

Alhambra Unified School District, San Gabriel High School, New Vehicle Maintenance Facility, 801, S Ramona Street, Santa Gabriel, CA 91766

Mechanical Equipment Cut Sheets 14 August 2023

dHA + CALPEC 150 South Arroyo Parkway, Pasadena, CA 91105





MARK: SF&EF 1.1,1.2

PROJECT: 19767 AUSD VMF

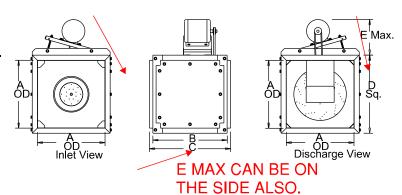
DATE: 12/19/2022

SQN-B

Centrifugal Square Inline Belt Drive

STANDARD CONSTRUCTION FEATURES:

All aluminum wheel - Galvanized steel housing - Three removable access doors - Closed cell neoprene gasketing - Inlet and discharge duct collars - Universal mounting feet - Regreasable bearings in a cast housing rated at 200,000 hours average life - Permanently lubricated ball bearing motor - Fixed pitch drives - Transit tested packaging.



Performance (*Bhp includes 9% drive loss)

	Qty	Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG	FEI	Speed Control
I	1	225SQN-B	5300	.500	867	1.20	56	1.05	VSD

Altitude (ft): 450 Temperature (F): 70

Motor Information

111010	11110					
HP	RPM	Volts/Ph/Hz	Enclosure	FLA	Mounted	VFD Rated
1-1/2	1725	460/3/60	ODP -PE	3	Yes	Yes

NEMA Premium® efficiency motor per MG-1 (2014) Table 12-12 FLA based on NEC (2017) Table 430.250

Sound Data Sound Power by Octave Band

	1	2	3	4	5	6	7	8	LwA	dBA	Sones
Inlet	72	79	78	74	73	69	62	54	77	66	13.5
Outlet	73	74	74	75	75	71	64	56	78	67	13.9

Accessories:

Premium Efficiency Motor (Min. 86.5%)
DRIVES (1.5 SF) @ 867 RPM, 56 HZ
VSD 1.5 HP 380-480/3 FAN MOUNTED SPEED CTRL
DISCONNECT NEMA 1 PRE-WIRED
BD-30 DAMPER
OSHA GUARD/MTR COVER
INLET FLEX DUCT CONN
OUTLET FLEX DUCT CON
INSULATED HOUSING
INLT PIEZOMETRIC RNG
COOK FLOW MONITOR
SC-245 SET(4) - ISOLATORS

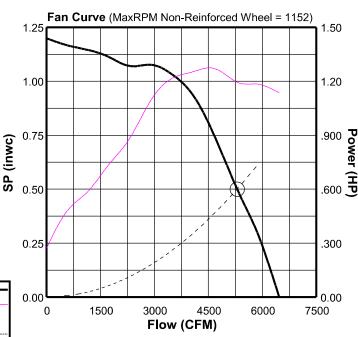
Dimensions (inches)

Α	30	
В	34-1/4	
ပ	37-1/4	
D	33-1/2	
Ε	15-1/4	

NOTE: Accessories may affect dimensions shown.

Weight(lbs)***	Shinning	155	Unit	321
i weiuiiiiibsi	Johnbullu	1400	UIIIL	יו אט ו

^{***}Includes fan, motor & accessories.



Fan Curve Legend

CFM vs SP

CFM vs HP

Point of Operation

System Curve

DATE: 12/19/2022

SimpliDrive

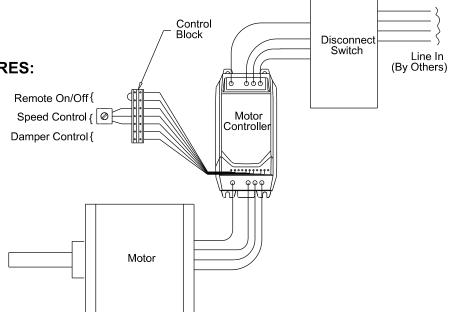
Vari-Flow® Motor Control Fan Mounted Speed Control

STANDARD CONSTRUCTION FEATURES:

- Factory Installed
- Pre-wired Motor and Disconnect
- Compatible with Vari-Flow Controllers
- IP20 Controller Enclosure
- Digital Display
- Single Point Control Connections
 - -Remote On/Off
 - -Analog 0-10VDC Speed Control
 - -Damper Control
- Factory Programmed to Include
 - -Motor Characteristics
 - -Min/Max Speed
 - -Motor Protection
 - -Soft Start
 - -Damper Control
- No Field Commissioning Required

Dimensions (inches)

D	Difficition (mence)								
Mark	Qty	Description							
SF&EF 1.1,1.2	1	VSD 1.5 HP 380-480/3							



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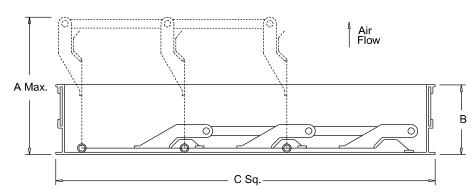
Gravity Backdraft Damper

STANDARD CONSTRUCTION FEATURES:

.020 Aluminum blades - .060 aluminum frame -Aluminum hinge pins - Nylon bushings.

Notes:

Max. operating temperature 200 Deg F (95 Deg C). Max. discharge velocity 2000 fpm. Sizes 36 thru 60 are shipped as 2 panels. Sizes 66 and 78 are shipped as 6 panels. These may require assembly.



Dimensions (inches)

Mark	Qty	Description	A Max.	В	C Sq.	# Panels
SF&EF 1.1,1.2	1	BD-30 DAMPER	5-3/16	1-7/8	29-3/4	1

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MOTOR COVER

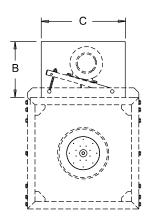
PROJECT: 19767 AUSD VMF

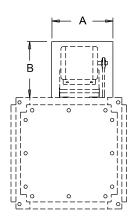
DATE: 12/19/2022

SF-1.1 & SF-1.2 AND EF-1.1 & EF-1.2

STANDARD CONSTRUCTION FEATURES:

18 ga. Galvanized steel - Meets OSHA requirements.





Dimensions (inches)

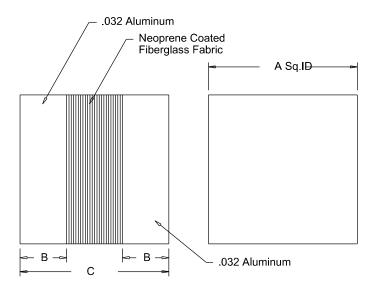
		.666)					
Mark	Qty	Description	Α	В	С		
SF&EF 1.1,1.2	1	OSHA GUARD/MTR COVER	32	24	30		

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DATE: 12/19/2022

Flexible Inlet Connector SF-1.1 & SF-1.2 AND EF-1.1 & EF-1.2



Dimensions (inches)

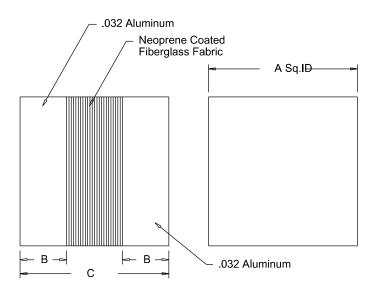
Mark	Qty	Description	A Sq.	В	C Max.
SF&EF 1.1,1.2	1	INLET FLEX DUCT CONN	30-1/4	3	9

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DATE: 12/19/2022

Flexible Outlet Connector SF-1.1 & SF-1.2 AND EF-1.1 & EF-1.2



Dimensions (inches)

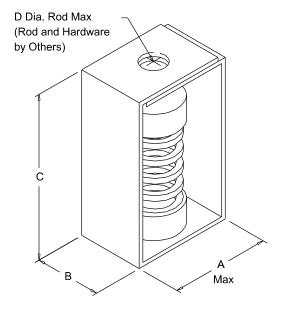
Mark	Qty	Description	A Sq.	В	C Max.
SF&EF 1.1,1.2	1	OUTLET FLEX DUCT CON	30-1/4	3	9

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DATE: 12/19/2022

SPRING CEILING

Housing Spring Spring Isolator Ceiling Mounted



Dimensions (inches)

Mark	Qty	Description	Α	В	С	D Dia.	Rated Deflection
SF&EF 1.1,1.2	1	SC-245 SET(4)	3-11/16	2-1/4	5-1/4	5/8	1.19

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MARK: EF-1.3

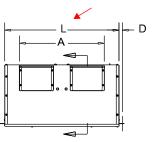
PROJECT: 19767 AUSD VMF

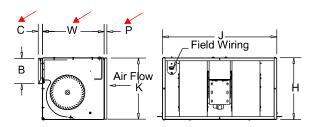
DATE: 5/19/2023

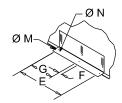
GEMINI

Inline Blowers 800-900 Series

STANDARD CONSTRUCTION FEATURES:
Twin forward curved galvanized steel fan
wheels - Corrosion resistant galvanized steel
fan housing - Acoustically insulated housing Aluminum backdraft damper with solid
aluminum hinge rod mounted in nylon bushings - Permanently lubricated motor with built-in
thermal overload protection and disconnect
plug - Interchangeable panels with removable
fasteners allows the intake to be easily changed
- Internal wiring box with disconnect receptacle.







Mounting Bracket Detail

Performance

	Qty	Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Input Watts	Speed Control
ĺ	1	GN-960	1320	500	1124	4 05	FSC

Altitude (ft): 450 Temperature (F): 70

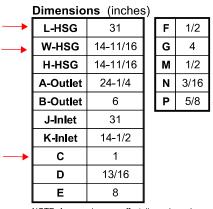
Motor Information

Volts/Ph/Hz	Nameplate Amps
1 15/1/60	5.6

										tave Ba	
1	2	3	4	5	6	7	8	LwA	dBA	Sones	
73	73	71	67	62	56	56	53	69	57	7.0	

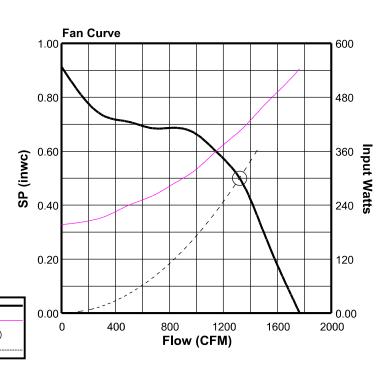
Accessories:

DISCONNECT NEMA 1 PRE-WIRED FAN SPEED CONTROLLER 10A 120V PREWIRE SC-35 SET(4) - ISOLATORS



Weight(lbs)***	Shipping	91	Unit	83	4
110.9()	Gbb9		• • • • • • • • • • • • • • • • • • • •		_

^{***}Includes fan, motor & accessories.



