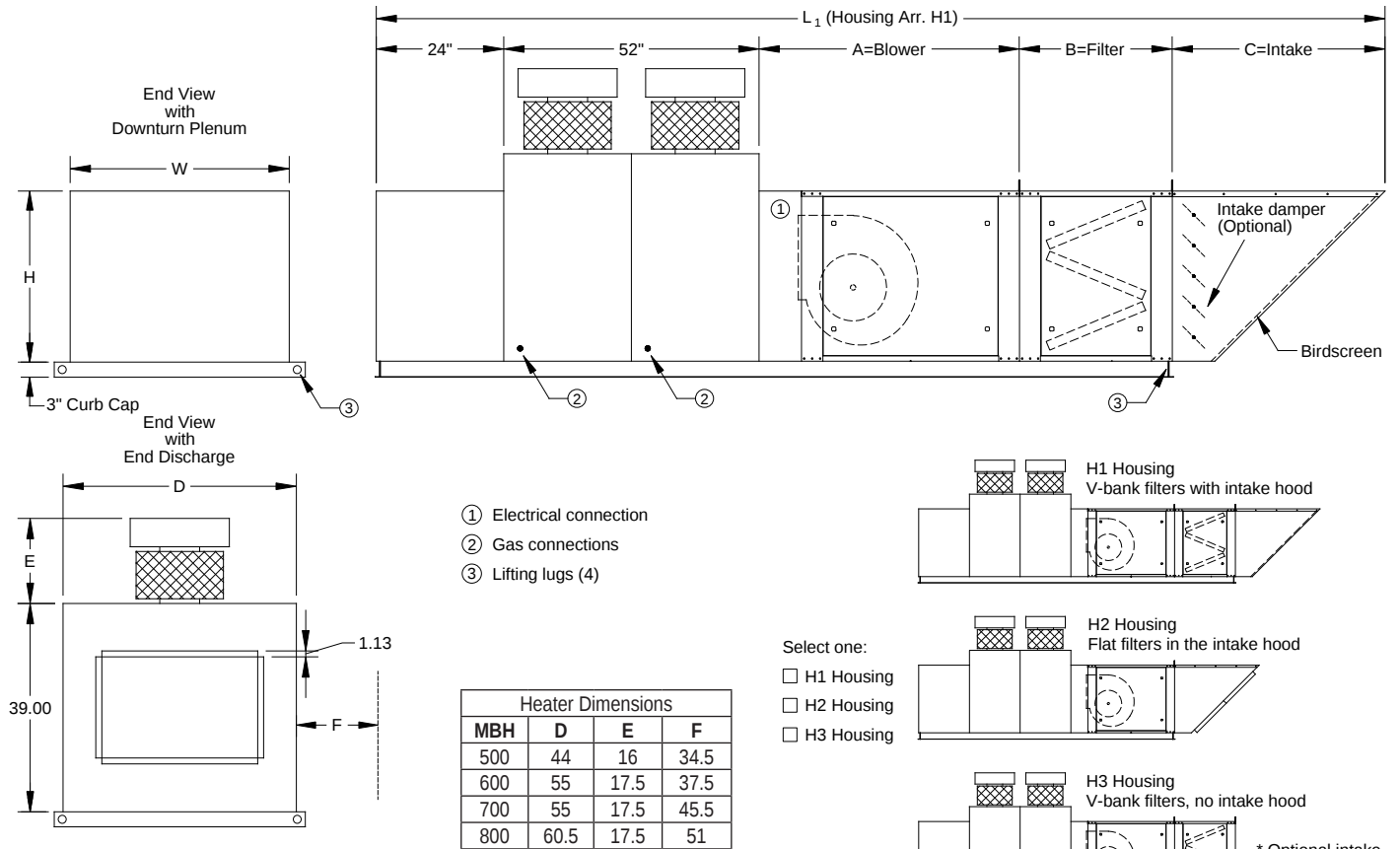
To maintain KEES' policy of continuous product development, we reserve the right to change prices, specifications, ratings and dimensions without notice or obligation.

