



# INDUSTRIAL DIRECT DRIVE 16

## Positive Indirect Gas Heated Air Curtain

### Data Sheet

For Mounting Heights To 16' (environmental separation)

#### STANDARD CONSTRUCTION

- Single speed T.E.A.O. motor(s) - direct drive
- Gray powder coated exterior (Optional: Custom Color or Stainless)
- Split cabinet construction for fan assembly removal
- Top Mounting only
- Front air intake only
- High efficiency Pro-V Nozzle

- Factory mounted duct transition with bottom access panels
- Field installed ETL (US and Canada) & AHRI Certified indirect gas heater(s):
  - Aluminized steel heat exchanger (Optional: Stainless)
  - Steel cabinet with beige finish
  - Spark ignited pilot
  - Power venter
  - Separate 120V power supply required (Optional: transformer for single point connection)

**2 Year  
Limited  
Warranty**



MODEL	Nozzle Width (in)	Max Vel. at Nozzle (fpm)	Avg. Outlet Vel. (fpm)	Air Volume (cfm)	Outlet Vel. Uniformity	Power Rating (kW)	Motor(s) @ hp	Heater(s) @ Input (MBH)	Total Heater Output (MBH)	Air Temp. Rise (°F)	Net Wt. Air Curtain (lbs)	Net Wt. Duct Trans. (lbs)	Net Wt. Heater (lbs)
IDC16-1060G	60.00	5,145	3,302	5,359	85%	2.80	1 @ 3	1 @ 230.0	184.0	32°	370	79	225
IDC16-1072G	72.00	5,005	2,944	6,256	91%	2.90	1 @ 3	1 @ 300.0	240.0	35°	410	94	270
IDC16-1084G	84.00	4,644	2,732	6,772	89%	3.00	1 @ 3	1 @ 300.0	240.0	33°	450	109	270
IDC16-1096G	96.00	5,352	3,148	8,920	87%	4.10	1 @ 5	1 @ 390.0	312.0	32°	550	123	285
IDC16-1108G	108.00	5,236	3,080	9,817	86%	4.20	1 @ 5	2 @ 230.0	368.0	35°	670	117	2 @ 225
IDC16-1120G	117.00	6,012	3,627	12,526	87%	4.80	1 @ 7.5	2 @ 300.0	480.0	35°	705	128	2 @ 270
IDC16-1132G	132.00	5,602	3,296	12,839	86%	4.90	1 @ 7.5	2 @ 300.0	480.0	34°	755	147	2 @ 270
IDC16-1144G	144.00	5,225	3,074	13,062	85%	5.40	1 @ 7.5	2 @ 300.0	480.0	34°	795	161	2 @ 270
IDC16-1156G	156.00	4,943	2,908	13,388	84%	5.50	1 @ 7.5	2 @ 345.0	552.0	38°	845	176	2 @ 285
IDC16-2168G	168.00	5,203	3,061	15,176	89%	7.00	1 @ 5, 1 @ 3	2 @ 345.0	552.0	34°	950	191	2 @ 285
IDC16-2180G	180.00	5,143	3,026	16,073	87%	7.10	1 @ 5, 1 @ 3	2 @ 390.0	624.0	36°	1,015	206	2 @ 285
IDC16-2192G	192.00	5,352	3,148	17,840	87%	8.20	2 @ 5	2 @ 390.0	624.0	32°	1,080	221	2 @ 285

#### NOTES:

1. Operation at 50 Hz will generate approximately a 17% reduction in performance.
2. Performance data based on AMCA licensed data from unheated units.
3. Maximum leaving air temperature shall not exceed 120°F.
4. Duct transition is factory mounted to air curtain and requires individual support.
5. Gas heater(s) shall not be directly connected to transition and require individual support.
6. Maximum gas supply pressure: 1/2 psi, 8 ounces, or 14 inches water column.
7. Vertically mounted indirect gas heated air curtain not available.

See sheet EP-428 for amp draws/total load requirements.

### MODEL NUMBER CONFIGURATION

**IDC16-1 060 G D-F-SS**

Series	# of Motors	Opening Width	Heat	Voltage	Intake	Opt. Cabinet Finish
IDC16	1, 2	060" - 192"	G=Indirect Gas Heated	D=208/3/60 E=240/3/60 H=480/3/60 I=600/3/60 T=380/3/50	F=Front	SS=Stainless Steel CC=Custom Color

Sound level measured 10' (3m) from the unit in free field:  
3, 5, 7½, (5 + 3) & (5 + 5) hp motor(s):  
68 dBA, 70 dBA, 71 dBA, 72 dBA & 73 dBA

Berner reserves the right to alter specifications without prior notice.