Fan Curve Legend

CFM vs SP

CFM vs Watts

Point of Operation

System Curve

DATE: 5/19/2023

FSC

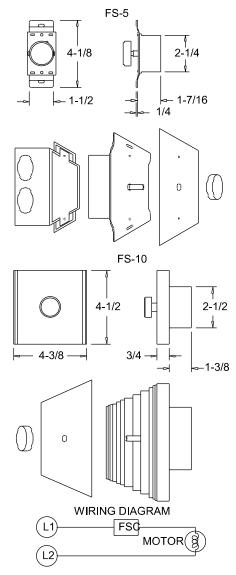
Fan Speed Controls

STANDARD CONSTRUCTION FEATURES:

PRODUCT DESCRIPTION - Through the "Quadrac" integrated semi-conductor device it is now possible to offer this system with many advantages. Fewer semi-conductor parts mean greater reliability and the passivation process used in the manufacture of the semi-conductor insures long life. Printed circuit construction eliminates wiring difficulties and guarantees workmanship. All of these factors serve to offer the most important of all features - quality. SPEED CONTROL - Positive Off/On action in the control dial. Speed range set to the customer's requirements. CONTROL RATING - 120 volts, 60 cycles, 1 phase. Maximum ambient temperature -120 degree F (5 AMP, 10 AMP, 15 AMP). 220/240 volt, 50/60 cycles, 1 phase. Maximum ambient temperature - 120 degree F (5 AMP, 10 AMP). 220/240 volt model not UL listed. Fan cannot have UL listing if furnished with prewired 220/240 volt FSC. 277 volt, 60 cycles, 1 phase. Maximum ambient temperature - 120 degree F (5 AMP). WARNING - Power must be turned off before installing this unit. STANDARD INSTALLATION - Fits any standard single gang box. Turn off power and connect the two wires on the control to the two switch wires in the usual manner. The connection box is not supplied. SPECIAL FEATURES - Complete range control, solid state "Quadrac" integrated circuitry, solid state construction for long reliable operating life, saves on electric bills.

Dimensions (inches)

Mark	Qty	Description
EF-1.3	1	FSC 10A 120V PREWIRE



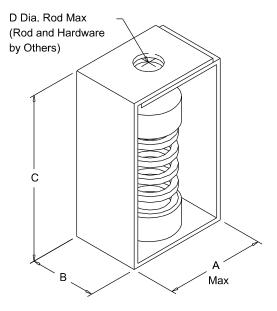
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SPRING CEILING

Housing Spring Spring Isolator Ceiling Mounted PROJECT: 19767 AUSD VMF

DATE: 5/19/2023



Dimensions (inches)

Mark	Qty	Description	Α	В	С	D Dia.	Rated Deflection
EF-1.3	1	SC-35 SET(4)	2-5/32	1-1/2	3-15/32	1/2	1.03

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MARK: EF1.4

PROJECT: 19767 AUSD VMF

DATE: 5/25/2023

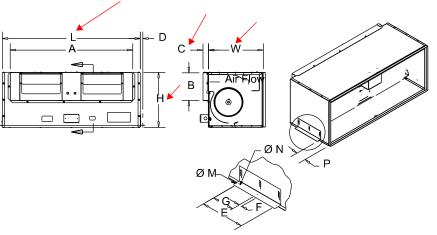
GEMINI

Inline Blowers 1000 & 2000 Series

STANDARD CONSTRUCTION FEATURES:

Twin forward curved galvanized steel fan wheels -Corrosion resistant galvanized steel fan housing -Acoustically insulated housing - Aluminum backdraft damper with solid aluminum hinge rod mounted in nylon bushings - Permanently lubricated motor with built-in thermal overload protection -

Interchangeable panels with removable fasteners allow the intake to be easily changed - Internal wiring box with disconnect receptacle.



Mounting Bracket Detail

1/2 3/16

3-3/16

М

Ν

Performance

Qty		Flow (CFM)				Speed Control
1	GN1000/1ph	1500	.500	1013	.308	FSC

Altitude (ft): 450 Temperature (F): 70

Motor Information

	HP	RPM	Volts/Ph/Hz	Nameplate Amps
Ī	1/2	1100	▲ 115/1/60	7.8

Sound Data	Inlet Sound	Power by	Octave Band
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1	2	3	4	5	6	7	8	LwA	dBA	Sones
64	66	67	60	55	50	44	37	63	51	4.5

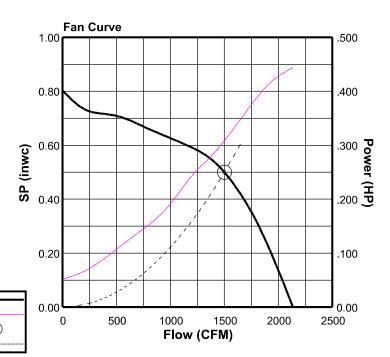
Accessories:

DISCONNECT NEMA 1 PRE-WIRED FAN SPEED CONTROLLER 10A 120V PREWIRE SC-35 SET(4) - ISOLATORS

	Dimensio	ns (inches	;)
	L-HSG	38-1/8	
	W-HSG	15-1/4	
	H-HSG	15-1/4	
	A-Outlet	33-11/16	
	B-Outlet	7-11/16	
	C	1-1/2	
	D	13/16	
	Е	8	
	F	1/2	
	G	4	

A-Outlet	33-1	1/16			
B-Outlet	7-11	I/16	1		
С	1-1	1/2	l		
D	13/	16	1		
E	8	3	1		
F	1/	2	1		
G	۷		1		
NOTE: Accesso	ories ma	y affect	- dimensi	ons sh	own.
Weight(lb	s)***	Shin	nina	126	Unit

*Includes fan motor & accessories



Fan Curve Legend

CFM vs SP CFM vs HP Point of Operation **System Curve**



DATE: 5/25/2023

FSC

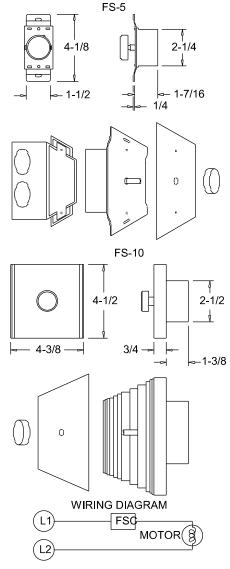
Fan Speed Controls

STANDARD CONSTRUCTION FEATURES:

PRODUCT DESCRIPTION - Through the "Quadrac" integrated semi-conductor device it is now possible to offer this system with many advantages. Fewer semi-conductor parts mean greater reliability and the passivation process used in the manufacture of the semi-conductor insures long life. Printed circuit construction eliminates wiring difficulties and guarantees workmanship. All of these factors serve to offer the most important of all features - quality. SPEED CONTROL - Positive Off/On action in the control dial. Speed range set to the customer's requirements. CONTROL RATING - 120 volts, 60 cycles, 1 phase. Maximum ambient temperature -120 degree F (5 AMP, 10 AMP, 15 AMP). 220/240 volt, 50/60 cycles, 1 phase. Maximum ambient temperature - 120 degree F (5 AMP, 10 AMP). 220/240 volt model not UL listed. Fan cannot have UL listing if furnished with prewired 220/240 volt FSC. 277 volt, 60 cycles, 1 phase. Maximum ambient temperature - 120 degree F (5 AMP). WARNING - Power must be turned off before installing this unit. STANDARD INSTALLATION - Fits any standard single gang box. Turn off power and connect the two wires on the control to the two switch wires in the usual manner. The connection box is not supplied. SPECIAL FEATURES - Complete range control, solid state "Quadrac" integrated circuitry, solid state construction for long reliable operating life, saves on electric bills.

Dimensions (inches)

Mark	Qty	Description
EF1.4	1	FSC 10A 120V PREWIRE

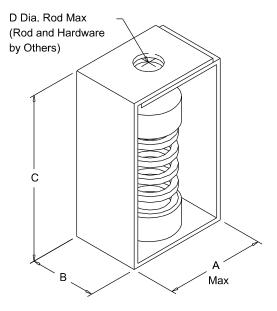




SPRING CEILING

Housing Spring Spring Isolator Ceiling Mounted PROJECT: 19767 AUSD VMF

DATE: 5/25/2023



Dimensions (inches)

Mark	Qty	Description	Α	В	С	D Dia.	Rated Deflection
EF1.4	1	SC-35 SET(4)	2-5/32	1-1/2	3-15/32	1/2	1.03

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MARK: EF-1.5

PROJECT: 19767 AUSD VMF

DATE: 5/19/2023

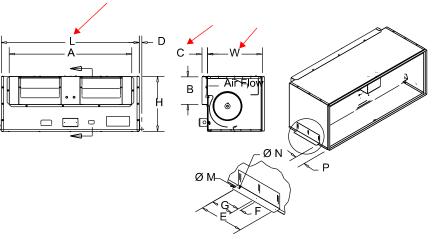
GEMINI

Inline Blowers 1000 & 2000 Series

STANDARD CONSTRUCTION FEATURES:

Twin forward curved galvanized steel fan wheels Corrosion resistant galvanized steel fan housing Acoustically insulated housing - Aluminum backdraft
damper with solid aluminum hinge rod mounted in
nylon bushings - Permanently lubricated motor with
built-in thermal overload protection -

Interchangeable panels with removable fasteners allow the intake to be easily changed - Internal wiring box with disconnect receptacle.