Project		Location	
Engineer			
Architect		Dwg. No.	SD-IFG-1
Contractor		Date	05/16



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 Website: www.kees.com

MODEL IFG INDIRECT FIRED MAKE-UP AIR HEATER



Notes:

- Intake hood and vent caps ship loose.
- Access doors typical on both sides.
- Refer to SD-IFG-INFO for CFM ranges, filter sizes, weights, curb cap sizes, discharge openings, and a bottom view.
- Refer to SD-IFG-CC for units with a cooling coil.
- Refer to SD-IFG-EVAP for units with an evaporative cooler.
- Refer to SD-IFG-CURB for curb dimensions and options.
- Gas inlet size: 3/4" NPT.
- Temperature rise: 40 degree minimum, 120 degree maximum.
- Dimensions "W" and "H" are the width and height of the entire unit except for the heater where "D" is the width and the height is 39" plus "E".
- Power vented units do not have a vent cap; Dim. E = 0.
- Dimension "F" is the recommended clearance to service the burner drawer.

Select one:

- ☐ Down Discharge
☐ End Discharge

Select one:

- ☐ Gravity Vented
☐ Power Vented

Model	Housing	Heater Sizes	A	B	C	Down Discharge			End Discharge			H	W
						L ₁	L ₂	L ₃ *	L ₁	L ₂	L ₃ *		
						H1 Hsg.	H2 Hsg.	H3 Hsg.	H1 Hsg.	H2 Hsg.	H3 Hsg.		
IFG-112	#2	500, 600	53	29	40	198	169	158	174	145	134	32	41
IFG-115													
IFG-209	#2 Wide	600, 700, 800	53	29	40	198	169	158	174	145	134	32	52.5
IFG-210													
IFG-115	#3	600, 700, 800	69	28	54	227	199	173	203	175	149	46	52.5
IFG-118													
IFG-120													

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Project	Location		
Engineer			
Architect	Dwg. No.	SD-IFG-2	
Contractor	Date	05/16	



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MODEL IFG INDIRECT FIRED MAKE-UP AIR HEATER

Qty.	Model	CFM	S.P.	BHP	RPM	HP	Volts	Ph.	BTU (Input/Output)	Tag

General Construction

Housing

- Galvanized steel
- 1" fiberglass insulation
- Weatherproof construction
- Large access panels

Housing Options

- ☐ Painted housing - machinery grey
- ☐ Painted housing - special color: _____
- ☐ Double wall insulation
- ☐ Foil faced insulation
- ☐ Hinged access doors

Blower Section

- Forward curved, DWDI blower
- Precision machined steel shaft
- Blower wheels statically and dynamically balanced
- Adjustable V-belt drives
- Pulleys and belts selected for not less than 165% of driven HP
- Fan and motor mounted on vibration isolators
- Self-aligning pre-lubricated bearings
- EPACT rated motor

- ☐ ODP (standard)
- ☐ TEFC
- ☐ VFD
- ☐ Other _____

Electrical

- Unit is field wired (standard)
- Optional
 - ☐ Disconnect switch only (mounted and wired to motor)
 - _____ NEMA1
 - _____ NEMA3R
 - ☐ Motor control center with disconnect switch, one motor starter, fuse blocks and control transformer; single point wiring.
 - ☐ Extra motor starters:
 - _____ HP
 - _____ HP
 - ☐ Other _____

Heater Section

- AGA and CGA certified heater
- Indirect fired gas burner
- Inlet gas pressure
 - ☐ Natural gas (standard) _____ (ins/lbs)
 - ☐ Propane fuel _____ (ins/lbs)
- 80% combustion efficiency
- Venting
 - ☐ Gravity vented (standard)
 - ☐ Power vented
- Heat exchanger
 - ☐ 409 SS (standard)
 - ☐ 321 SS
 - ☐ Aluminized steel
- Burners
 - ☐ Aluminized steel (standard)
 - ☐ 409 SS
- Gas valve
 - ☐ Two stage gas valve _____ with ductstat _____ with room stat
 - ☐ Three stage gas valve _____ with ductstat _____ with room stat
 - ☐ Four stage gas valve _____ with ductstat _____ with room stat
 - ☐ Mechanical modulating _____ with ductstat _____
 - ☐ Electronic modulating _____ with ductstat _____
 - _____ with ductstat and room override stat
 - _____ with room stat
 - _____ with DDC controls by others
 - ☐ Other _____
- High temperature limit switch
- Gas pressure regulator
- Electric spark intermittent pilot
- All components UL recognized and wired to terminal strip

Optional Accessories

Damper Options

- ☐ Motorized intake damper (mounted)
- ☐ Motorized discharge damper (field installed)
- ☐ End switch on damper
- ☐ Return air (requires drawing from factory)