**www.berner.com Berner International 800.245.4455**  
111 Progress Ave. / New Castle / PA / 16101 / USA

DS-428  
June, 2016



# INDUSTRIAL DIRECT DRIVE 16

**Positive Indirect Gas Heated Air Curtain  
Electrical Performance Sheet**

208/3/60 (voltage code D)												
TOTAL MOTOR AMP DRAW												
MODEL	HEATER MBH	Temp Rise °F	Qty @ HP	# CKTS	MULTIPLE CKT - MOTOR PANEL & HEATER				SINGLE CKT - MOTOR PANEL & XFMR FOR HTR.			
					AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		# CKTS	XFMR KVA	AMPS PER CIRCUIT (including XFMR)	BREAKER RATING PER CIRCUIT
					MOTOR 208V CKT	HEATER 120V CKT	MOTOR 208V CKT	HEATER 120V CKT				
IDC16-1060G	1 @ 230	32	1 @ 3	2	13.1	9.0	25	15	1	1	17.9	25
IDC16-1072G	1 @ 300	35	1 @ 3	2	13.1	9.0	25	15	1	1	17.9	25
IDC16-1084G	1 @ 300	33	1 @ 3	2	13.1	9.0	25	15	1	1	17.9	25
IDC16-1096G	1 @ 390	32	1 @ 5	2	17.0	9.0	35	15	1	1	21.8	35
IDC16-1108G	2 @ 230	35	1 @ 5	3	17.0	9.0/9.0	35	15/15	1	2	26.6	35
IDC16-1120G	2 @ 300	35	1 @ 7.5	3	23.0	9.0/9.0	50	15/15	1	2	32.6	50
IDC16-1132G	2 @ 300	34	1 @ 7.5	3	23.0	9.0/9.0	50	15/15	1	2	32.6	50
IDC16-1144G	2 @ 300	34	1 @ 7.5	3	23.0	9.0/9.0	50	15/15	1	2	32.6	50
IDC16-1156G	2 @ 345	38	1 @ 7.5	3	23.0	9.0/9.0	50	15/15	1	2	32.6	50
IDC16-2168G	2 @ 345	34	1 @ 3 1 @ 5	3	30.1	9.0/9.0	50	15/15	1	2	39.7	50
IDC16-2180G	2 @ 390	36	1 @ 3 1 @ 5	3	30.1	9.0/9.0	50	15/15	1	2	39.7	50
IDC16-2192G	2 @ 390	32	2 @ 5	3	34.0	9.0/9.0	60	15/15	1	2	43.6	60



# INDUSTRIAL DIRECT DRIVE 16

**Positive Indirect Gas Heated Air Curtain  
Electrical Performance Sheet**

240/3/60 (voltage code E)												
TOTAL MOTOR AMP DRAW												
MODEL	HEATER MBH	Temp Rise °F	Qty @ HP	# CKTS	MULTIPLE CKT - MOTOR PANEL & HEATER				SINGLE CKT - MOTOR PANEL & XFMR FOR HTR.			
					AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		# CKTS	XFMR KVA	AMPS PER CIRCUIT (including XFMR)	BREAKER RATING PER CIRCUIT
					MOTOR 240V CKT	HEATER 120V CKT	MOTOR 240V CKT	HEATER 120V CKT				
IDC16-1060G	1 @ 230	32	1 @ 3	2	12.2	9.0	25	15	1	1	16.4	25
IDC16-1072G	1 @ 300	35	1 @ 3	2	12.2	9.0	25	15	1	1	16.4	25
IDC16-1084G	1 @ 300	33	1 @ 3	2	12.2	9.0	25	15	1	1	16.4	25
IDC16-1096G	1 @ 390	32	1 @ 5	2	15.8	9.0	35	15	1	1	20.0	35
IDC16-1108G	2 @ 230	35	1 @ 5	3	15.8	9.0/9.0	35	15/15	1	2	20.0	35
IDC16-1120G	2 @ 300	35	1 @ 7.5	3	22.0	9.0/9.0	45	15/15	1	2	30.3	45
IDC16-1132G	2 @ 300	34	1 @ 7.5	3	22.0	9.0/9.0	45	15/15	1	2	30.3	45
IDC16-1144G	2 @ 300	34	1 @ 7.5	3	22.0	9.0/9.0	45	15/15	1	2	30.3	45
IDC16-1156G	2 @ 345	38	1 @ 7.5	3	22.0	9.0/9.0	45	15/15	1	2	30.3	45
IDC16-2168G	2 @ 345	34	1 @ 3 1 @ 5	3	28.0	9.0/9.0	60	15/15	1	2	36.3	60
IDC16-2180G	2 @ 390	36	1 @ 3 1 @ 5	3	28.0	9.0/9.0	60	15/15	1	2	36.3	60
IDC16-2192G	2 @ 390	32	2 @ 5	3	31.6	9.0/9.0	60	15/15	1	2	39.9	60