Mounting Bracket Detail

1/2

3/16 3-3/16

М

Ν

Performance

Qty		Flow (CFM)	SP (inwc)	Fan RPM	Power (HP)	Speed Control
1	GN2000/1ph	2400	.500	1012	.575	FSC

Altitude (ft): 450 Temperature (F): 70

Motor Information

HP	RPM	Volts/Ph/Hz	Nameplate Amps
1	1140	1 15/1/60	10.6

Sound Data Inlet Sound Power by Octave Band

1	2	3	4	5	6	7	8	LwA	dBA	Sones
72	70	69	70	60	57	53	43	69	57	7.0

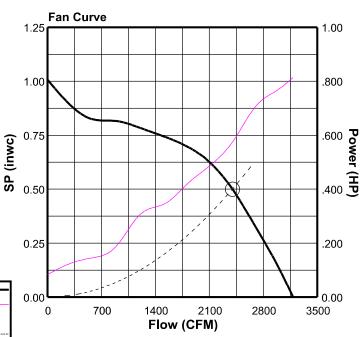
Accessories:

DISCONNECT NEMA 1 PRE-WIRED FAN SPEED CONTROLLER 15 AMP 120 VOLT SC-35 SET(4) - ISOLATORS

	Dimensio	ns (inche
-	L-HSG	45-7/16
—	W-HSG	16-5/8
	H-HSG	16-5/8
	A-Outlet	41-1/8
	B-Outlet	9-5/8
	С	1-1/2
	D	13/16
	E	8
	F	1/2
	G	1

	A-Outlet	41-1	/0						
	B-Outlet	9-5	/8						
•	С	1-1.	2						
	D	13/1	16						
	E	8							
	F	1/2	2						
	G	4							
	NOTE: Accessories may affect dimensions shown								
	Weight(lb	s)***	Shi	ppina	171	Un			

^{***}Includes fan. motor & accessories.



Fan Curve Legend

CFM vs SP

CFM vs HP

Point of Operation

System Curve



DATE: 5/19/2023

FSC

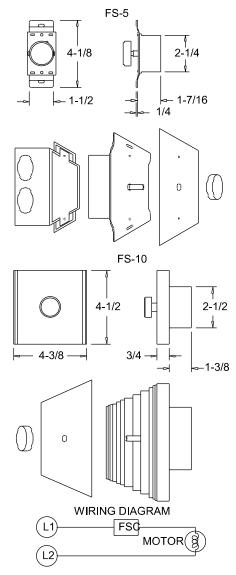
Fan Speed Controls

STANDARD CONSTRUCTION FEATURES:

PRODUCT DESCRIPTION - Through the "Quadrac" integrated semi-conductor device it is now possible to offer this system with many advantages. Fewer semi-conductor parts mean greater reliability and the passivation process used in the manufacture of the semi-conductor insures long life. Printed circuit construction eliminates wiring difficulties and guarantees workmanship. All of these factors serve to offer the most important of all features - quality. SPEED CONTROL - Positive Off/On action in the control dial. Speed range set to the customer's requirements. CONTROL RATING - 120 volts, 60 cycles, 1 phase. Maximum ambient temperature -120 degree F (5 AMP, 10 AMP, 15 AMP). 220/240 volt, 50/60 cycles, 1 phase. Maximum ambient temperature - 120 degree F (5 AMP, 10 AMP). 220/240 volt model not UL listed. Fan cannot have UL listing if furnished with prewired 220/240 volt FSC. 277 volt, 60 cycles, 1 phase. Maximum ambient temperature - 120 degree F (5 AMP). WARNING - Power must be turned off before installing this unit. STANDARD INSTALLATION - Fits any standard single gang box. Turn off power and connect the two wires on the control to the two switch wires in the usual manner. The connection box is not supplied. SPECIAL FEATURES - Complete range control, solid state "Quadrac" integrated circuitry, solid state construction for long reliable operating life, saves on electric bills.

Dimensions (inches)

Mark	Qty	Description
EF-1.5	1	FSC 15 AMP 120 VOLT

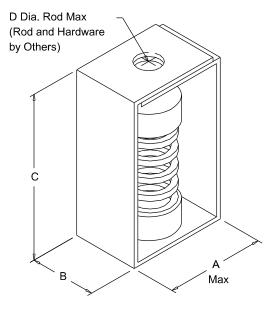




SPRING CEILING

Housing Spring Spring Isolator Ceiling Mounted PROJECT: 19767 AUSD VMF

DATE: 5/19/2023



Dimensions (inches)

Mark	Qty	Description	Α	В	С	D Dia.	Rated Deflection
EF-1.5	1	SC-35 SET(4)	2-5/32	1-1/2	3-15/32	1/2	1.03

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MARK: EF-1.5

PROJECT: 19767 AUSD VMF

DATE: 12/20/2022

GEMINI

Ceiling Fans 100 Series

STANDARD CONSTRUCTION FEATURES:

Forward curved injection molded polypropylene fan wheel - Injection molded flame resistant fan housing with round outlet duct - 22 ga. galvanized steel inlet box - Isolation mounted motor, mounted to one piece galvanized stamped steel integral motor mount/inlet - Permanently lubricated 2-speed motor with built-in thermal overload protection and disconnect plug - Field wiring compartment with receptacle - Adjustable prepunched mounting bracket - White, high impact styrene injection molded grille - Shipped in ISTA certified transit tested packaging.

Performance

Qty	Catalog	Flow	SP	Nominal	Input	Speed
	Number	(CFM)	(inwc)	RPM	Watts	Control
1	GC-166	70	.500	897	3 5	FSC

Altitude (ft): 450 Temperature (F): 70

Motor Information

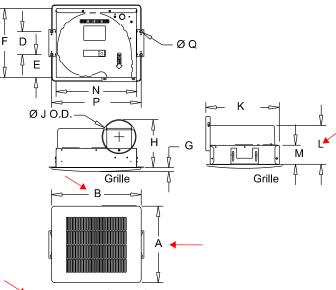
Volts/Ph/Hz	Nameplate Amps
1 15/1/60	.443

Sound Data Inlet Sound Power by Octave Band

1	2	3	4	5	6	7	8	LwA	dBA	Sones
51	53	55	49	46	41	37	32	52	40	2.0

Accessories:

DISCONNECT NEMA 1 PRE-WIRED
FAN SPEED CONTROLLER 5A 120V PREWIRED
ROOF CAP-CRB W/BDSCR
WHITE PLASTIC GRILLE
INTEGRAL BD DAMPER
SC-35 SET(4) - ISOLATORS



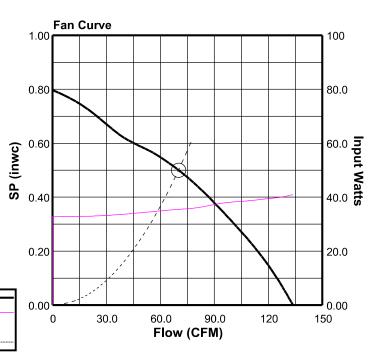
Dimensions (inches)

A Plastic	13-1/4		М	3-1/4
B Plastic	15-1/2		N	14
D	4		Ь	15-1/2
Е	4		Ø	1/2
F	12	'		
G	5/8			
Н	8-3/8			
J O.D.	5-15/16			
K	12-3/4			
L	6-11/16			

NOTE: Accessories may affect dimensions shown.

Weight(lbs)***	Shipping	40	Unit	37	١.
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^{***}Includes fan, motor & accessories.





CFM vs SP
CFM vs Watts
Point of Operation
System Curve

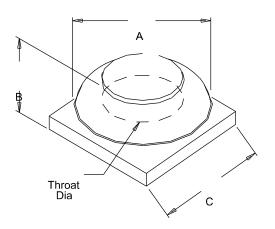
DATE: 12/20/2022

GEMINI

ROOF CAP Curb Mount

STANDARD CONSTRUCTION FEATURES:

Aluminum construction - Anti-backdraft flange Optional birdscreen - PR8, PR12, PR16, and PR20 are curb mount.



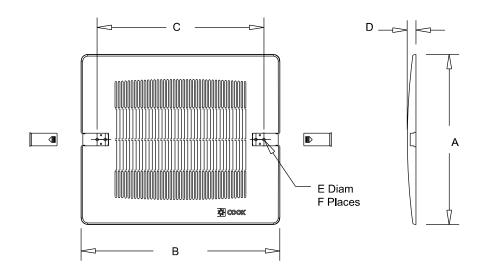
Dimensions (inches)

Mark	Qty	Description	Α	В	С	Throat Dia.
EF-1.5	1	ROOF CAP-CRB W/BDSCR	18-1/4	10-1/8	18	8-19/32

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DATE: 12/20/2022

GEMINIPLASTIC GRILLE



Dimensions (inches)

Mark	Qty	Description	Α	В	ပ	D	E Diam	F Places
EF-1.5	1	WHITE PLASTIC GRILLE	13-1/4	15-1/2	13	1/4	1/4	4

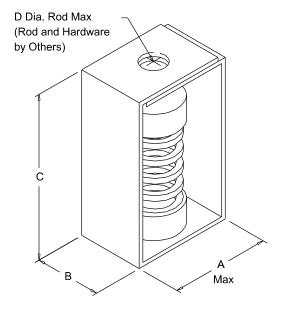
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DATE: 12/20/2022

SPRING CEILING

Housing Spring Spring Isolator Ceiling Mounted



Dimensions (inches)

Mark	Qty	Description	Α	В	С	D Dia.	Rated Deflection
EF-1.5	1	SC-35 SET(4)	2-5/32	1-1/2	3-15/32	1/2	1.03

v10.2.169.15392 Page 4 of 4







MARK: EF-1.6

PROJECT: 19767 AUSD VMF

DATE: 12/20/2022

GEMINI

Ceiling Fans 100 Series

STANDARD CONSTRUCTION FEATURES:

Forward curved injection molded polypropylene fan wheel - Injection molded flame resistant fan housing with round outlet duct - 22 ga. galvanized steel inlet box - Isolation mounted motor, mounted to one piece galvanized stamped steel integral motor mount/inlet - Permanently lubricated 2-speed motor with built-in thermal overload protection and disconnect plug - Field wiring compartment with receptacle - Adjustable prepunched mounting bracket - White, high impact styrene injection molded grille - Shipped in ISTA certified transit tested packaging.

Performance

Qty	Catalog	Flow	SP	Nominal	Input	Speed
	Number	(CFM)	(inwc)	RPM	Watts	Control
1	GC-186	140	.500	907	4 69	FSC

Altitude (ft): 450 Temperature (F): 70

Motor Information

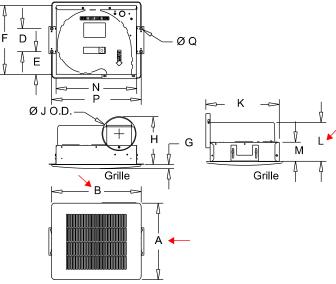
Volts/Ph/Hz	Nameplate Amps
115/1/60	.817

Sound Data Inlet Sound Power by Octave Band

1	2	3	4	5	6	7	8	LwA	dBA	Sones
55	58	60	55	52	47	44	40	58	46	3.0

Accessories:

DISCONNECT NEMA 1 PRE-WIRED
WHITE PLASTIC GRILLE
ROOF CAP-CRB W/BDSCR
FAN SPEED CONTROLLER 5A 120V PREWIRED
INTEGRAL BD DAMPER
SC-35 SET(4) - ISOLATORS



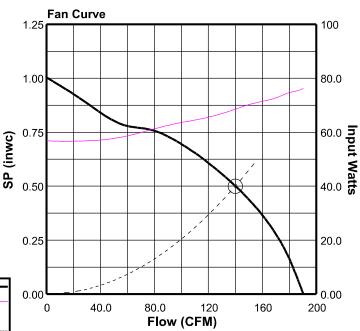
	Dimensions	(inches)
--	-------------------	----------

A Plastic	13-1/4		М	3-1/4
B Plastic	15-1/2		N	14
D	4		Ь	15-1/2
E	4		Q	1/2
F	12	'		
G	5/8			
H	8-3/8			
J O.D.	5-15/16			
K	12-3/4			
L	6-11/16			

NOTE: Accessories may affect dimensions shown.