Curb Options

- ☐ Modular curb and rail _____ Height (Arrangement A1)
- ☐ Roof curb and rail _____ (Arrangement A2)
- ☐ Two support rails _____ (Arrangement A3)
- ☐ Full perimeter curb _____ (Arrangement A4)

Filter Options

- ☐ Aluminum cleanable _____ Thickness
 - ☐ Fiberglass throw-away _____
 - ☐ 30% efficient pleated _____
 - ☐ Other _____
- } not available with H2 Housing

Cooling Options (requires drawing from factory)

- ☐ Chilled water
- ☐ Dx direct expansion
- ☐ Evaporative

Other Options

- ☐ Remote control panel
- Enclosure - surface mounted
 - ☐ NEMA12 plastic enclosure (standard)
 - ☐ Metal enclosure (NEMA rating: _____)
- 2-Position switches
 - ☐ Fan ☐ Heat ☐ Cool ☐ Hood lights
- Indicator lights
 - ☐ Fan ☐ Heat ☐ Cool ☐ Hood lights
 - ☐ Alarm ☐ Filter ☐ Other _____
- 3-Position switches
 - ☐ Heat-Off-Cool ☐ Summer-Off-Winter
 - ☐ Fan-Off-Auto ☐ Other _____
- ☐ Mild weather thermostat (inlet air sensor)
- ☐ Low temperature limit (freezestat)
- ☐ Clogged filter switch
- ☐ Gas pressure safety switch (high, low or both)
- ☐ Convenience outlet (115V service receptacle)
- ☐ High gas pressure regulator
- ☐ Time clock
- ☐ Occupied/Unoccupied (Night setback)
- ☐ Discharge diffuser (3-way or 4-way)
- ☐ Elevation (over 2,000'): _____
- ☐ Other _____

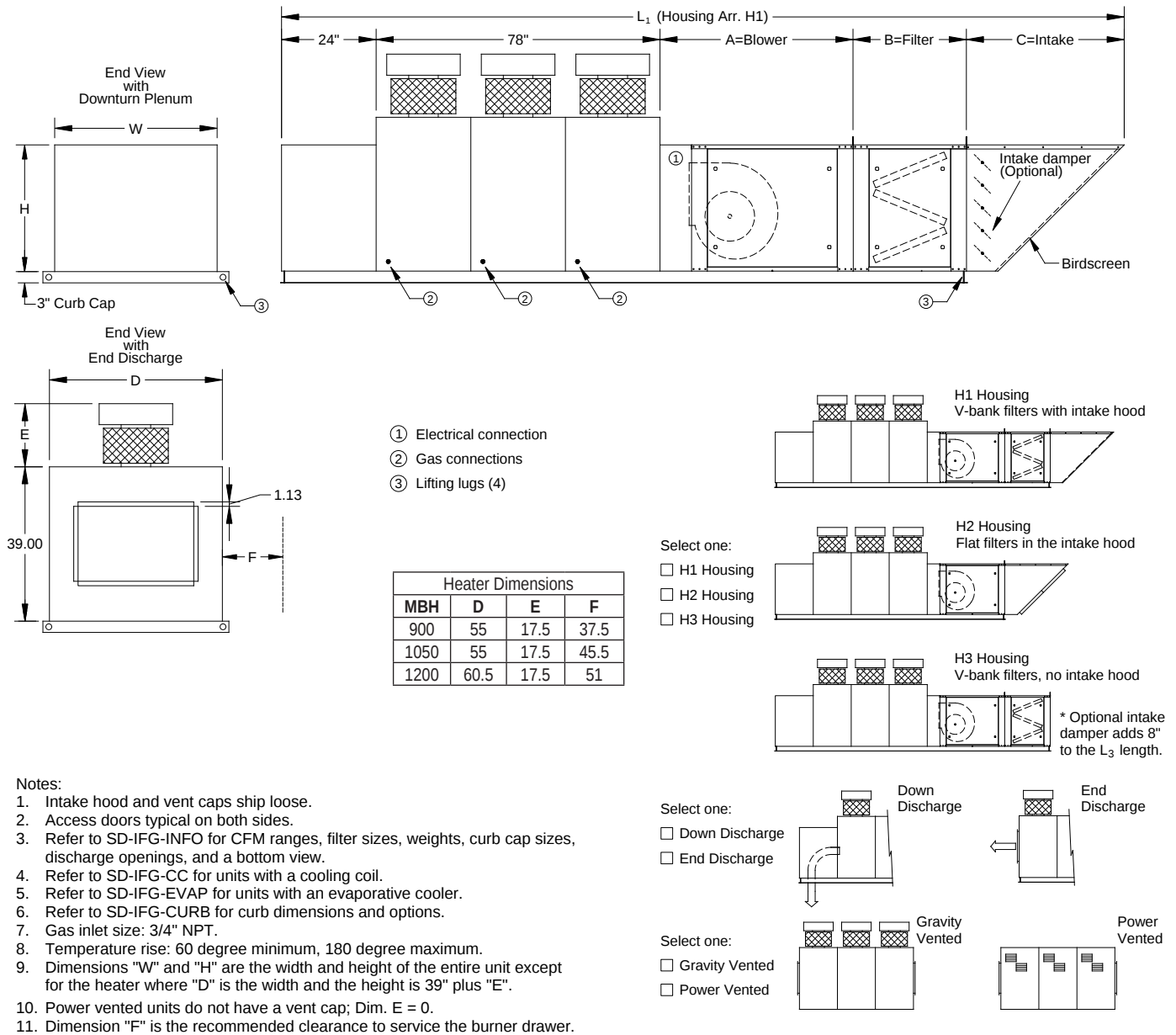
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Project		Location	
Engineer			
Architect		Dwg. No.	SD-IFG-2
Contractor		Date	05/16