# INDUSTRIAL DIRECT DRIVE 16

Positive Indirect Gas Heated Air Curtain  
Electrical Performance Sheet

480/3/60 (voltage code H)												
TOTAL MOTOR AMP DRAW												
				MULTIPLE CKT - MOTOR PANEL & HEATER					SINGLE CKT - MOTOR PANEL & XFMR FOR HTR.			
MODEL	HEATER MBH	Temp Rise °F	Qty @ HP	# CKTS	AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		# CKTS	XFMR KVA	AMPS PER CIRCUIT (including XFMR)	BREAKER RATING PER CIRCUIT
					MOTOR 480V CKT	HEATER 120V CKT	MOTOR 480V CKT	HEATER 120V CKT				
IDC16-1060G	1 @ 230	32	1 @ 3	2	6.1	9.0	15	15	1	1	8.2	15
IDC16-1072G	1 @ 300	35	1 @ 3	2	6.1	9.0	15	15	1	1	8.2	15
IDC16-1084G	1 @ 300	33	1 @ 3	2	6.1	9.0	15	15	1	1	8.2	15
IDC16-1096G	1 @ 390	32	1 @ 5	2	7.9	9.0	20	15	1	1	10.0	20
IDC16-1108G	2 @ 230	35	1 @ 5	3	7.9	9.0/9.0	20	15/15	1	2	10.0	20
IDC16-1120G	2 @ 300	35	1 @ 7.5	3	11.0	9.0/9.0	25	15/15	1	2	15.2	25
IDC16-1132G	2 @ 300	34	1 @ 7.5	3	11.0	9.0/9.0	25	15/15	1	2	15.2	25
IDC16-1144G	2 @ 300	34	1 @ 7.5	3	11.0	9.0/9.0	25	15/15	1	2	15.2	25
IDC16-1156G	2 @ 345	38	1 @ 7.5	3	11.0	9.0/9.0	25	15/15	1	2	15.2	25
IDC16-2168G	2 @ 345	34	1 @ 3 1 @ 5	3	14.0	9.0/9.0	25	15/15	1	2	18.2	25
IDC16-2180G	2 @ 390	36	1 @ 3 1 @ 5	3	14.0	9.0/9.0	25	15/15	1	2	18.2	25
IDC16-2192G	2 @ 390	32	2 @ 5	3	15.8	9.0/9.0	25	15/15	1	2	20.0	25



# INDUSTRIAL DIRECT DRIVE 16

**Positive Indirect Gas Heated Air Curtain  
Electrical Performance Sheet**

600/3/60 (voltage code I)												
TOTAL MOTOR AMP DRAW												
MODEL	HEATER MBH	Temp Rise °F	Qty @ HP	# CKTS	MULTIPLE CKT - MOTOR PANEL & HEATER				SINGLE CKT - MOTOR PANEL & XFMR FOR HTR.			
					AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		# CKTS	XFMR KVA	AMPS PER CIRCUIT (including XFMR)	BREAKER RATING PER CIRCUIT
					MOTOR 600V CKT	HEATER 120V CKT	MOTOR 600V CKT	HEATER 120V CKT				
IDC16-1060G	1 @ 230	32	1 @ 3	2	3.9	9.0	15	15	1	1	5.6	15
IDC16-1072G	1 @ 300	35	1 @ 3	2	3.9	9.0	15	15	1	1	5.6	15
IDC16-1084G	1 @ 300	33	1 @ 3	2	3.9	9.0	15	15	1	1	5.6	15
IDC16-1096G	1 @ 390	32	1 @ 5	2	6.3	9.0	15	15	1	1	8.0	15
IDC16-1108G	2 @ 230	35	1 @ 5	3	6.3	9.0/9.0	15	15/15	1	2	9.6	15
IDC16-1120G	2 @ 300	35	1 @ 7.5	3	8.5	9.0/9.0	20	15/15	1	2	11.8	20
IDC16-1132G	2 @ 300	34	1 @ 7.5	3	8.5	9.0/9.0	20	15/15	1	2	11.8	20
IDC16-1144G	2 @ 300	34	1 @ 7.5	3	8.5	9.0/9.0	20	15/15	1	2	11.8	20
IDC16-1156G	2 @ 345	38	1 @ 7.5	3	8.5	9.0/9.0	20	15/15	1	2	11.8	20
IDC16-2168G	2 @ 345	34	1 @ 3 1 @ 5	3	12.4	9.0/9.0	20	15/15	1	2	15.7	20
IDC16-2180G	2 @ 390	36	1 @ 3 1 @ 5	3	12.4	9.0/9.0	20	15/15	1	2	15.7	20
IDC16-2192G	2 @ 390	32	2 @ 5	3	12.6	9.0/9.0	20	15/15	1	2	15.9	20