Weight(lbs)***	Shipping	41	Unit	38
----------------	----------	----	------	----

***Includes fan. motor & accessories.

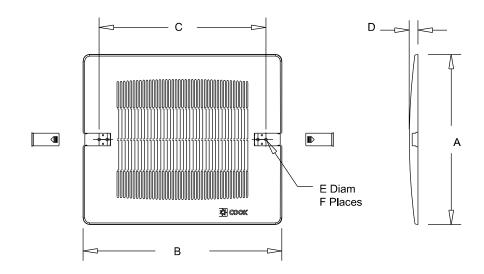




CFM vs SP
CFM vs Watts
Point of Operation
System Curve

DATE: 12/20/2022

GEMINIPLASTIC GRILLE



Dimensions (inches)

Mark	Qty	Description	Α	В	С	D	E Diam	F Places
EF-1.6	1	WHITE PLASTIC GRILLE	13-1/4	15-1/2	13	1/4	1/4	4

v10.2.169.15392 Page 2 of 4

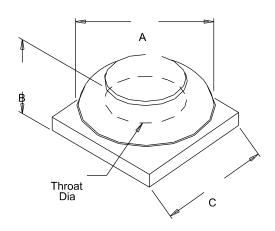
DATE: 12/20/2022

GEMINI

ROOF CAP Curb Mount

STANDARD CONSTRUCTION FEATURES:

Aluminum construction - Anti-backdraft flange Optional birdscreen - PR8, PR12, PR16, and PR20 are curb mount.



Dimensions (inches)

Mark	Qty	Description	Α	В	С	Throat Dia.
EF-1.6	1	ROOF CAP-CRB W/BDSCR	18-1/4	10-1/8	18	8-19/32

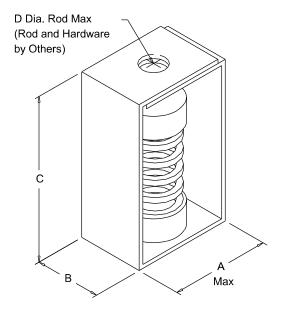
v10.2.169.15392 Page 3 of 4



DATE: 12/20/2022

SPRING CEILING

Housing Spring Spring Isolator Ceiling Mounted



PROJECT: 19767 AUSD VMF

Dimensions (inches)

Mark	Qty	Description	Α	В	С	D Dia.	Rated Deflection
EF-1.6	1	SC-35 SET(4)	2-5/32	1-1/2	3-15/32	1/2	1.03

v10.2.169.15392 Page 4 of 4



Specification: Motor Driven HR 9000-W-TMTR (Tube Type)

TECHNICAL INFORMATION

In the interest of continuing product improvement. we reserve the right to change models, specifications, and/or features without prejudice.

PROJECT:		_
LOCATION:	HRFD-1.1 &VEF-1.1,	_
	HRFD-1.2 & VEF-1.2 AND	_
ENGINEER:	HRFD-1.3 & VEF-1.3	_
CONTRACTOR:	11111 D-1.5 & VE1-1.5	_
DATE:	SALES ENGINEER:	

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Page: HRMO-1

MOTOR DRIVEN HOSE REEL SPECIFICATION SERIES 9000-W-TMTR (Tube Type, Chain Driven)

The vehicle exhaust extraction system shall consist of a hose reel with a single phase UL approved, totally enclosed, 120 V, ▶ 60 hz, 3.8 AMP, 430 Watt Motor, Limit Switches, and Chain Drive mechanism. Motor and drum rotate at 14-RPM.

SEE MOTOR FEATURES AND SPECIFICATIONS.

Motor to be operated by a spring rocker switch. Rocker switch to be either mounted on the wall, column, or switch may be wired directly to the hose reel and power cord dropped from the reel with the rocker switch mounted in box. Strain relief fittings to be used at both the box and junction on hose reel.

The hose reel shall consist of the following features:

The hose reel side mounting support frame shall be constructed of 11-gauge cold rolled steel. The side plates shall be drawn securely together by two heavy gauge "J" channel steel support braces. Each side plate has two pre-drilled 9/16" diameter holes for mounting of the hose reel.

The hose drum shall be constructed of 16-gauge cold rolled steel. The drum shall be formed and rolled to an 18" diameter and strengthened by four inner support bars. These bars are secured to the drum end flanges and pull the drum tightly against the end flange.

The drum end flanges shall be constructed of 16-gauge cold rolled steel. The end flange outer edge shall be rolled to provide strength and rigidity. Each end flange shall have a center pressed 18" diameter groove. This groove allows the reel drum and end flange to mate so the drum is always centered in relationship to the end flange. The drum's inner support bars draw the end flange securely to the drum for added strength, quality, and reliability.

The hose reel shall have a hose to drum connection fitting allowing for use of either 4", 5", 6", or 8" hose. The connection fitting supports an inner 6" or 8" diameter tube that completes the connection from the extraction hose to the side discharge connection fittings. The side discharge fitting is a complete bearing fitting and allows for the connection of the 6" or 8" diameter discharge duct.

The hose reel drum shall also be supplied with a hose tracking guide bar to guide the hose during recoiling function.

The entire hose reel shall be protected by P&L Virtralon polyester powder coating for longevity and to resist corrosion.



L Series Spring Hose Reel Widened, 4000 Series Hose

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

PROJECT:		_
LOCATION:	HRFD-1.1 &VEF-1.1,	_
ARCHITECT:	HRFD-1.2 & VEF-1.2 AND	_
ENGINEER:	HRFD-1.3 & VEF-1.3	_
CONTRACTOR:	11111 B 1:0 Q VEI 1:0	
DATE:	SALES ENGINEER:	

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A 48" B

8"

12"

18" Diameter Drum

25" Diameter Drum Flange

HRFD-1.1, 1.2 & 1.3:

55"LX25"W X37"H.

OP. WT. 350 LBS.

SERIES 9000-L

L Series Spring Operated Hose Reel

Component Listing:

- A. Heavy gauge steel support mounting frame
- B. End flange
- C. Drum assembly, 18" diameter
- D. Duct connection fitting & bearing assembly
- E. Internal hose tube, 8" diameter
- F. Hose tracking bar
- G. Hose to drum connector 8" diameter
- H. Dual spring cassettes
- I. Junction box for VEF Control Box/Electrical Panel and P4 Switch Power Cord

Drum storage capacity for Series 9000-L:

8" Diameter Hose: Up to 44' Hose Length (9000-L with 48" Drum)

Drum capacity is listed for information only. This does not reflect the length of hose supplied on the hose reel. Note - the above hose length is for industry standard. Hose reels can be supplied with longer lengths of hose - please consult factory

SERIES

Provided With: 6" Diameter 4000 Series Hose



Series 4000 High-Temperature Exhaust Extraction Hose

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

PROJECT:	
LOCATION:	_ HRFD-1.1 &VEF-1.1,
ARCHITECT:	_ HRFD-1.2 & VEF-1.2 AND
ENGINEER:	HRFD-1.3 & VEF-1.3
CONTRACTOR:	
DATE:	SALES ENGINEER:

Page: HS-4

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CONSTRUCTION: SILICONE/NOMEX

NOTE - The Series 4000 extraction hose is used for both overhead hose reels and conventional overhead systems.

Exhaust extraction hose is a double ply hose with an inner liner ply of woven fiberglass coated silicone rubber. A helically wound spring steel wire is imbedded between the inner liner ply and an exterior ply of woven Nomex coated with silicone rubber. The wire insures maximum flexibility and minimum diameter restrictions in sharp bend areas. The assembly is double wound with a treated Nomex cord and heat vulcanized to provide a greater strength and serviceability.

1250-degree F
Intermittent Exhaust Temperatures

1000-degree F Interior Temperature, per MIL PFR 62028

600-degree F
Continuous Duty, Baking Test

4"	5"	6"	8"	10"	12"	I/O
.015	.015	.015	.015	.015	.015	Inches
.025	.025	.025	.025	.025	.025	Inches
.060	.070	.080	.080	.080	.080	Inches
.100	.110	.120	.125	.125	.125	Inches
.750	.880	1.000	1.000	1.000	1.000	Inches
8.260	10.520	12.880	17.390	22.400	23.000	Ounces
2.08	2.52	3.00	4.00	6.00	8.40	Inches
	.015 .025 .060 .100 .750 8.260	.015 .015 .025 .025 .060 .070 .100 .110 .750 .880 8.260 10.520	.015 .015 .025 .025 .060 .070 .100 .110 .750 .880 8.260 10.520 125 .015 .025 .025 .025 .080 .120 .1280	.015 .015 .015 .015 .025 .025 .025 .025 .060 .070 .080 .080 .100 .110 .120 .125 .750 .880 1.000 1.000 8.260 10.520 12.880 17.390	.015 .015 .015 .015 .015 .025 .025 .025 .025 .025 .060 .070 .080 .080 .080 .100 .110 .120 .125 .125 .750 .880 1.000 1.000 1.000 8.260 10.520 12.880 17.390 22.400	.015 .015 .015 .015 .015 .015 .025 .025 .025 .025 .025 .025 .025 .060 .070 .080 .080 .080 .080 .100 .110 .120 .125 .125 .125 .750 .880 1.000 1.000 1.000 1.000 8.260 10.520 12.880 17.390 22.400 23.000

- * Temperature Range: 80 degrees F to 600 degrees F (Baking Test)
 This product meets Military Spec: MIL PFR 62028 Paragraph 4.7.8, 72 Hours at 1000 degrees F.
 This product has a temperature rating at 1250 degrees F for intermittent use.
- * Standard Lengths: 16', 20', 24' (Longer Lengths Available); Standard Diameters: 4", 5", 6", 8" Optional Diameters (10", 12")

Series 4000 extraction hose meets the requirements of the United States Air Force for low temperature flexibility and high temperature stability.