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MODEL IFG INDIRECT FIRED MAKE-UP AIR HEATER



Model	Housing	Heater Sizes	A	B	C	Down Discharge			End Discharge			H	W
						L ₁	L ₂	L ₃ *	L ₁	L ₂	L ₃ *		
						H1 Hsg.	H2 Hsg.	H3 Hsg.	H1 Hsg.	H2 Hsg.	H3 Hsg.		
IFG-118	#3	900, 1050, 1200	69	28	54	253	225	199	229	201	175	46	52.5
IFG-120													

To maintain KEES' policy of continuous product development, we reserve the right to change prices, specifications, ratings and dimensions without notice or obligation.

Project	Location		
Engineer			
Architect	Dwg. No.	SD-IFG-3	
Contractor	Date	05/16	



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 Fax: (920) 876-3065
 Website: www.kees.com

MODEL IFG INDIRECT FIRED MAKE-UP AIR HEATER

Qty.	Model	CFM	S.P.	BHP	RPM	HP	Volts	Ph.	BTU (Input/Output)	Tag

General Construction

Housing

- Galvanized steel
- 1" fiberglass insulation
- Weatherproof construction
- Large access panels

Housing Options

- ☐ Painted housing - machinery grey
- ☐ Painted housing - special color: _____
- ☐ Double wall insulation
- ☐ Foil faced insulation
- ☐ Hinged access doors

Blower Section

- Forward curved, DWDI blower
- Precision machined steel shaft
- Blower wheels statically and dynamically balanced
- Adjustable V-belt drives
- Pulleys and belts selected for not less than 165% of driven HP
- Fan and motor mounted on vibration isolators
- Self-aligning pre-lubricated bearings
- EPACT rated motor

- ☐ ODP (standard)
- ☐ TEFC
- ☐ VFD
- ☐ Other _____

Electrical

- Unit is field wired (standard)
- Optional
 - ☐ Disconnect switch only (mounted and wired to motor)
 - _____ NEMA1
 - _____ NEMA3R
 - ☐ Motor control center with disconnect switch, one motor starter, fuse blocks and control transformer; single point wiring.
 - ☐ Extra motor starters:
 - _____ HP
 - _____ HP
 - ☐ Other _____

Heater Section

- AGA and CGA certified heater
- Indirect fired gas burner
- Inlet gas pressure
 - ☐ Natural gas (standard) _____ (ins/lbs)
 - ☐ Propane fuel _____ (ins/lbs)
- 80% combustion efficiency
- Venting
 - ☐ Gravity vented (standard)
 - ☐ Power vented
- Heat exchanger
 - ☐ 409 SS (standard)
 - ☐ 321 SS
 - ☐ Aluminized steel
- Burners
 - ☐ Aluminized steel (standard)
 - ☐ 409 SS
- Gas valve
 - ☐ Three stage gas valve _____ with ductstat _____ with room stat
 - ☐ Four stage gas valve _____ with ductstat _____ with room stat
 - ☐ Six stage gas valve _____ with ductstat _____ with room stat
 - ☐ Mechanical modulating _____ with ductstat _____
 - ☐ Electronic modulating _____ with ductstat _____
 - _____ with ductstat and room override stat
 - _____ with room stat
 - _____ with DDC controls by others
 - ☐ Other _____
- High temperature limit switch
- Gas pressure regulator
- Electric spark intermittent pilot
- All components UL recognized and wired to terminal strip