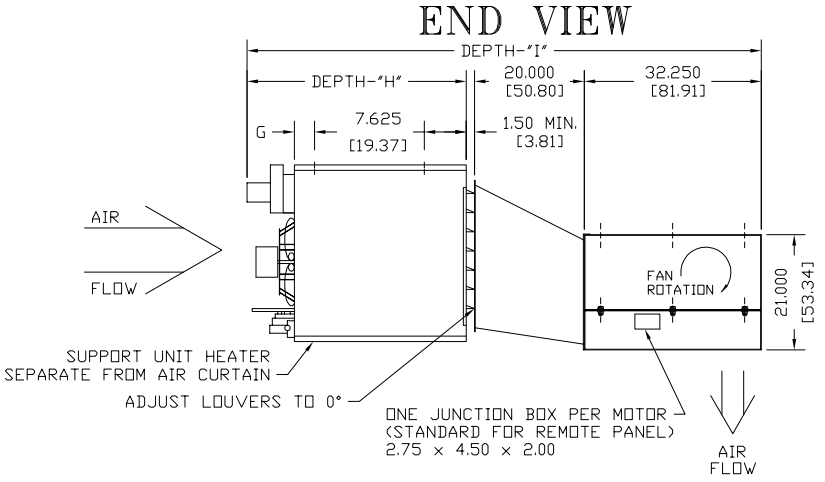
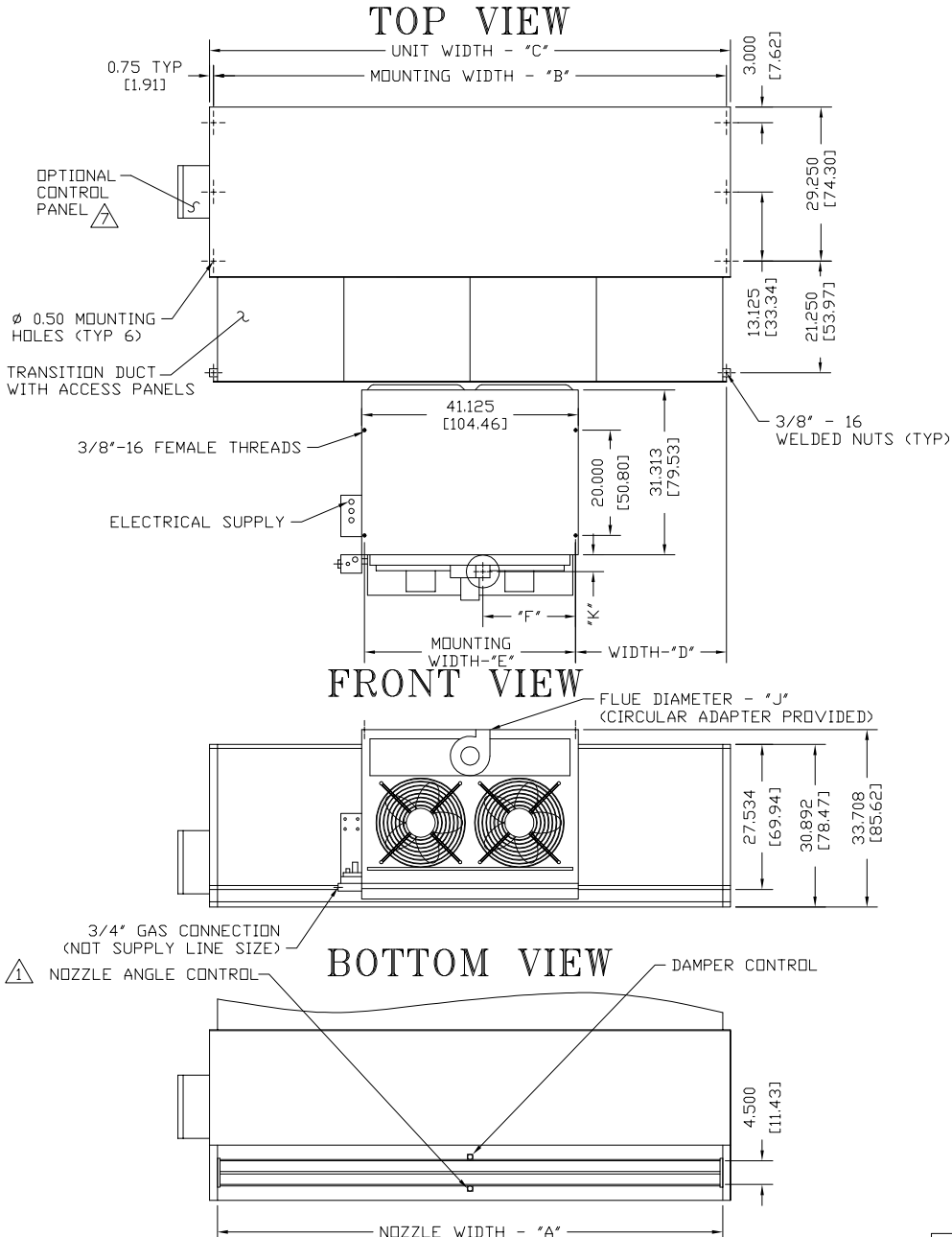
# INDUSTRIAL DIRECT DRIVE 16