NOTE - The above diameters and lengths of the 4000 series hose are listed as standard. Other diameters and lengths are also available. Please contact MONOXIVENT for your Request.





Vehicle Exhaust Adapter Tapered Cone Adapter Series TCA

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

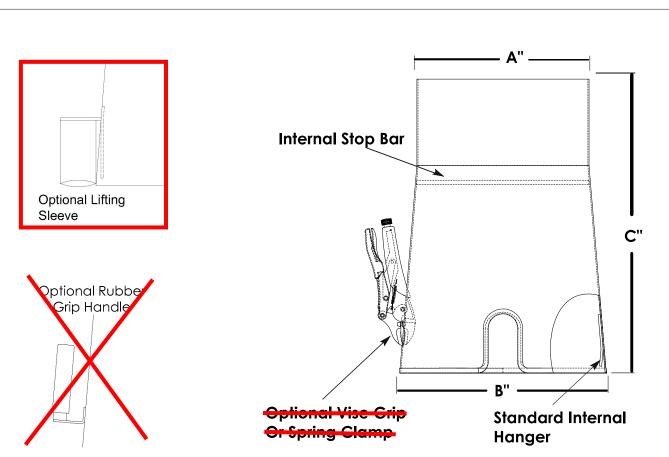
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LOCATION:	HRFD-1.1 &VEF-1.1,
ARCHITECT:	HRFD-1.2 & VEF-1.2 AND
ENGINEER:	HRFD-1.3 & VEF-1.3
CONTRACTOR:	1111 D-1.5 & VET-1.5
DATE:	SALES ENGINEER:

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Page: AC-3



^{*} Adapter Constructed of 18 Gauge 304 Stainless Steel

NOTE: The TCA is available with the optional spring clamp feature or vise grip lock.

<u>Model</u>	<u>A</u>	<u>B</u>	<u>C</u>
TCA-4	4"	6"	15"
TCA-5	5"	7"	15"
TCA-6	6"	8"	15"
TCA-8	8"	10"	17"
TCA-10	10"	12"	17"
TCA-12	12"	14"	17"
TCA-14	14"	16"	23"
TCA-16	16"	18"	25"
TCA-18	18"	20"	25"

NOTE: The TCA adapter can be supplied with the lifting pole sleeve. See page AC-6 for lifting pole information. The TCA adapter can be supplied with optional accessories - such as locking hand dampers, handles, inlet screens, etc.



Clamps: Bridge Clamps & Worm Gear Clamps

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

PROJECT:	_
LOCATION:	HRFD-1.1 &VEF-1.1,
ARCHITECT:	HRFD-1.2 & VEF-1.2 AND
ENGINEER:	HRFD-1.3 & VEF-1.3
CONTRACTOR:	
DATE:	SALES ENGINEER:

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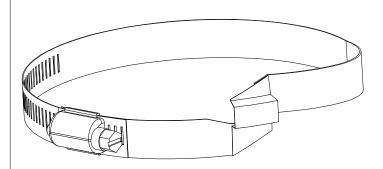
info@monoxivent.com

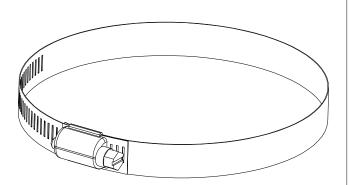
309-794-1000

Page: AC-30









Used for flex with external helix.

Model Numbers

BC-3	for	3" hose
BC-4	for	4" hose
BC-5	for	5" hose
BC-6	for	6" hose
BC-7	for	7" hose
BC-8	for	8" hose
BC-9	for	9" hose
BC-10	for	10" hose
BC-12	for	12" hose
BC-14	for	14" hose
BC-16	for	16" hose
BC-18	for	18" hose
BC-20	for	20" hose
BC-22	for	22" hose
BC-24	for	24" hose

Used for flex with internal helix.

Model Numbers

23905	for	3" hose
23456	for	4", 5", 6" hose
23909	for	8" hose
		0 11000



Direct Drive Fans

Series DMHR

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

PROJECT:		_
LOCATION:	HRFD-1.1 &VEF-1.1,	_
ARCHITECT:	HRFD-1.2 & VEF-1.2 AND	_
ENCINEED.	HRFD-1.3 & VEF-1.3	_
CONTRACTOR:	11111 D 1:0 Q VET 1:0	
DATE:	SALES ENGINEER:	

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Page: EF-7

Direct Mount to Hose Reel - D-Series

Blower mounted by flange directly to hose reel.

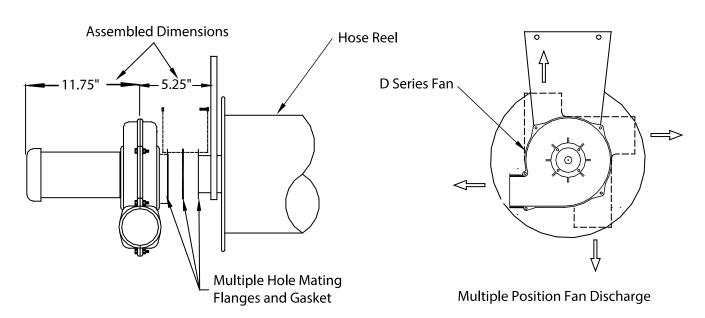
The blower can be rotated 360 degrees in 90 degree increments. This allows for discharge for a variety of requirements.

Motor support strapping is required/provided by factory for D15, D20 & D30 blowers.



Models

Single Phase	Three Phase
D075-SS-1-DMHR	D075-SS-3-DMHR
D10-SS-1-DMHR	D10-SS-3-DMHR
D15-LS-1-DMHR	D15-LS-3-DMHR
D20-LM-1-DMHR	D20-LM-3-DMHR
D30-LM-1-DMHR	D30-LM-3-DMHR





TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

PROJECT:	
LOCATION:	HRFD-1.1 &VEF-1.1,
ARCHITECT:	HRFD-1.2 & VEF-1.2 AND
ENGINEER:	HRFD-1.3 & VEF-1.3
CONTRACTOR:	
DATE:	SALES ENGINEER:

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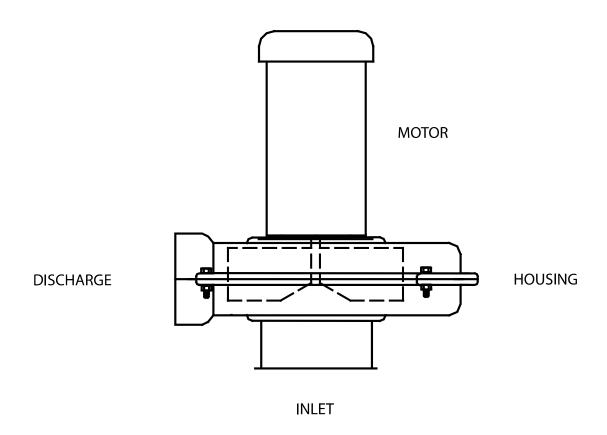
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Page: EF-1

DIRECT DRIVE BLOWERS - D-SERIES

The D Series Blower is a high-quality pressure style unit. The construction is Silumin (Silicon Aluminum Alloy) for the housing and the wheel. Standard Motors are Baldor with TEFC Enclosure. Standard Motors are UL UR Recognized as a component and CSA Certified in Canada. The D Series fans are not UL Listed or CSA Certified as an assembly. Motor specifications subject to change without notice. The D-Series Blower is made in the USA.



^{*} Housings and wheels are available, less motors.



Blowers Assembly

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

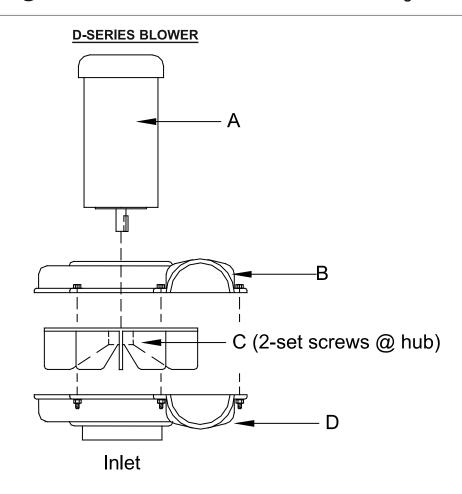
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DATE:	SALES ENGINEER:

Page: EF-2

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- A TEFC Motor 3450 RPM UL UR Recognized as a component and CSA Certified in Canada.
- **B** Top Housing Constructed of Cast Silumin (Silicon Aluminum Alloy)
- C Radial Wheel Constructed of Cast Silumin (Silicon Aluminum Alloy)
- D Bottom Housing Constructed of Cast Silumin (Silicon Aluminum Alloy)

^{*}The D Series Blower is a versatile exhauster, constructed of Silumin (Silicon Aluminum Alloy). The blower is available

^{*} The D Series Blower may be supplied with or without a mounting bracket. The blower shown (above) displays the motor, housing, and wheel only. (Housings and wheels are available, less motors). The D Series fans are not UL Listed or CSA Certified as an assembly. Motor specifications subject to change without notice.



Direct Drive Fans Blower Performance D Series

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

PROJECT:	HRFD-1.1 &VEF-1.1,
LOCATION:	HRFD-1.2 & VEF-1.2 AND
ARCHITECT:	HRFD-1.3 & VEF-1.3
ENGINEER:	TIMI D-1.3 & VLI -1.3
CONTRACTOR:	
DATE:	SALES ENGINEER:

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Page: EF-4

BLOWER PERFORMANCE CFM RATINGS AT LISTED SP

									DBA at
Model	HP	1"	2"	3"	4"	5"	6"	7"	5'
D05-SS	0.5	450	435	390	350	260	150		85
D075-SS	0.75	475	430	365	330	240			83
D10-SS	1.0				770	665	540	320	83
D15-LS	1.5	965	910	840	780	675	550	330	83
D20-LM	2.0			1237	1140	1070	990	915	86
D30-LM	3.0	1490	1420	1275	1213	1140	1070	990	86

^{*} Note: Standard Motors are Baldor with TEFC Enclosure. Motor - 3450 RPM. Standard Motors are UL UR Recognized as a component and CSA Certified in Canada.

The D Series Fans are not UL Listed or CSA Certified as an assembly.

Motor specifications subject to change without notice.

The construction is Silumin (Silicon Aluminum Alloy) for the housing and the wheel.