Optional Accessories

Damper Options

- ☐ Motorized intake damper (mounted)
- ☐ Motorized discharge damper (field installed)
- ☐ End switch on damper
- ☐ Return air (requires drawing from factory)

Curb Options

- ☐ Modular curb and rail _____ Height (Arrangement A1)
- ☐ Roof curb and rail _____ (Arrangement A2)
- ☐ Two support rails _____ (Arrangement A3)
- ☐ Full perimeter curb _____ (Arrangement A4)

Filter Options

- ☐ Aluminum cleanable
 - ☐ Fiberglass throw-away
 - ☐ 30% efficient pleated
 - ☐ Other _____
- Thickness _____ } not available with H2 Housing

Cooling Options (requires drawing from factory)

- ☐ Chilled water
- ☐ Dx direct expansion
- ☐ Evaporative

Other Options

- ☐ Remote control panel
- Enclosure - surface mounted
 - ☐ NEMA12 plastic enclosure (standard)
 - ☐ Metal enclosure (NEMA rating: _____)
- 2-Position switches
 - ☐ Fan ☐ Heat ☐ Cool ☐ Hood lights
- Indicator lights
 - ☐ Fan ☐ Heat ☐ Cool ☐ Hood lights
 - ☐ Alarm ☐ Filter ☐ Other _____
- 3-Position switches
 - ☐ Heat-Off-Cool ☐ Summer-Off-Winter
 - ☐ Fan-Off-Auto ☐ Other _____
- ☐ Mild weather thermostat (inlet air sensor)
- ☐ Low temperature limit (freezestat)
- ☐ Clogged filter switch
- ☐ Gas pressure safety switch (high, low or both)
- ☐ Convenience outlet (115V service receptacle)
- ☐ High gas pressure regulator
- ☐ Time clock
- ☐ Occupied/Unoccupied (Night setback)
- ☐ Discharge diffuser (3-way or 4-way)
- ☐ Elevation (over 2,000'): _____
- ☐ Other _____

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Project		Location	
Engineer			
Architect		Dwg. No.	SD-IFG-3
Contractor		Date	05/16



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 400 S. Industrial Dr.
 Elkhart Lake, WI 53020
 Phone: (920) 876-3391
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MODEL IFG GENERAL INFORMATION

CFM Information

CFM Information		Maximum CFM, Size and Area						
Model	Housing Size	Blower CFM Limits		Dx or Chilled	Evaporative	Heater Size (MBH)	CFM Limits	
		Minimum	Maximum	Water Coil	Cooler		Minimum	Maximum
IFG-109-SM	#1	800	1,600	2,200	2,700	100 150 200 250 300	800	3,500
IFG-109		1,000	2,600	21" x 31"	24" x 29"		1,200	3,600
IFG-110		1,200	3,600	4.4 Sqft.	4.9 Sqft.		1,600	7,000
IFG-110	#2	1,600	3,600	3,700	4,300		2,000	7,000
IFG-112		1,800	5,000	27" x 39"	30" x 37"		2,400	11,000
IFG-115		3,000	7,000	7.3 Sqft.	7.8 Sqft.	350	2,800	13,000
IFG-209-SM	#2	2,400	3,200	4,800	5,600	400	3,200	14,000
IFG-209	Wide	2,400	5,200	27" x 50"	30" x 49"	500	3,000	7,000
IFG-210		3,000	7,000	9.4 Sqft.	10.2 Sqft.	600, 900	3,700	11,000
IFG-115	#3	3,400	7,000	7,200	8,200	700, 1050	4,500	13,000
IFG-118		4,000	10,000	42" x 50"	44" x 49"	800, 1200	5,000	14,000
IFG-120		5,000	12,000	14.6 Sqft.	14.9 Sqft.			
IFG-120-HD		5,000	14,000					