Positive Indirect Gas Heated Air Curtain  
Electrical Performance Sheet

				380/3/50 (voltage code T)									
				TOTAL MOTOR AMP DRAW									
				MULTIPLE CKT - MOTOR PANEL & HEATER					SINGLE CKT - MOTOR PANEL & XFMR FOR HTR.				
MODEL	HEATER MBH	Temp Rise °F	Qty @ HP	# CKTS	AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		# CKTS	XFMR KVA	AMPS PER CIRCUIT (including XFMR)	BREAKER RATING PER CIRCUIT	
					MOTOR 380V CKT	HEATER 120V CKT	MOTOR 380V CKT	HEATER 120V CKT					
IDC16-1060G	1 @ 230	32	1 @ 3	2	5.9	9.0	15	15	1	1	8.5	15	
IDC16-1072G	1 @ 300	35	1 @ 3	2	5.9	9.0	15	15	1	1	8.5	15	
IDC16-1084G	1 @ 300	33	1 @ 3	2	5.9	9.0	15	15	1	1	8.5	15	
IDC16-1096G	1 @ 390	32	1 @ 5	2	7.7	9.0	20	15	1	1	10.3	20	
IDC16-1108G	2 @ 230	35	1 @ 5	3	7.7	9.0/9.0	20	15/15	1	2	13.0	20	
IDC16-1120G	2 @ 300	35	1 @ 7.5	3	9.0	9.0/9.0	20	15/15	1	2	14.3	20	
IDC16-1132G	2 @ 300	34	1 @ 7.5	3	9.0	9.0/9.0	20	15/15	1	2	14.3	20	
IDC16-1144G	2 @ 300	34	1 @ 7.5	3	9.0	9.0/9.0	20	15/15	1	2	14.3	20	
IDC16-1156G	2 @ 345	38	1 @ 7.5	3	9.0	9.0/9.0	20	15/15	1	2	14.3	20	
IDC16-2168G	2 @ 345	34	1 @ 3 1 @ 5	3	13.6	9.0/9.0	25	15/15	1	2	18.9	25	
IDC16-2180G	2 @ 390	36	1 @ 3 1 @ 5	3	13.6	9.0/9.0	25	15/15	1	2	18.9	25	
IDC16-2192G	2 @ 390	32	2 @ 5	3	15.4	9.0/9.0	25	15/15	1	2	20.7	25	

# IDC 16 INDIRECT GAS HEATED ONE HEATER SYSTEM

- NOTES:**
- 1 AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF G.
  - 2 ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
  - 3 FIELD VERIFY DIMENSIONS.
  - 4 ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
  - 5 ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
  - 6 LETTER "G" IN MODEL NUMBER DESIGNATES, POSITIVE INDIRECT GAS HEATED UNIT. THE "F" DESIGNATES FRONT INTAKE.
  - 7 OPTIONAL CONTROL PANEL AVAILABLE: LEFT HAND MOUNT, RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
  - 8 SUPPLY PRESSURES HIGHER THAN 0.50 POUND REQUIRE INSTALLATION OF AN ADDITIONAL SERVICE REGULATOR EXTERNAL TO THE UNIT.
  - 9 DIMENSIONS IN INCHES [CENTIMETERS].