--- = Unstable operation

1 Phase: 115/208/230 Volt

3 Phase: 208/230/460/575 Volt

Electrical

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

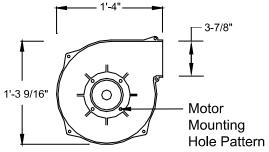
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DATE:	SALES ENGINEER:

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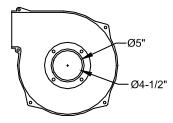
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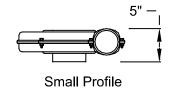
309-794-1000

Large Housing 18-1/2" -3.25" Ø5/16" 13.25" 6" O.D. Ø6-7/8" O.D. 20" Motor Mounting Ø6-3/8" I.D. Side Profile Hole Pattern Ø1/2" Top **Bottom**



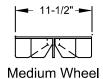






Page: EF-3

Fan Wheels





Electrical - FLA

<u>Configurations</u>						Single Phase			Three Phase				
	Model	<u>HP</u>	Housing	Wheel	Weights	<u>HP</u>	<u>115V</u>	208V	<u>230V</u>	208V	230V	460V	<u>575V</u>
	D075-SS	.75	Small	Small	75 I bs.	.75	9.6	6.1	4.8	3.1	2.6	1.3	.96
	D10-SS	1.0	Small	Small	75 I bs.	1.0	11.8	6.1	5.9	3.0	2.8	1.4	1.1
	D15-LS	1.5	Large	Small	75 I bs.	1.5	16.0	8.4	8.0	4.0	3.8	1.9	1.5
	D20-LM	2.0	Large	Medium	80 lbs.	2.0	23.0	12.0	11.5	5.3	5.0	2.5	2.0
	D30-LM	3.0	Large	Medium	80 lbs.	3.0			13	7.9	7.2	3.6	2.9

VEF-1.1, 1.2 & 1.3: 18.5"LX16.5"W X20"H. OP. WT. 75 LBS., SAY 80 LBS.



Control Box Starter (CBS) Electrical Components

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

PROJECT:		
LOCATION:	HRFD-1.1 &VEF-1.1,	_
	HRFD-1.2 & VEF-1.2 AND	_
ENGINEER:	LDED 1 2 9 VEE 1 2	_
CONTRACTOR:	HHID-1.3 & VEF-1.3	_
DATE:	SALES ENGINEER:	_

Page: EF-31

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Control Box Starter (CBS) • Electrical Components NEMA 12 BOX 12" X 10" X 5" 0 0 0 0 HINGED COVER DOOR 00 00 SERIES CBS - CONTROL BOX WITH OVERLOAD TERMINAL STRIP, TRANSFORMER CONTACTOR. TRANSFORMER 00 00 00 00 12" 00 **TERMINAL STRIP** NOTE: ON/OFF CONTROL SWITCH MOUNTED IN COVER OVER CONTACTOR LOAD 0 0 0 0 ELECTRICAL COMPONENTS ARE UL & CSA APPROVED -10"-VEF-1.1, 1.2 & 1.3 CONTROL BOX/ELECTRICAL PANEL: 10"LX5"W X12"H. OP. WT. 30 LBS.





Control Box Starter (CBS) Wiring Diagram

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

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Control Box Starter (CBS) • Wiring Diagram LOW VOLTAGE N.C. N.O. STOP START L2 L3 H1 H3 H2 H4 14 XF X1 T1 T2 T3 98 97 96 95 460V/3PH/60HZ OL 6 L1 L2 L3 460V/3PH/60HZ WIRING DIAGRAM FOR CBS CONTROL BOX SUPPLIED WITH THE FOLLOWING: NEMA CABINET W/ON-OFF KNOB **TRANSFORMER** CONTACTOR **OVERLOAD PROTECTION MOTOR** VEF-1.1, 1.2 & 1.3 CONTROL BOX/ELECTRICAL PANEL

Page: HRMO-10



4-BUTTON HANGING PENDULUM, 4-BUTTON WALL/COLUMN MOUNT & WIRING DIAGRAMS

TECHNICAL INFORMATION

In the interest of continuing product improvement, we reserve the right to change models, specifications, and/or features without prejudice.

PROJECT:		
LOCATION:		
ARCHITECT:		
ENGINEER:		
CONTRACTOR:		
DATE:	SALES ENGINEER:	

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info@monoxivent.com

309-794-1000

MONOXIVENT 4-BUTTON HANGING PENDULUM, 4-BUTTON WALL/COLUMN MOUNT & WIRING DIAGRAM Motor Starter/Contacts **LOW VOLTAGE** 115V/1PH/60HZ A1 #3 - Up #5 - Down #4 - Common BLOWER MOTOR CONNECTION HOSE REEL UP/DOWN CONNECTION 14 AUX NO 13 AUX NO START ≠ STOP P4 PENDULUM SWITCH: 2.5"LX2"W X5"H. OP. WT. 10 LBS. ON ON Monoxivent will supply: the push buttons, cover box, 20' power cord (hanging pendulum only), strain relief fittings (hanging pendulum only), and junction box. 6FF OFF UP UP DOWN DOWN 4-Button 4-Button Hanging Wall/Column Pendulum X Mount 12 - 22

Tag Data - Indoor Gas Heating Products (Qty: 2)

Item	Tag(s)	Qty	Description	Model Number
A1	GH-1, GH-2	2	Indoor Gas Heating Products (GIXC)	GLND020EEG10000000#

GH-1.1 & GH-1.2

Product Data - Indoor Gas Heating Products

Item: A1 Qty: 2 Tag(s): GH-1, GH-2

Open Drip Proof (ODP)

High efficiency indoor gas duct furnace Natural gas

→ 200 MBH input/166 MBH output

→ 460/60/3 main power supply 3/4 HP
Two stage gas control, intermittent pilot
Seventh design
Aluminized steel heat exchanger

Mechanical Specifications - Indoor Gas Heating Products

Item: A1 Qty: 2 Tag(s): GH-1, GH-2

GH-1.1 & GH-1.2

General - Centrifugal Fan/Duct Furnace

Unit is completely factory assembled, piped, wired, and test fired. Unit is ETL Certified, and conforms with the latest ANSI Z83.8/CSA 2.6 Standards for safe and efficient performance. Unit is provided with four point suspension hangers.

Casing for L,M

Casing is die-formed, 20 gauge [1.0 mm] cold rolled steel and finished in baked enamel. The bottom panel is easily removed to provide service access to the burners, pilot and orifices. Unit shall be provide with a air inlet and outlet duct flanges for use with field duct work.

Casing - Duct Furnace

Casing is die-formed, 20 gauge [1.0 mm] galvanized steel and finished in baked enamel. The bottom panel is easily removed to provide service access to the burners, pilot and orifices. The pilot is also accessible through a side panel access plate. The high limit switch is accessible through a side panel access.

Clamshell Heat Exchanger - Alumnized Steel

Heat Exchanger construction consists of seam welded 20 gauge [1.0 mm] aluminized steel and 18 gauge [1.3 mm] aluminized steel headers. Unit shall have a minimum of 80% thermal efficiency.

Flue Collector- Aluminized steel

Flue Collector construction is corrosion resistant aluminized steel.

Burners - Aluminized

Burners are die-formed, corrosion resistant aluminized steel, with stainless steel port protectors. Port protectors prevent scale or foreign matter from obstructing the burner ports. Burners individually removable for ease of inspection and servicing. Each burner is provided with an individually adjustable, manually rotated air shutter adjustment.

Flue Vent Fan

Flue vent fan provides power venting. Provided factory assembled to a sealed flue collection chamber.

Unit-460 volt

Unit shall be 460 volt, 60 hertz, three phase.

Motor-ODP

Motor is open drip proof with built in thermal overload protection.

Control - Hi-Eff Duct Furnace

A factory installed junction box is provided for all power connections. Standard unit is provided with a 24-volt combination single-stage redundant gas valve, consisting of a combination pilot solenoid valve, automatic electric gas valve, pilot filter, pressure regulator, pilot adjustment and manual shutoff. A flue vent fan relay and combustion air proving switch is also provided. Equipment includes spark-ignited intermittent pilot system with electronic flame supervision. A 24-volt control transformer and high limit and are provided.

Two Stage Gas Valve

Provide two-stage gas valve in leui of single-stage gas valve. Provides two stages of heat. Ignition is at low fire (50% of the furnaces rated input). Requires the use of a two-stage thermostat.

2 Stage Pilot

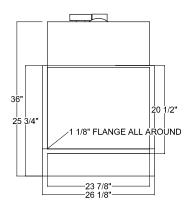
Solid state ignition control system ignites the pilot by spark during each cycle of operation. When pilot flame is proven, main burner valve opens to allow gas flow to burners. Pilot and burners are extinguished during off cycle. Required on California units.

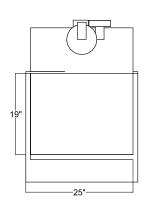
Unit Dimensions - Indoor Gas Heating Products Item: A1 Qty: 2 Tag(s): GH-1, GH-2

GH-1.1 & GH-1.2

CLEARANCE	SIDE	TOP	втм	CTL/BOX	FAN	FLUE
GL	6"	6"	21"	6"	N/A	6"

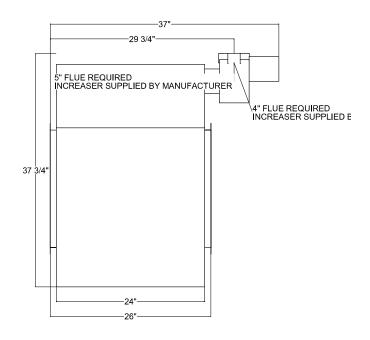
MBH	WEIGHT
200	232.0 lb

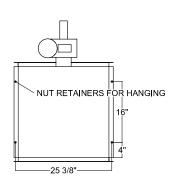




FRONT

BACK





26-1/8"LX26"WX37-3/4"H OP.WT. 240 LBS.

RIGHT

TOP

Tag Data - Indoor Gas Heating Products (Qty: 1)

Item	Tag(s)	Qty	Description	Model Number
A1	GH-1.3	1	Indoor Gas Heating Products (GIXC)	GLND010EEG10000000#

GH-1.3 & GH-1.4

Product Data - Indoor Gas Heating Products

Item: A1 Qty: 1 Tag(s): GH-1.3

High efficiency indoor gas duct furnace Natural gas

→ 100 MBH input/83 MBH output

→ 1/2 HP

→ 460/60/3 main power supply

Two stage gas control, intermittent pilot

Seventh design

Aluminized steel heat exchanger

Open Drip Proof (ODP)

Mechanical Specifications - Indoor Gas Heating Products GH-1.3 & GH-1.4

Item: A1 Qty: 1 Tag(s): GH-1.3

General - Centrifugal Fan/Duct Furnace

Unit is completely factory assembled, piped, wired, and test fired. Unit is ETL Certified, and conforms to the latest ANSI Z83.8/CSA 2.6 Standards for safe and efficient performance. Unit is provided with four point suspension hangers.

