

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

	OFFICE USE ONLY
APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0113
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Greenheck Fan Corporation	
Manufacturer's Technical Representative: Brandon Schreiner	
Mailing Address: 1100 Greenheck Drive, Schofield, WI 54479	
Telephone: (715) 297-7430 Email: Brandon.Schrein	ner@greenheck.com
Product Information	
Product Name: Greenheck Ventilation Fans (SQ/BSQ/XID/XIB, R, RBUMO,	RSF/RSFP/XRS)
Product Model Number(s): Various (See Attachment)	E.
Product Category: Air Handling Units OSP-0113	1 CF
Product Sub-Category: Fans	
General Description: Air handling fans including centrifugal and propelle	r, inline and rooftop, supply, and exhaust.
Mounting Description: Several - See Certified Product Tables -	
Tested Seismic Enhancements: Seismic enhancements made to the test anomalies during the tests shall be income	t units and/or modifications required to address reported into the production units.
Applicant Information	
Applicant Company Name: TRU Compliance, by Structural Integrity Associa	ates
Contact Person: Daniel Zentner	
Mailing Address: 233 SW Wilson Ave, Suite 101, Bend, OR 97702	
Telephone: (541) 292-5839 Email: dzentner@struct	int.com
Title: Program Manager	



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OSP-0113



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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)						
Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.						
Ame: LACHEZAR HANDZHIYSKI California License Number: S6515						
Mailing Address: 5215 Hellyer Avenue, Suite 210, San Jose, CA 95138						
Telephone: (669) 437-0200 Email: Lhandzhiyski@StructInt.com						
Certification Method						
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3						
Other (Please Specify):						
FOR CODE CO.						
Testing Laboratory						
Company Name: ANCO ENGINEERS, INC.						
Contact Person: Michael Schulze						
Mailing Address: 1965 33rd Street, Suite A, Boulder CO 80301						
Telephone: (303) 443-7580 Email: anco@ancoengineers.com						
Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)						
Contact Person: Jeremy Lange QMDATE: 05/05/2025						
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513						
Telephone: (972) 247-9657 Email: info@etldallas.com						
BUILDING						



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OSP-0113



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Seismic Parameters

Desig	n Basis of Equipment or Components	(Fp/Wp) = 1.43		
	SDS (Design spectral response accele	eration at short period, g) = 1.90		
	ap (Amplification factor) =	2.5		
	Rp (Response modification factor) =	6.0		
	Ω_0 (System overstrength factor) =	2.0		
	Ip (Importance factor) =	1.5		
	z/h (Height ratio factor) =	1		
	Natural frequencies (Hz) =	See Attachment		
	Overall dimensions and weight =	See Attachment		
		NED FOR OMB	-	
HCA	Approval (For Office Use Only) -	Approval Expires on 05/05/2031		
Date	5/5/2025	OSP-0113	F	
Nam	e: Mohammad Karim	RV: Mohammad Karim	_ Title:	Supervisor, Health Facilities
Speci	al Seismic Certification Valid Up to: Si	ps(g) = 1.9	_ <mark>z/h =</mark>	1
Cond	ition of Approval (if applicable):	DATE 05/05/2025		
		PRIVIA BUILDING COD	2025	



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TRU PROJECT NO. 1900532, Rev. 1

Manufacturer:	Greenheck Fan Corporation (Accurex)	
Model Line:	SQ, XID	

TABLE 1

Certified Product Construction Summary:

Carbon Steel Panels; Heavy-Gauge Carbon Steel Drive Frame; Inlet and Outlet Duct Collars; Direct Drive; Aluminum Wheel or Composite Wheel (SQ 60-95 composite option available); Disconnect Switch; (2) Removable Access Panels

Certified Options Summary:

Vari-Green Motor; Inlet and Outlet Guards; Speed Controller; Extended Lube Lines; HP (high pressure wheel) Filter boxes are not covered for this model line.