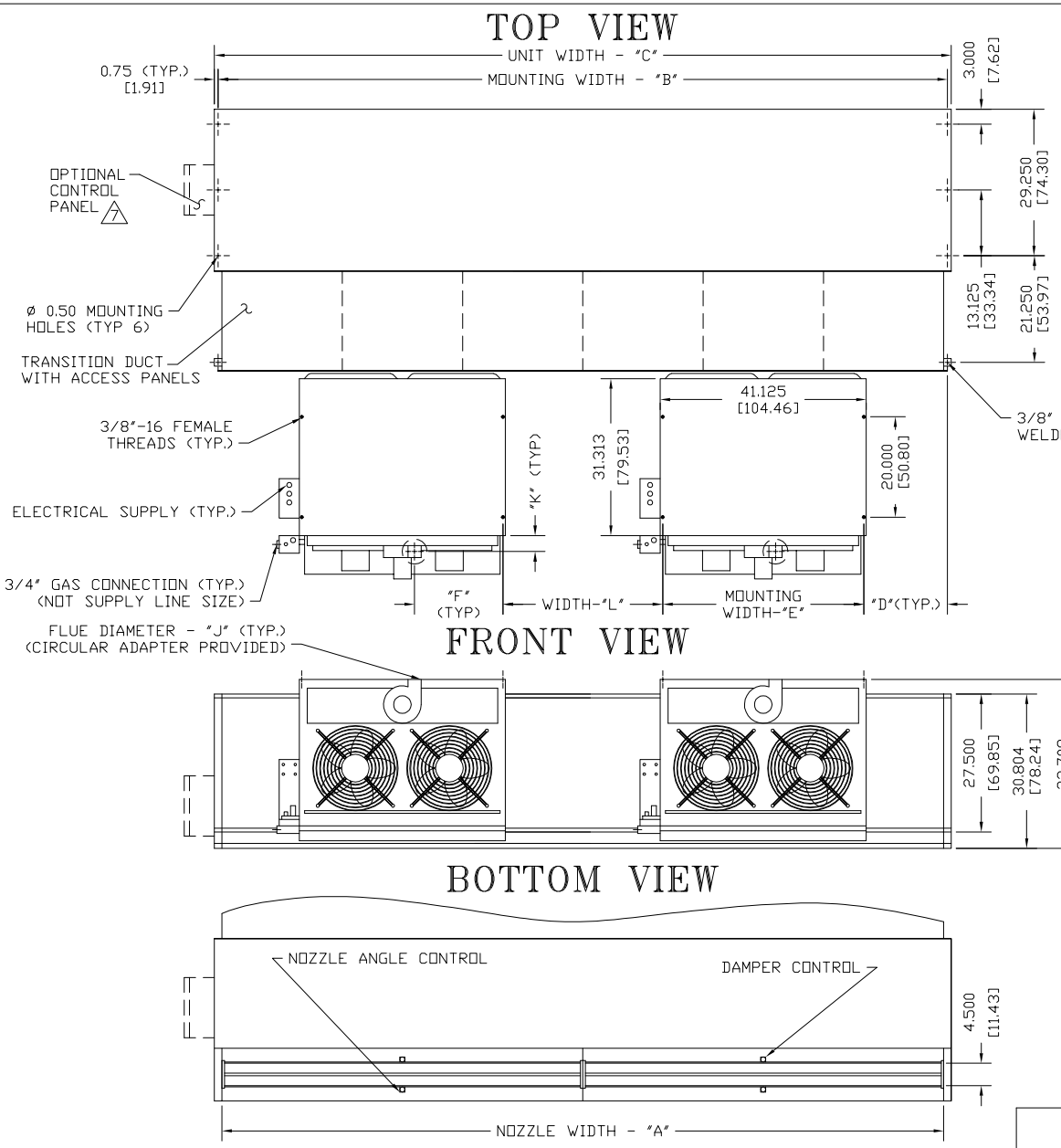
**CAUTION:**  
 HEATER IS EQUIPPED FOR A MAXIMUM GAS SUPPLY PRESSURE OF 1/2 POUND, 8 OUNCES, OR 14 INCHES WATER COLUMN.