Casing for L, M

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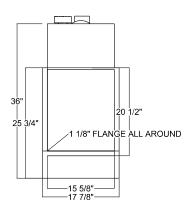
2 Stage Pilot

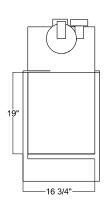
Solid state ignition control system ignites the pilot by spark during each cycle of operation. When pilot flame is proven, main burner valve opens to allow gas flow to burners. Pilot and burners are extinguished during off cycle. Required on California units.

Unit Dimensions - Indoor Gas Heating Products GH-1.3 & GH-1.4 Item: A1 Qty: 1 Tag(s): GH-1.3

CLEARANCE	SIDE	TOP	втм	CTL/BOX	FAN	FLUE
GL	6"	6"	21"	6"	N/A	6"

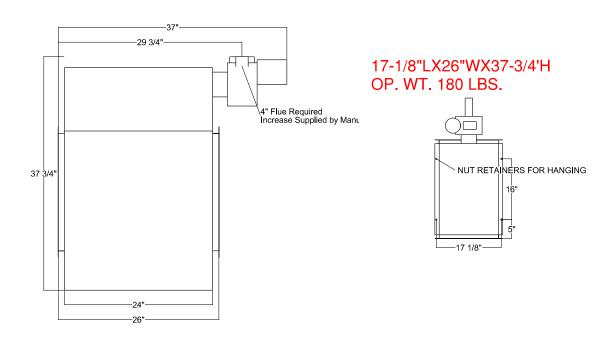
MBH	WEIGHT
100	173.0 lb





FRONT

BACK



RIGHT

TOP



(FUTURE) AC-1.1

Trane Precedent Gas/Electric Packaged Rooftop

Unit Ove	Unit Overview - YHC037E4RXA**06D10000000000000000000000000000000000										
Application Unit Size Supply Fan External Dimensions (in.) Operating Weight EER IEER/SEER Elevat							Elevation				
DX cooling,		Airflow	External Static Pressure	Height	Width	Length	Minimum	Maximum	13.00	17.50	
gas heat	SEER (037)	960 cfm	1.300 in H2O	3.02 ft	3.69 ft	5.82 ft	544.0 lb	767.0 lb			

Unit Features

SupplyFan/Drive/ MotorType Single Zone VAV Condenser coil protection Std condenser coil w/hail guard Hinged Service Access/Filters Std panel/2 in pltd filters MERV 13

840 lbs with Roof Curb



Unit Electrical

Voltage/phase/hertz 460/60/3 MCA 12.00 A **MOP** 15.00 A

Controls

Unit Controls Microprocessor controls

Cooling Section	
Entering Dry Bulb 77.70 F	Capacity
Entering Wet Bulb 63.80 F	Gross Total 31.75 MBh
Ambient Temp 99.00 F	Gross Sensible 24.48 MBh
Leaving Coil Dry Bulb 54.09 F	Net Total 29.96 MBh
Leaving Coil Wet Bulb 52.22 F	Net Sensible 22.70 MBh
Leaving Unit Dry Bulb 56.31 F	Fan Motor Heat 1.79 MBh
Leaving Unit Wet Bulb 53.16 F	Refrig Charge-circuit 1 7.6 lb
Refrigeration System Options	
Leaving Dew Point 50.81 F	

Heating Section

Heat Type Gas Heat **Heating Stages** 1 **Output Heating Capacity 48.60 MBh** Output Heating Capacity with Fan 50.39 MBh Heating EAT 61.80 F Heating LAT 108.90 F **Heating Temp Rise** 47.10 F

Fan Section	
Indoor Fan Data	Outdoor Fan Data
Type FC Centrifugal	Type Propeller
Drive Type Direct	Fan Quantity 1
Evap Fan FLA 3.70 A	Drive Type Direct
Indoor Fan Performance	Outdoor Fan Performance
Airflow 960 cfm	Outdoor Motor Power 0.21 kW
Design ESP 1.300 in H2O	Condenser Fan FLA 0.60 A
Component SP 0.040 in H2O	
Total SP 1.340 in H2O	
Supply Motor Horsepower 0.750 hp	

Compressor Section

Indoor Motor Operating Power 0.59 bhp

Indoor Motor Power 0.44 kW

Indoor RPM 1085 rpm

Power 2.48 kW Circuit 1 RLA 5.70 A Circuit 2 RLA 0.00 A

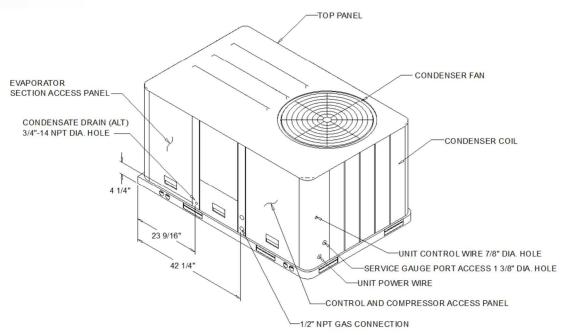
2023/06/08 17:37:43 Page 1 of 11 Job Name: AUSD-VMF-School Bus Repair Facility/Garage Prepared For: Unit Tag: AC-1-ULN Quantity: 1

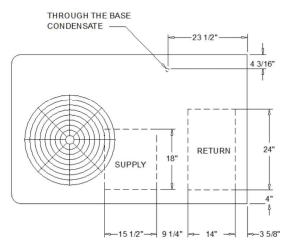
(FUTURE) AC-1.1

Acoustics								
Sound Path	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz

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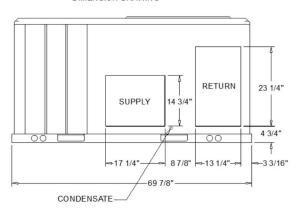
- NOTES:

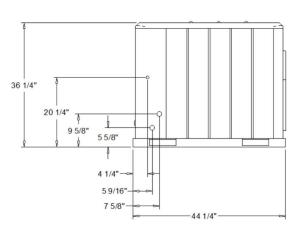
 1. THRU -THE -BASE GAS AND ELECTRICAL IS NOT STANDARD ON ALL UNITS.

 2. VERIFY WEIGHT, CONNECTION, AND ALL DIMENSION WITH INSTALLER DOCUMENTS BEFORE INSTALLATION

PLAN VIEW UNIT

DIMENSION DRAWING





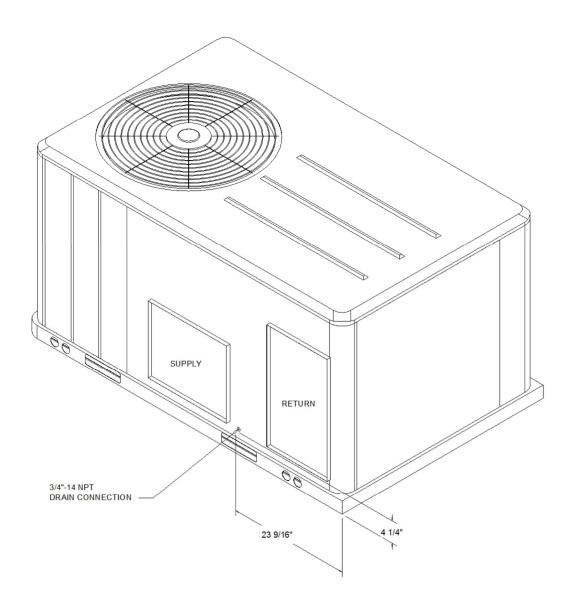
HORIZONTAL AIR FLOW

PACKAGED GAS / ELECTRICAL

DIMENSION DRAWING

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ISOMETRIC-PACKAGED COOLING

2023/06/08 17:37:43 Page 4 of 11



ELECTRICAL / GENERAL DATA

GENERAL (2)(4)(6) Model: Unit Operating Voltage: Unit Secondary Voltage Unit Hertz: Unit Phase: Standard Motor MCA: MFS: MCB:	414-506 M 460 M M 60 3 13.0/17.5	versized Motor CA: N/A FS: N/A CB: N/A eld Installed Oversized Motor CA: N/A FS: N/A CB: N/A	HEATING PERFORMANCE HEATING - GENERAL DATA Heating Model: Heating Input (BTU): Heating Output (BTU): No. Burners: No. Stages Gas Inlet Pressure Natural Gas (Min/Max): LP (Min/Max) Gas Pipe Connection Size:	Low 60000 48600 2 1
INDOOR MOTOR Standard Motor Number: 1. Horsepower: 0.7 Motor Speed (RPM): Phase 1. Full Load Amps: 3.7 Locked Rotor Amps:		Oversized Motor Number: Horsepower: Motor Speed (RPM): Phase Full Load Amps: Locked Rotor Amps:		Field Installed Oversized Motor Number: N/A Horsepower: N/A Motor Speed (RPM): N/A Phase N/A Full Load Amps: N/A Locked Rotor Amps: N/A
COMPRESSOR Cir Number: 1 Horsepower: 2.7 Phase: 3 Rated Load Amps: 5.7 Locked Rotor Amps: -			OUTDOOR MOTOR Number: 1 Horsepower: 0.20 Motor Speed (RPM): 1075 Phase: 1 Full Load Amps: 0.6	
POWER EXHAUST ACC (Field Installed Power Exhat Phase: N// Horsepower: N// Motor Speed (RPM): N// Full Load Amps: N// Locked Rotor Amps: N//	ust)	Furnished: Number	Throwaway (es	REFRIGERANT ⁽²⁾ Type Factory Charge Circuit #1 7.8 lb Circuit #2 N/A

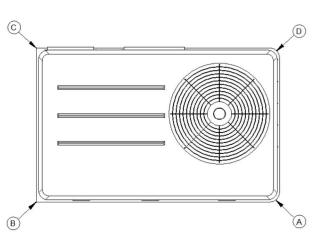
- 1. Maximum (HACR) Circuit Breaker sizing is for installations in the United States only.
- 2. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
- Value does not include Power Exhaust Accessory.
 Value includes oversized motor.
- 5. Value does not include Power Exhaust Accessory.
- 6. EER is rated at AHRI conditions and in accordance with DOE test procedures
- 7. Installation of this power exhaust kit will affect unit level MCA and could affect MOP sizing having a direct impact on existing field wiring and unit protection devices. The change in MCA/MOP is the sole responsibility of the field installing party. Trane will not issue new nameplates as a result of this power exhaust accessory installation. FLA of the power exhaust kit option must be added to the MCA of the unit for building supply conductor sizing determination.