Fans are also sold under Accurex Brand as "XID" (replace "SQ" with "XID" for model number)

Mounting Configuration:

Base mounted - spring isolated

FOR CODE CON

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022		Seismic Certification Limits:			= 1.90 g z/h=1.0 1.90 g z/h=0.0	<i>I</i> _P = 1.5	
Model Line	Model	Dir	nensions	(iń) 3	Weight	Notes	UUT
Model Line	Model	Depth	Width	Height	(lbs.)	Notes	001
	S <mark>Q-60</mark>	B 15.0/0	ha ^{12,0} na	12.0	33	0	Extrap.
	S <mark>Q-65</mark>	15.0	12.0	12.0	33		Extrap.
	SQ-70	15.0	12.0	12.0	33		Extrap.
	SQ-75	15.0	12.0	12.0	33		Extrap.
	SQ-80	19.0	15.0	15.0	45		Extrap.
	SQ-85	19.0	15.0	15.0	45		Extrap.
	SQ-90	19.0	15.0	15.0	45		Extrap.
Greenheck	SQ-95	19.0	15.0	15.0	45	UUT25: 41.5 lbs., UUT44: 56 lbs.	25, 44
"SQ"	SQ-97	19.0	15.0	15.0	53		Interp.
	SQ-98	19.0	15.0	15.0	53		Interp.
Accurex	SQ-99	19.0	15.0	15.0	53		Interp.
"XID"	SQ-100	24.0	17.0	17.0	62		Interp.
	SQ-120	24.0	19.0	19.0	66		Interp.
	SQ-130	24.0	21.0	21.0	68		Interp.
	SQ-130HP	24.0	21.0	21.0	68		Interp.
	SQ-140	25.0	23.0	23.0	101		Interp.
	SQ-140HP	25.0	23.0	23.0	101		Interp.
	SQ-160	29.0	26.0	26.0	111		Interp.
	SQ-160HP	29.0	26.0	26.0	111	UUT26: 110.5 lbs.	26

TRU PROJECT NO. 1900532, Rev. 1



Manufacturer: Greenheck Fan Corporation (Accurex)

SQ, XID

TABLE 2

Certified Product Construction Summary:

Carbon Steel Panels; Heavy-Gauge Carbon Steel Drive Frame; Inlet and Outlet Duct Collars; Direct Drive; Aluminum Wheel or Composite Wheel (SQ 60-95 composite option available); Disconnect Switch; (2) Removable Access Panels

Certified Options Summary:

Model Line:

Direct Drive Motor Cover; Speed Controllers; Side Discharge; Wiring Pigtail; HP (high pressure wheel) Filter boxes are not covered for this model line.

FOR

Fans are also sold under Accurex Brand as "XID" (replace "SQ" with "XID" for model number)

Mounting Configuration:

Ceiling mounted - spring isolated

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022	ME .	Seismic C	ertificatio	on Limits:		1.90 g z/h=1.0 1.90 g z/h=0.0	1.5
Model Line	Model	Dir	nensions	(iń) 3	Weight	Notes	UUT
Model Line	Model	Depth	Width	Height	(lbs.)	Notes	001
	S <mark>Q-60</mark>	B 15.0	ha <mark>12.0</mark> na	d 12.0 rin	33	UUT29: 33 lbs.	29
	SQ-65	15.0	12.0	12.0	33		Interp.
	SQ-70	15.0	12.0	12.0	33		Interp.
	SQ-75	15.0	12.0	12.0	33		Interp.
	SQ-80	19.0	15.0	15.0	45		Interp.
	SQ-85	19.0	15.0	15.0	45		Interp.
	SQ-90	19.0	15.0	15.0	45		Interp.
Greenheck	SQ-95	19.0	15.0	15.0	45	UUT30: 44.5 lbs., UUT45: 65 lbs.	30, 45
"SQ"	SQ-97	19.0	15.0	15.0	53		Interp.
	SQ-98	19.0	15.0	15.0	53		Interp.
Accurex	SQ-99	19.0	15.0	15.0	53		Interp.
"XID"	SQ-100	24.0	17.0	17.0	62		Interp.
	SQ-120	24.0	19.0	19.0	66		Interp.
	SQ-130	24.0	21.0	21.0	68		Interp.
	SQ-130HP	24.0	21.0	21.0	68		Interp.
	SQ-140	25.0	23.0	23.0	101		Interp.
	SQ-140HP	25.0	23.0	23.0	101		Interp.
	SQ-160HP	29.0	26.0	26.0	125		Interp.
	SQ-160	29.0	26.0	26.0	125	UUT8: 125 lbs.	8