Filter Information

		V-bank Filters		Filters in Intake Hood		Special Filters*	
Model	Housing Size	Quantity/ Area	CFM @ 500 FPM	Quantity/ Area	CFM @ 500 FPM	Quantity/ Area	CFM @ 500 FPM
IFG-109-SM	#1	(4) 16" x 20" 8.9 Sqft.	4,400	(2) 16" x 25" 5.6 Sqft.	2,800	(2) 16" x 20" 4.4 Sqft.	2,200
IFG-110							
IFG-110	#2	(6) 20" x 20" 16.7 Sqft.	8,300	(4) 20" x 20" 11.1 Sqft.	5,600	(2) 20" x 24" 6.6 Sqft.	3,300
IFG-112							
IFG-115							
IFG-209-SM	#2	(6) 16" x 20" 10,800		(4) 20" x 25" 13.9 Sqft.	6,900	(2) 24" x 24" 8.0 Sqft.	4,000
IFG-209	Wide	(3) 20" x 20" 21.7 Sqft.					
IFG-210							
IFG-115	#3	(8) 16" x 20" 14,400		(6) 20" x 25" 20.8 Sqft.	10,400	(4) 20" x 24" 13.3 Sqft.	6,700
IFG-118		(4) 20" x 20" 28.9 Sqft.					
IFG-120							
IFG-120-HD							

* Examples of special filters would include 6" and 12" deep high efficiency filters. These would be located in a flat bank in the standard filter section.

Weight Information

Model	Housing Size	Housing Arrangement ♦			Delete	Intake Damper	Modular Curb & Rail	Full Perimeter Curb	Heater Size	Weight ♦
		H1	H2	H3	Plenum					
IFG-109-SM	#1	550#	470#	480#	(90#)	50#	170#	130#	100	220#
IFG-109		560#	480#	490#					150	250#
IFG-110		580#	500#	510#					200	300#
IFG-110	#2	690#	600#	590#	(110#)	60#	190#	140#	250	330#
IFG-112		700#	610#	600#					300	380#
IFG-115		740#	650#	640#					350	410#
IFG-209-SM	#2	990#	890#	810#	(160#)	65#	220#	150#	400	460#
IFG-209	Wide	1,010#	910#	830#					500	660#
IFG-210		1,050#	950#	870#					600	760#
IFG-115	#3	1,160#	1,060#	980#	(160#)	70#	220#	160#	700	820#
IFG-118		1,200#	1,100#	1,020#					800	920#
IFG-120		1,300#	1,200#	1,120#					900	1,140#
IFG-120-HD		1,320#	1,220#	1,140#					1050	1,230#
									1200	1,380#

♦ Note: The weight of the heater must be added to one of the housing arrangement weights to obtain the total weight of the unit.

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Project				Location	 KEES INCORPORATED 400 S. Industrial Dr. Elkhart Lake, WI 53020 Phone: (920) 876-3391 Fax: (920) 876-3065 Website: www.kees.com
Engineer					
Architect		Dwg. No.	SD-IFG-INFO		
Contractor		Date	12/13		

MODEL IFG GENERAL INFORMATION

Down discharge

Model	Housing Size			H1,H3 Housing Arrangement			H2 Housing Arrangement			Discharge Opening		
		A	B	C			C			D	E	F
IFG-109-SM	#1	32.00	24.00	122.00	NA	NA	94.00	NA	NA	15.00	24.00	3.00
IFG-109												
IFG-110												
IFG-110	#2	40.00	24.00	130.75	156.75	NA	102.00	128.00	NA	15.00	32.00	3.00
IFG-112												
IFG-115												
IFG-209-SM	#2 Wide	51.50	24.00	130.75	156.75	NA	102.00	128.00	NA	15.00	43.50	3.00
IFG-209												
IFG-210												
IFG-115	#3	51.50	24.00	146.50	172.50	198.50	118.25	144.25	170.25	15.00	43.50	3.00
IFG-118												
IFG-120												
IFG-120-HD												

One Two Three
Number of Furnaces

One Two Three
Number of Furnaces

Dim. F is from the inside of the curb cap.