UVGI ACCESSO	RY			
(Factory Installed	d)			
Voltage (V):	120			
Power (W):	75			
Current (A):	1.6			

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INSTALLED ACCESSORIES NET WEIGHT DATA



PACKAGED GAS / ELECTRICAL

CORNER WEIGHT

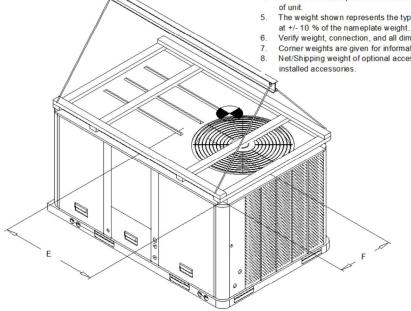
ACCESSORY						W	EIGHTS	
ECONOMIZ	ER							
MOTORIZE	D OUTSIDE AI	R DAMP	ER					
MANUAL OUTSIDE AIR DAMPER								
BAROMETE	RIC RELIEF							
OVERSIZE	DMOTOR							
BELT DRIVI	EMOTOR							
POWER EX	HAUST							
THROUGH	T THE BASE E	LECTRIC	CAL/GAS (FIOI	PS)				
UNIT MOU	NTED CIRCUIT	BREAK	ER (FIOPS)					
UNIT MOUN	NTED DISCON	NECT (F	IOPS)					
POWERED	CONVENIENC	E OUTL	ET (FIOPS)					
HINGED DO	OORS (FIOPS)							
HAIL GUARD							12.0 lb	
SMOKE DE	TECTOR, SUP	PLY / RE	ETURN					
NOVAR CO	NTROL							
STAINLESS STEEL HEAT EXCHANGER							4.0 lb	
REHEAT								
ROOF CUR	В							
BASIC UNIT WEIGHTS			CORNER WEIGHTS				TER OF	GRAVITIY
SHIPPING	NET	A	178.0 lb	(C)	126.0 lb	(E) L	ENGHT	(F) WIDTI
676.0 lb	606.0 lb	(B)	162.0 lb	(D)	139"	33"	II.	19"

NOTE:

- All weights are approximate. Weights for options that are not list refer to Installation guide.
- The actual weight are listed on the unit nameplate.
- Refer to unit nameplate and installation guide for weights before scheduling transportation and installation
- of unit.

 The weight shown represents the typical unit operating weight for the configuration selected. Estimated
- Verify weight, connection, and all dimension with installer documents before installation.
- Corner weights are given for information only.

 Net/Shipping weight of optional accessories should be added to unit weight when ordering factory or field



PACKAGED GAS / ELECTRICAL

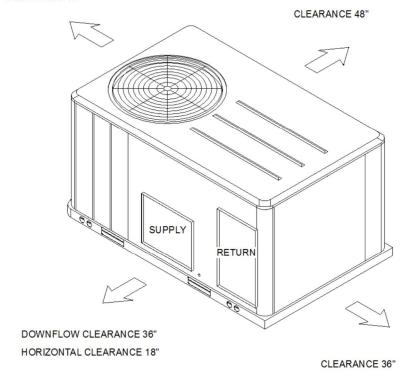
RIGGING AND CENTER OF GRAVITY

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CLEARANCE FROM TOP OF UNIT 72"

CLEARANCE 36"



PACKAGED GAS/ELECTRIC

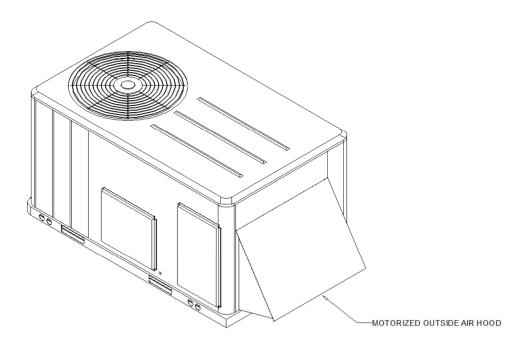
CLEARANCE ROOF OPENING-UNIT OUTLINE-44 1/2" 37" -68 3/16"-

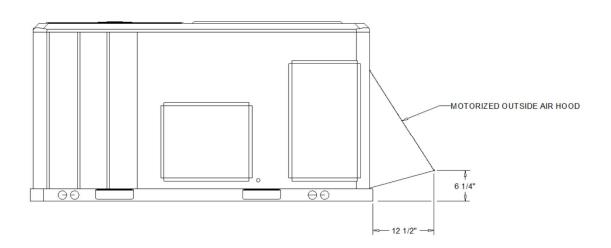
PACKAGED GAS/ELECTRIC

DOWNFLOW TYPICAL ROOF OPENING

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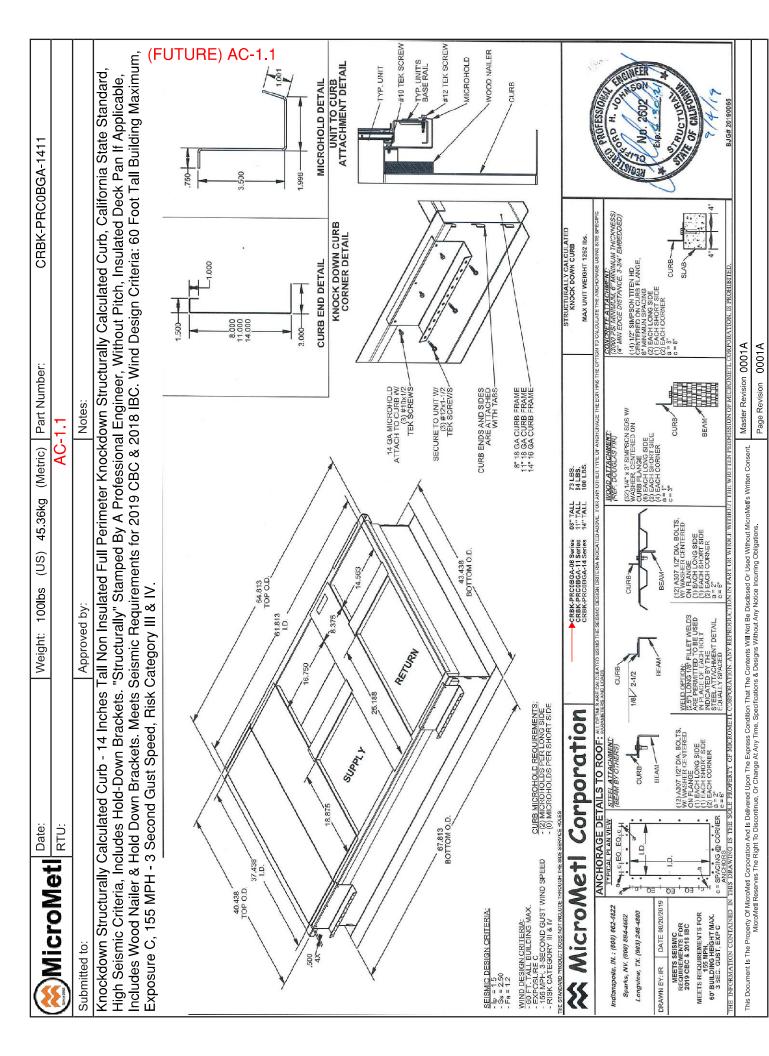






ACCESSORY - MOTORIZED OUTSIDE AIR HOOD

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Indianapolis_3035 N. Shadeland Ave., Indianapolis, IN 46226_800.MMC.HVAC • Sparks_905 Southern Way, Sparks, NV 89431_800.884.4MMC • Longview_201 Kodak Blvd., Longview, TX 75602_903.248.4800



182 GRANITE STREET, SUITE 101, CORONA, CA 92879
PHONE: (951)278-1830 FAX: (951)278-8444 www.canfab.com canfab@canfab.com

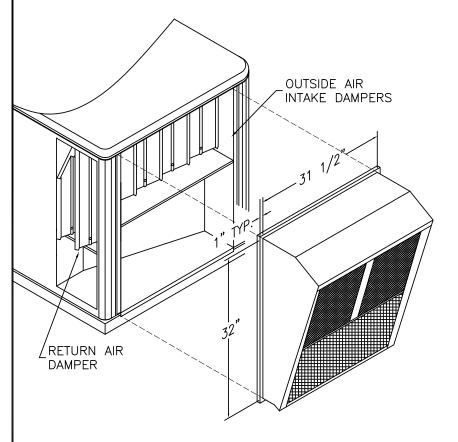
TRANE PRECEDENT 3-5 TON

TSC 036G-060G, YSC 036G-060G, THC 036G, YHC 036G, TSC 036H-060H, YSC 036H-060H, THC 036H, YHC 036H, TZC 036F, WHC 036H, WSC 036H-48H, YZC 036F, GWSC 036H-048H

PART NO: 6139-HEC

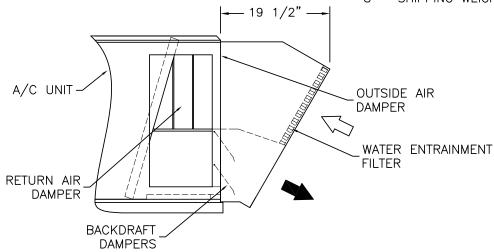
100% BAROMETRIC RELIEF HORIZONTAL DISCHARGE ECONOMIZER





FEATURES

- 1 HEAVY GA. GALVANIZED STEEL CONSTRUCTION.
- 2 COLOR COORDINATED PAINT FINISH.
- 3 WATER ENTRAINMENT INTAKE FILTERS.
- 4 TRANE RELIATEL DRYBULB OR HONEYWELL ELECTRO MECHANICAL DRYBULB CONTROL SYSTEM (SPECIFY WHEN ORDERING)
- 5 OPTIONAL BELIMO LF24SR-US
 ACTUATOR AVAILABLE, ADD "B" TO
 THE END OF PART NUMBER (BELIMO
 ACTUATOR ONLY, NO OTHER
 CONTROLS PROVIDED)
- 6 UTILIZES THE HVAC ÚNIT FILTER PACKAGE.
- 7 APPROXIMATELY 75% TO 100% RELIEF OF THE ECONOMIZER INTAKE.
- 8 SHIPPING WEIGHT 175 LBS.



PROJECT:	DATE:
ENGINEER:	DISTRIBUTOR:
DRAWING NUMBER:	