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Manufacturer:Greenheck Fan Corporation (Accurex)Model Line:BSQ, XIB

TABLE 3

Certified Product Construction Summary:

Carbon Steel Panels; Heavy-Gauge Carbon Steel Drive Frame; Aluminum Wheel; Inlet and Outlet Duct Collars; Cast Iron Belt Drive Assembly; Disconnect Switch; (2) Removable Access Panels

Certified Options Summary:

Filter Box; Motor Mounted on Top; Inlet and Outlet Guards; Belt Drive Motor Cover and Belt Guard; Insulated Housing; Wiring Pigtail; HP (high pressure wheel)

Fans are also sold under Accurex Brand as "XIB" (replace "BSQ" with "XIB" for model number)

Mounting Configuration:

Base mounted - spring isolated

FORCODECON

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

uilding Code: CBC 2022	I'L	Seismic (Certificatio	on Limits:		1.90 g z/h=1.0 1.90 g z/h=0.0	<i>I</i> _P = 1.5	
Model Line	Model	Dir	mensions	(iń) 3	Weight	Notes	υυτ	
Model Line	Model	Depth	Width	Height	(lbs.)	Notes	001	
	BS <mark>Q-70</mark>	B 57.0/0	ha ^{15,0} na	23.0	168	0	Extrap	
	BS <mark>Q-80</mark>	57.0	17.0	30.0	168		Extrap	
	BS <mark>Q-90</mark>	57.0	17.0	30.0	168		Extrap	
	BSQ-100	57.0	17.0	30.0	171		Extrap	
	BSQ-120	62.0	19.0	32.0	195		Extrap	
	BSQ-130	56.0	21.0	34.0	191		Extrap	
	BSQ-130HP	56.0	21.0	34.0	191		Extrap	
	BSQ-140	62.0	23.0	36.0	232		Extrap	
Greenheck	BSQ-140HP	62.0	23.0	36.0	232		Extrap	
"BSQ"	BSQ-160	62.0	26.0	39.0	345		Extrap	
-	BSQ-160HP	62.0	26.0	39.0	345		Extrap	
	BSQ-180	64.0	27.0	41.0	395		Extrap	
Accurex	BSQ-180HP	64.0	27.0	41.0	395	UUT27: 182 lbs. w/o filter box	27	
"XIB"	BSQ-200	72.0	31.0	47.0	492		Interp	
	BSQ-200HP	72.0	31.0	47.0	492		Interp	
	BSQ-240	75.0	38.0	54.0	624		Interp	
	BSQ-240HP	75.0	38.0	54.0	624		Interp	
	BSQ-300	75.0	46.0	64.0	810		Interp	
	BSQ-300HP	75.0	46.0	64.0	810		Interp	
	BSQ-360	82.0	52.0	70.0	1,008		Interp	
	BSQ-360HP	82.0	52.0	70.0	1,008		Interp	
BSQ-420	BSQ-420	96.0	58.0	76.0	1,236	UUT28: 1,236 w/ filter box	28	

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BSQ, XIB

Certified Product Construction Summary:



TABLE 4

Carbon Steel Panels; Heavy-Gauge Carbon Steel Drive Frame; Aluminum Wheel; Inlet and Outlet Duct Collars; Cast Iron Belt Drive Assembly; Disconnect Switch; (2) Removable Access Panels Filter Box; Motor Mounted on Top & Side; Inlet and Outlet Guards; Belt Drive Motor Cover and Belt Guard; Insulated Housing; Speed Controllers; Extended Lube Lines; Wiring Pigtail; HP (high pressure wheel) Fans are also sold under Accurex Brand as "XIB" (replace "BSQ" with "XIB" for model number) EOR

Ceiling mounted - spring isolated

Mounting Configuration:

Certified Options Summary:

Manufacturer:

Model Line:

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Greenheck Fan Corporation (Accurex)