MODEL	TOTAL NO. HEATER(S) @ MBTU INPUT
IDC16-1060G-F	1 @ 230
IDC16-1072G-F	1 @ 300
IDC16-1084G-F	1 @ 300
IDC16-1096G-F	1 @ 390

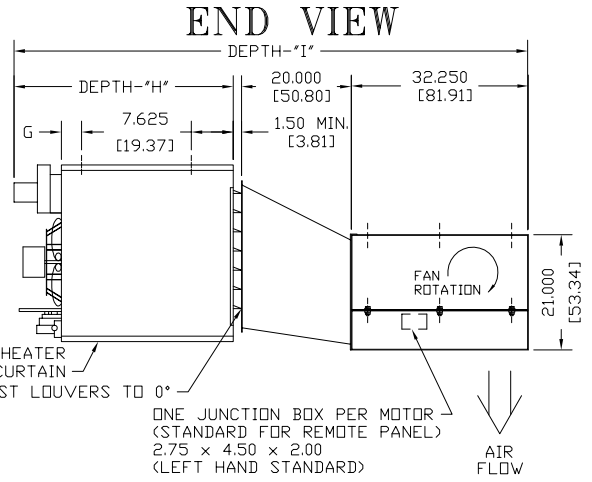
PROJECT		
LOCATION		
ARCHITECT		
ENGINEER		
DWG. NO.	IDC16-IGF1	TITLE: <b>BERNER</b>
DATE	03JUNE14	MODEL IDC16 AIR CURTAIN
BY	S. Beil	INDIRECT GAS FIRED - ONE HEATER SYSTEM
REPLACES	-	
BY	-	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.

FOR DIMENSIONS SEE DWG. #IDC16-IGF3

# IDC16 INDIRECT GAS HEATED TWO HEATER SYSTEM



- NOTES:**
- ① AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF  $\bar{C}$ .
  - ② ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
  - ③ FIELD VERIFY DIMENSIONS.
  - ④ ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
  - ⑤ ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
  - ⑥ LETTER "G" IN MODEL NUMBER DESIGNATES, POSITIVE INDIRECT GAS HEATED UNIT. THE "F" DESIGNATES FRONT INTAKE.
  - ⑦ OPTIONAL CONTROL PANEL AVAILABLE: LEFT HAND MOUNT, RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
  - ⑧ SUPPLY PRESSURES HIGHER THAN 0.50 POUND REQUIRE INSTALLATION OF AN ADDITIONAL SERVICE REGULATOR EXTERNAL TO THE UNIT.
  - ⑨ DIMENSIONS IN INCHES [CENTIMETERS].



**CAUTION:**  
HEATER IS EQUIPPED FOR A MAXIMUM GAS SUPPLY PRESSURE OF 1/2 POUND, 8 OUNCES, OR 14 INCHES WATER COLUMN.

MODEL	TOTAL NO. HEATER(S) @ MBTU INPUT
IDC16-1108G-F	2 @ 230
IDC16-1120G-F	2 @ 300
IDC16-1132G-F	2 @ 300
IDC16-1144G-F	2 @ 300
IDC16-1156G-F	2 @ 345
IDC16-2168G-F	2 @ 345
IDC16-2180G-F	2 @ 390
IDC16-2192G-F	2 @ 390

PROJECT		
LOCATION		
ARCHITECT		
ENGINEER		
DWG. NO.	IDC16-IGF2	TITLE: <b>BERNER</b>
DATE	03JUNE14	MODEL IDC16 AIR CURTAIN
BY	S. Beil	INDIRECT GAS FIRED - TWO HEATER SYSTEM
REPLACES	-	
BY	-	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.