End discharge

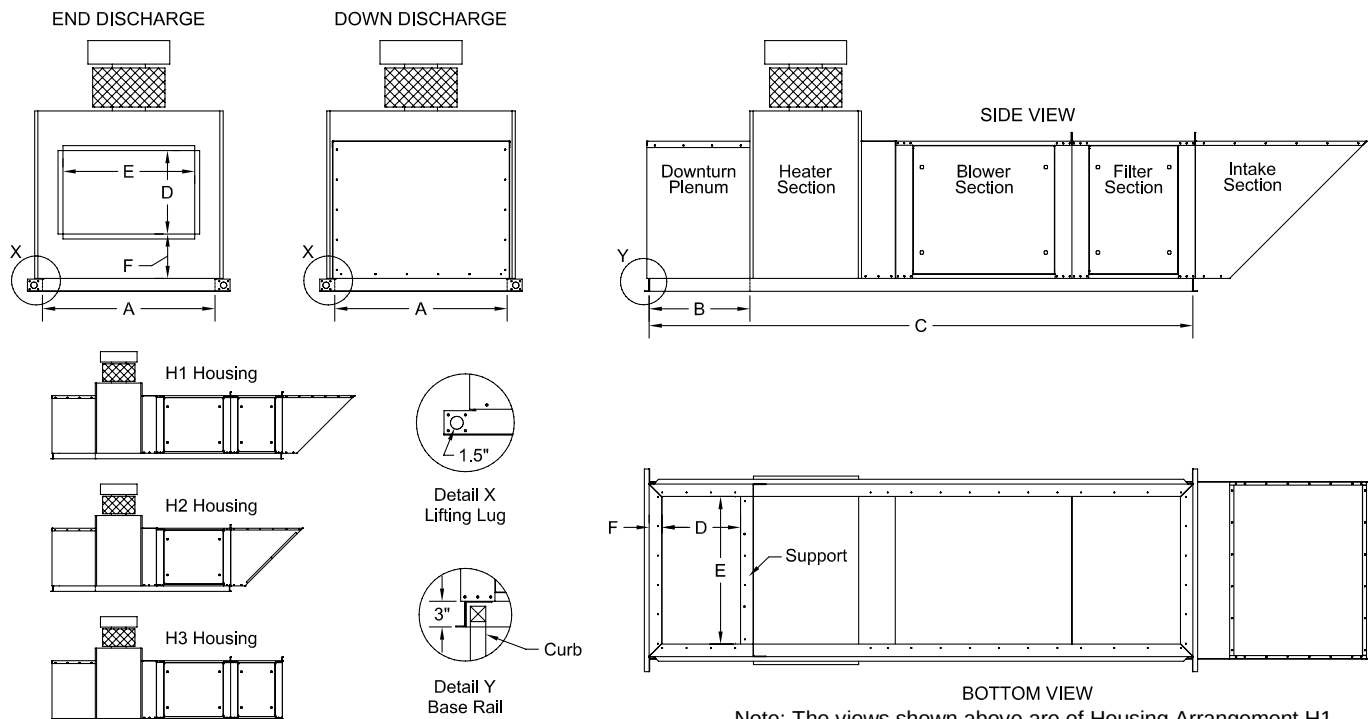
Model	Housing Size	A	H1,H3 Housing Arrangement			H2 Housing Arrangement			Discharge Opening		Heater Size	Dim. "E"
			C			C			D	F		
IFG-109-SM	#1	32.00	98.00	NA	NA	70.00	NA	NA	19.00	10.13	100	15.50
IFG-109											150	18.25
IFG-110											200	23.75
IFG-110	#2	40.00	106.75	132.75	NA	78.00	104.00	NA	19.00	10.13	250	29.25
IFG-112											300	34.75
IFG-115											350	40.25
IFG-209-SM	#2 Wide	51.50	106.75	132.75	NA	78.00	104.00	NA	19.00	10.13	400	45.75
IFG-209											500	29.25
IFG-210											600	34.75
IFG-115	#3	51.50	122.50	148.50	174.50	94.25	120.25	146.25	19.00	17.13	700	40.25
IFG-118											800	45.75
IFG-120											900	34.75
IFG-120-HD											1050	40.25
											1200	45.75

One Two Three
Number of Furnaces

One Two Three
Number of Furnaces

Dim. F is from the bottom of the unit.

Note: All of the dimensions are measured to the inside of the base rail / curb cap. Undersize the O.D. of the curb by 1".
 Dimension B is the curb cap measurement for Curb Arrangements A1 and A2 where the curb is under the blower section only.
 Dimension C is the curb cap measurement for Curb Arrangement A4 where the curb is around the full perimeter of the unit.
 The first dimension C listed is for Housing Arrangements H1 and H3 that have the V-bank filter section.
 The second dimension C is for Housing Arrangement H2. It is smaller since the V-bank filter section is replaced by flat filters in the intake section.



Note: The views shown above are of Housing Arrangement H1.