Building Code: CBC 2022	IF	Seismic C	Certificatio	on Limits:		1.90 g z/h=1.0 1.90 g z/h=0.0	= 1.5
Model Line	Model	Dir	nensions	(iń) 3	Weight	Notes	UUT
Model Elle	Model	Depth	Width	Height	(lbs.)	Notes	001
	BS <mark>Q-70</mark>	B 57.0/0	ha 17.0 na	d 31.0rin	168	UUT31: 74.5 lbs. w/o filter box	31
	BS <mark>Q-80</mark>	57.0	17.0	31.0	168		Interp.
	BS <mark>Q-90</mark>	57.0	17.0	31.0	168		Interp.
	BSQ-100	57.0	17.0	31.0	171 (Interp.
	BSQ-120	62.0	19.0	32.0	195		Interp.
	BSQ-130	56.0	21.0	34.0	191		Interp.
	BSQ-130HP	56.0	21.0	34.0	191		Interp.
	BSQ-140	62.0	23.0	36.0	232		Interp.
Greenheck	BSQ-140HP	62.0	23.0	36.0	232		Interp.
"BSQ"	BSQ-160	62.0	26.0	39.0	345		Interp.
	BSQ-160HP	62.0	26.0	39.0	345		Interp.
	BSQ-180	64.0	27.0	40.0	395		Interp.
Accurex	BSQ-180HP	64.0	27.0	40.0	395		Interp.
"XIB"	BSQ-200	72.0	31.0	47.0	492		Interp.
	BSQ-200HP	72.0	31.0	47.0	492		Interp.
	BSQ-240	75.0	38.0	54.0	624		Interp.
	BSQ-240HP	75.0	38.0	54.0	624		Interp.
	BSQ-300	75.0	46.0	64.0	810		Interp.
	BSQ-300HP	75.0	46.0	64.0	810		Interp.
	BSQ-360	82.0	52.0	70.0	1,008		Interp.
	BSQ-360HP	82.0	52.0	70.0	1,008		Interp.
	BSQ-420	96.0	58.0	76.0	1,236	UUT32: 1,236 lbs. w/ filter box	32

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Greenheck Fan Corporation (Accurex)
RE2, RS2, RCE3, RCS3, RPDR

TABLE 5

Certified Product Construction Summary:

Direct Drive: Construction Levels II & III; Carbon Steel & Aluminum Fan Blades; Type L & H Propellers; Heavy-Guage Carbon Steel Motor Support Frame and Fan Panels; Hinged & Removable Hood; Removable Birdscreen

Certified Options Summary:

Manufacturer:

Model Line:

Tall Base; Safety Guards; Curb Cap Stripping; Insect Screen Base; Extended Lube Lines; Disconnect Switches; End Switches; Gravity Dampers; 1-point wiring

Mounting Configuration:

Base mounted - rigid on Roof Curb up to 42" tall FOR

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022	VIE	Seismic (Certificatio	on Limits:		1.90 g z/h=1.0 1.90 g z/h=0.0	<i>I</i> _P = 1.5	
Model Line	Model	Dir	nensions	(in) 3	Weight	Notes	UUT	
Model Line	Model	Depth	Width	Height	(lbs.)	Notes	001	
	RE <mark>2</mark> -18	B 48.0	h251.0	42.0	250	UUT11: 221 lbs. w/o curb	11	
	RE <mark>2-20</mark>	54.0	51.0	45.0	260		Interp.	
	RE <mark>2-24</mark>	66.0	63.0	47.0	275		Interp.	
RE2	RE2-30	78.0	87.0	52.0	310		Interp.	
KEZ -	RE2-36	94.0	87.0	57.0	525		Interp.	
	RE2-42	93.0	99.0	60.0	750		Interp.	
	RE2-48	112.0	111.0	61.0	1,090		Interp.	
	RE2-54	124.0	123.0	67.0	1,298		Interp.	
	RS2-18	48.0	51.0	41.0	250		Interp.	
	RS2-20	54.0	51.0	45.0	260		Interp.	
	RS2-24	66.0	63.0	47.0	275		Interp.	
DCO	RS2-30	78.0	87.0	52.0	310		Interp.	
RS2 —	RS2-36	94.0	87.0	57.0	525		Interp.	
	RS2-42	93.0	99.0	60.0	750		Interp.	
	RS2-48	112.0	111.0	61.0	1,090		Interp.	
	RS2-54	124.0	123.0	67.0	1,298		Interp.	
	RCS3-20	54.0	51.0	45.0	260		Interp.	
	RCS3-24	66.0	63.0	47.0	275		Interp.	
	RCS3-30	78.0	87.0	52.0	310		Interp.	
RCS3	RCS3-36	94.0	87.0	57.0	525		Interp.	
	RCS3-42	93.0	99.0	60.0	750		Interp.	
	RCS3-48	112.0	111.0	61.0	1,090		Interp.	
	RCS3-54	124.0	123.0	67.0	1,298		Interp.	