FOR DIMENSIONS SEE DWG. #IDC16-IGF3



# IDC16

## INDIRECT GAS HEATED

MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"	TOTAL NO. HEATER(S) @ MBTU INPUT	WIDTH "D"	WIDTH "E"	WIDTH "F"	DEPTH "G"	DEPTH "H"	DEPTH "I"	FLUE "J"	DEPTH "K"	WIDTH "L"
IDC16-1060G-F	60.00 [152.40]	61.50 [156.21]	63.00 [160.02]	1 @ 230	10.75 [27.31]	40.00 [101.60]	17.19 [43.66]	3.69 [9.37]	40.00 [101.60]	93.75 [238.13]	5.00 [12.70]	3.50 [8.89]	-
IDC16-1072G-F	72.00 [182.88]	73.50 [186.69]	75.00 [190.50]	1 @ 300	16.75 [42.55]	40.00 [101.60]	17.19 [43.66]	3.69 [9.37]	40.00 [101.60]	93.75 [238.13]	5.00 [12.70]	3.50 [8.89]	-
IDC16-1084G-F	84.00 [213.36]	85.50 [217.17]	87.00 [220.98]	1 @ 300	22.75 [57.79]	40.00 [101.60]	17.19 [43.66]	3.69 [9.37]	40.00 [101.60]	93.75 [238.13]	5.00 [12.70]	3.50 [8.89]	-
IDC16-1096G-F	96.00 [243.84]	97.50 [247.65]	99.00 [251.46]	1 @ 390	28.75 [73.03]	40.00 [101.60]	16.94 [43.02]	3.69 [9.37]	41.13 [104.46]	94.88 [240.98]	6.00 [15.24]	3.50 [8.89]	-
IDC16-1108G-F	108.00 [274.32]	109.50 [278.13]	111.00 [281.94]	2 @ 230	7.75 [19.69]	40.00 [101.60]	17.19 [43.66]	3.69 [9.37]	40.00 [101.60]	93.75 [238.13]	5.00 [12.70]	3.50 [8.89]	14.00 [35.56]
IDC16-1120G-F	117.00 [297.18]	118.50 [300.99]	120.00 [304.80]	2 @ 300	10.00 [25.40]	40.00 [101.60]	17.19 [43.66]	3.69 [9.37]	40.00 [101.60]	93.75 [238.13]	5.00 [12.70]	3.50 [8.89]	18.50 [46.99]
IDC16-1132G-F	132.00 [335.28]	133.50 [339.09]	135.00 [342.90]	2 @ 300	13.75 [34.93]	40.00 [101.60]	17.19 [43.66]	3.69 [9.37]	40.00 [101.60]	93.75 [238.13]	5.00 [12.70]	3.50 [8.89]	26.00 [66.04]
IDC16-1144G-F	144.00 [365.76]	145.50 [369.57]	147.00 [373.38]	2 @ 300	16.75 [42.55]	40.00 [101.60]	17.19 [43.66]	3.69 [9.37]	40.00 [101.60]	93.75 [238.13]	5.00 [12.70]	3.50 [8.89]	32.00 [81.28]
IDC16-1156G-F	156.00 [396.24]	157.50 [400.05]	159.00 [403.86]	2 @ 345	19.75 [50.17]	40.00 [101.60]	16.94 [43.02]	3.69 [9.37]	41.13 [104.46]	94.88 [240.98]	6.00 [15.24]	3.50 [8.89]	38.00 [96.52]
IDC16-2168G-F	168.00 [426.72]	169.50 [430.53]	171.00 [434.34]	2 @ 345	22.75 [57.79]	40.00 [101.60]	16.94 [43.02]	3.69 [9.37]	41.13 [104.46]	94.88 [240.98]	6.00 [15.24]	3.50 [8.89]	44.00 [111.76]
IDC16-2180G-F	180.00 [457.20]	181.50 [461.01]	183.00 [464.82]	2 @ 390	25.75 [65.41]	40.00 [101.60]	16.94 [43.02]	3.69 [9.37]	41.13 [104.46]	94.88 [240.98]	6.00 [15.24]	3.50 [8.89]	50.00 [127.00]
IDC16-2192G-F	192.00 [487.68]	193.50 [491.49]	195.00 [495.30]	2 @ 390	28.75 [73.03]	40.00 [101.60]	16.94 [43.02]	3.69 [9.37]	41.13 [104.46]	94.88 [240.98]	6.00 [15.24]	3.50 [8.89]	56.00 [142.24]

### NOTES:

- ① AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF  $\bar{C}$ .
- ② ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- ③ FIELD VERIFY DIMENSIONS.
- ④ ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- ⑤ ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- ⑥ LETTER "G" IN MODEL NUMBER DESIGNATES POSITIVE INDIRECT GAS HEATER UNIT. THE "F" DESIGNATES FRONT INTAKE.
- ⑦ OPTIONAL CONTROL PANEL AVAILABLE: LEFT HAND MOUNT, RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- ⑧ SEP 230-400 FURNACES HAVE TWO FANS AND FOUR MOUNTING POINTS.
- ⑨ SUPPLY PRESSURES HIGHER THAN 0.50 POUND REQUIRE INSTALLATION OF AN ADDITIONAL SERVICE REGULATOR EXTERNAL TO THE UNIT.
- ⑩ DIMENSIONS IN INCHES [CENTIMETERS].

PROJECT		
LOCATION		
ARCHITECT		
ENGINEER		
DWG. NO.	IDC16-IGF3	TITLE: <b>BERNER</b>
DATE	03JUNE14	MODEL IDC16 AIR CURTAIN
BY	S. Beil	INDIRECT GAS FIRED HEATER SYSTEM
REPLACES	-	
BY	-	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.