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6		
	Manufacturer:	Greenheck Fan Corporation (Accurex)
	Model Line:	RE2, RS2, RCE3, RCS3, RPDR

TABLE 5

Certified Product Construction Summary:

Direct Drive: Construction Levels II & III; Carbon Steel & Aluminum Fan Blades; Type L & H Propellers; Heavy-Guage Carbon Steel Motor Support Frame and Fan Panels; Hinged & Removable Hood; Removable Birdscreen

Certified Options Summary:

Tall Base; Safety Guards; Curb Cap Stripping; Insect Screen Base; Extended Lube Lines; Disconnect Switches; End Switches; Gravity Dampers; 1-point wiring

Mounting Configuration:

Base mounted - rigid on Roof Curb up to 42" tall FOR C Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022	NIF.	Seismic C	ertificatio	on Limits:			z/h=1.0 z/h=0.0	<i>I</i> _P = 1.5
		Dir	nensions	(in) 3	Weight		Notes	υυτ
Model Line	Model	Depth	Width	Height	(lbs.)		Notes	001
	RP <mark>DR-24</mark>	B 66.0	ha63.0	d 47.0rin	275	0		Interp.
	RP <mark>DR-30</mark>	78.0	87.0	52.0	310			Interp.
RPDR	RPDR-36	94.0	87.0	57.0	525			Interp.
	RPDR-42	100.0	99.0	61.0	750			Interp.
	RPDR-48	112.0	111.0	62.0	1,090			Interp.
	RPDR-54	113.0	112.0	67.0	1,298			Interp.
	RCE3-20	54.0	51.0	45.0	260			Interp.
	RCE3-24	66.0	63.0	47.0	275			Interp.
	RCE3-30	78.0	87.0	52.0	310			Interp.
RCE3	RCE3-36	94.0	87.0	57.0	525			Interp.
	RCE3-42	93.0	99.0	60.0	750			Interp.
	RCE3-48	112.0	111.0	61.0	1,090			Interp.
	RCE3-54	112.0	111.0	67.0	1,298	UUT42:	1,525 lbs. w/ 42" curb	42

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Manufacturer:Greenheck Fan Corporation (Accurex)Model Line:RBE, RBS, RBF, RBCE, RBCS, RBCF, RPBR

TABLE 6

Certified Product Construction Summary:

Belt Drive: Construction Levels I, II, & III; Carbon Steel & Aluminum Fan Blades; Type L & H Propellers; Heavy-Guage Carbon Steel Drive Frame and Fan Panels; Aluminum Housing; Hinged & Removable Hood; Removable Birdscreen

Certified Options Summary:

Tall Base; Safety Guards; Aluminum Housing; Curb Cap Stripping; Insect Screen Base; Extended Lube Lines; Disconnect Switches; End Switches; Gravity Dampers; 1-point wiring

FORCODE

Mounting Configuration:

Base mounted - rigid on up to 42" curb

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

uilding Code: CBC 2022	ALL AND	Seismic (Certificatio	on Limits:			z/h=1.0 z/h=0.0	<i>I</i> _P = 1.5
Model Line	Model	Dimensions (in)			Weight	21	Notes	UUT
Model Line	Model	Depth	Width	Height	(lbs.)		Notes	001
	RBE <mark>-1H2</mark> 0	B 54.0	h251.0	45.0	325	0		Interp.
	RBE <mark>-1H24</mark>	66.0	63.0	47.0	375			Interp.
	RBE <mark>-1H30</mark>	78.0	87.0	52.0	425			Interp.
	RBE-1H36	94.0	87.0	57.0	525	\mathbb{N}		Interp.
	RBE-1L20	54.0	51.0	45.0	325	5/		Interp.
	RBE-1L24	66.0	63.0	47.0	350			Interp.
	RBE-1L30	78.0	87.0	52.0	375			Interp.
	RBE-1L36	94.0	87.0	57.0	525			Interp.
	RBE-2H20	54.0	51.0	45.0	350			Interp.
	RBE-2H24	66.0	63.0	47.0	410			Interp.
	RBE-2H30	78.0	87.0	52.0	498			Interp.
	RBE-2H36	94.0	87.0	57.0	625			Interp.
RBE —	RBE-2H42	93.0	99.0	60.0	725			Interp.
	RBE-2H48	112.0	111.0	61.0	860			Interp.
	RBE-2H54	124.0	123.0	67.0	1,025			Interp.
	RBE-2H60	136.0	135.0	68.0	1,180			Interp.
	RBE-2L20	54.0	51.0	45.0	350			Interp.
	RBE-2L24	66.0	63.0	47.0	410			Interp.
	RBE-2L30	78.0	87.0	52.0	498			Interp.
	RBE-2L36	94.0	87.0	57.0	625			Interp.
	RBE-3H24	66.0	63.0	47.0	450			Interp.
	RBE-3H30	78.0	87.0	52.0	510			Interp.
	RBE-3H36	94.0	87.0	57.0	630			Interp.
	RBE-3H42	93.0	99.0	60.0	740			Interp.

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TRU PROJECT NO. 1900532, Rev. 1

Manufacturer:Greenheck Fan Corporation (Accurex)Model Line:RBE, RBS, RBF, RBCE, RBCS, RBCF, RPBR

TABLE 6

Certified Product Construction Summary:

Belt Drive: Construction Levels I, II, & III; Carbon Steel & Aluminum Fan Blades; Type L & H Propellers; Heavy-Guage Carbon Steel Drive Frame and Fan Panels; Aluminum Housing; Hinged & Removable Hood; Removable Birdscreen

Certified Options Summary:

Tall Base; Safety Guards; Aluminum Housing; Curb Cap Stripping; Insect Screen Base; Extended Lube Lines; Disconnect Switches; End Switches; Gravity Dampers; 1-point wiring

FORCODE

Mounting Configuration:

Base mounted - rigid on up to 42" curb

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022	NIL.	Seismic (Certificatio	on Limits:		1.90 g z/h=1.0 / p= 1.90 g z/h=0.0	= 1.5
Model Line	Model	Di	Dimensions (in)			Notes	UUT
Model Line	Model	Depth	Width	Height	(lbs.)	Notes	001
	RBE <mark>-3H4</mark> 8	B 112.0	h a111.0 ha	61.0rin	875	0	Interp.
	RBE <mark>-3H5</mark> 4	124.0	123.0	67.0	1,150		Interp.
	RBE <mark>-3H60</mark>	136.0	135.0	68.0	1,194		Interp.
	RBE-3H72	136.0	147.0	71.0	1,216		Interp.
	RBE-3L24	66.0	63.0	47.0	450		Interp.
RBE	RBE-3L30	78.0	87.0	52.0	510		Interp.
KDE	RBE-3L36	94.0	87.0	57.0	630		Interp.
	RBE-3L42	93.0	99.0	60.0	740		Interp.
	RBE-3L48	112.0	111.0	61.0	875		Interp.
	RBE-3L54	124.0	123.0	67.0	1,150		Interp.
	RBE-3L60	136.0	135.0	68.0	1,194		Interp.
	RBE-3L72	136.0	136.0	53.0	1,216	UUT14: 1,365 lbs. w/ 24" curb	14
	RBS-1H20	54.0	51.0	45.0	325		Interp.
	RBS-1H24	66.0	63.0	47.0	375		Interp.
	RBS-1H30	78.0	87.0	52.0	425		Interp.
	RBS-1H36	94.0	87.0	57.0	525		Interp.
	RBS-1L20	54.0	51.0	45.0	325		Interp.
RBS	RBS-1L24	66.0	63.0	47.0	350		Interp.
KBS	RBS-1L30	75.0	75.0	52.0	375	UUT40: 420 lbs. w/ 12" curb	40
	RBS-1L36	94.0	87.0	57.0	525		Interp.
	RBS-2H20	54.0	51.0	45.0	350		Interp.
	RBS-2H24	66.0	63.0	47.0	410		Interp.
	RBS-2H30	78.0	87.0	52.0	498		Interp.
	RBS-2H36	94.0	87.0	57.0	625		Interp.

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TRU PROJECT NO. 1900532, Rev. 1

Manufacturer:Greenheck Fan Corporation (Accurex)Model Line:RBE, RBS, RBF, RBCE, RBCS, RBCF, RPBR

TABLE 6

Certified Product Construction Summary:

Belt Drive: Construction Levels I, II, & III; Carbon Steel & Aluminum Fan Blades; Type L & H Propellers; Heavy-Guage Carbon Steel Drive Frame and Fan Panels; Aluminum Housing; Hinged & Removable Hood; Removable Birdscreen

Certified Options Summary:

Tall Base; Safety Guards; Aluminum Housing; Curb Cap Stripping; Insect Screen Base; Extended Lube Lines; Disconnect Switches; End Switches; Gravity Dampers; 1-point wiring

FORCODE

Mounting Configuration:

Base mounted - rigid on up to 42" curb

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

uilding Code: CBC 2022	VIE	Seismic (Certificatio	on Limits:			z/h=1.0 z/h=0.0	<i>I</i> _P = 1.5
Model Line	Model	Dir	Dimensions (in)			21	Notos	UUT
Model Line	Model	Depth	Width	Height	(lbs.)		Notes	001
	RB <mark>S-2H4</mark> 2	B 93.0	99.0	60.0	725			Interp.
	RBS <mark>-2H4</mark> 8	112.0	111.0	61.0	860			Interp.
	RBS <mark>-2H54</mark>	124.0	123.0	67.0	1,025			Interp.
	RBS-2H60	136.0	135.0	68.0	1,194			Interp.
	RBS-2L20	54.0	51.0	45.0	350			Interp.
	RBS-2L24	66.0	63.0	47.0	410			Interp.
	RBS-2L30	78.0	87.0	52.0	498			Interp.
	RBS-2L36	94.0	87.0	57.0	625			Interp.
	RBS-3H24	66.0	63.0	47.0	450			Interp.
	RBS-3H30	78.0	87.0	52.0	510			Interp.
	RBS-3H36	94.0	87.0	57.0	630			Interp.
	RBS-3H42	93.0	99.0	60.0	740			Interp.
RBS —	RBS-3H48	112.0	111.0	61.0	875			Interp.
	RBS-3H54	124.0	123.0	67.0	1,150			Interp.
	RBS-3H60	136.0	135.0	68.0	1,194			Interp.
	RBS-3H72	136.0	147.0	71.0	1,216			Interp.
	RBS-3L24	66.0	63.0	47.0	450			Interp.
	RBS-3L30	78.0	87.0	52.0	510			Interp.
	RBS-3L36	94.0	87.0	57.0	630			Interp.
	RBS-3L42	93.0	99.0	60.0	740			Interp.
	RBS-3L48	112.0	111.0	61.0	875			Interp.
	RBS-3L54	124.0	123.0	67.0	1,150			Interp.
	RBS-3L60	136.0	135.0	68.0	1,194			Interp.
	RBS-3L72	136.0	147.0	71.0	1,216			Interp.

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Manufacturer:Greenheck Fan Corporation (Accurex)Model Line:RBE, RBS, RBF, RBCE, RBCS, RBCF, RPBR

TABLE 6

Certified Product Construction Summary:

Belt Drive: Construction Levels I, II, & III; Carbon Steel & Aluminum Fan Blades; Type L & H Propellers; Heavy-Guage Carbon Steel Drive Frame and Fan Panels; Aluminum Housing; Hinged & Removable Hood; Removable Birdscreen

Certified Options Summary:

Tall Base; Safety Guards; Aluminum Housing; Curb Cap Stripping; Insect Screen Base; Extended Lube Lines; Disconnect Switches; End Switches; Gravity Dampers; 1-point wiring

FORCODE

Mounting Configuration:

Base mounted - rigid on up to 42" curb

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

uilding Code: CBC 2022	THE A	Seismic C	Certificatio	on Limits:			z/h=1.0 z/h=0.0	I _P = 1.5
Model Line	Model	Dimensions (in)			Weight		Notes	UUT
Model Lille	Model	Depth	Width	Height	(lbs.)		Notes	001
	RBF <mark>-1H2</mark> 0	B 51.0	ha 59.0 na	27.0 in	425	0		Interp.
	RBF <mark>-1H24</mark>	66.0	63.0	47.0	450			Interp.
	RBF <mark>-1H30</mark>	78.0	87.0	52.0	525			Interp.
	RBF-1H36	94.0	87.0	57.0	675	UUT36:	835 lbs. w/ 42" curb	36
	RBF-1L20	54.0	51.0	45.0	425			Interp.
	RBF-1L24	66.0	63.0	47.0	450			Interp.
	RBF-1L30	78.0	87.0	52.0	525			Interp.
	RBF-1L36	94.0	87.0	57.0	675			Interp.
	RBF-2H20	54.0	51.0	45.0	425			Interp.
	RBF-2H24	66.0	63.0	47.0	450			Interp.
	RBF-2H30	78.0	87.0	52.0	525			Interp.
	RBF-2H36	94.0	87.0	57.0	675			Interp.
RBF —	RBF-2H42	93.0	99.0	60.0	825			Interp.
	RBF-2H48	112.0	111.0	61.0	910			Interp.
	RBF-2H54	124.0	123.0	67.0	1,160			Interp.
	RBF-2H60	136.0	135.0	68.0	1,194			Interp
	RBF-2L20	54.0	51.0	45.0	425			Interp
	RBF-2L24	66.0	63.0	47.0	450			Interp
	RBF-2L30	78.0	87.0	52.0	525			Interp.
	RBF-2L36	94.0	87.0	57.0	675	UUT35:	835 lbs. w/ 42" curb	35
	RBF-3H24	66.0	63.0	47.0	425			Interp
	RBF-3H30	78.0	87.0	52.0	525			Interp
	RBF-3H36	94.0	87.0	57.0	675			Interp
	RBF-3H42	93.0	99.0	60.0	825			Interp

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TRU PROJECT NO. 1900532, Rev. 1

Manufacturer:Greenheck Fan Corporation (Accurex)Model Line:RBE, RBS, RBF, RBCE, RBCS, RBCF, RPBR

TABLE 6

Certified Product Construction Summary:

Belt Drive: Construction Levels I, II, & III; Carbon Steel & Aluminum Fan Blades; Type L & H Propellers; Heavy-Guage Carbon Steel Drive Frame and Fan Panels; Aluminum Housing; Hinged & Removable Hood; Removable Birdscreen

Certified Options Summary:

Tall Base; Safety Guards; Aluminum Housing; Curb Cap Stripping; Insect Screen Base; Extended Lube Lines; Disconnect Switches; End Switches; Gravity Dampers; 1-point wiring

FORCODE

Mounting Configuration:

Base mounted - rigid on up to 42" curb

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022	VIE	Seismic (Certificatio	on Limits:		· · · ·	z/h=1.0 z/h=0.0	<i>I</i> _P = 1.5
Model Line	Model	Dii	Dimensions (in)				Notes	UUT
Model Line	Model	Depth	Width	Height	(lbs.)		Notes	001
	RBF <mark>-3H4</mark> 8	B 112.0	h 111.0	61.0	875	0		Interp.
	RBF <mark>-3H5</mark> 4	124.0	123.0	67.0	1,150			Interp.
	RBF <mark>-3H60</mark>	136.0	135.0	68.0	1,194			Interp.
	RBF-3H72	136.0	147.0	71.0	1,216			Interp.
	RBF-3L24	66.0	63.0	47.0	425			Interp.
RBF	RBF-3L30	78.0	87.0	52.0	525			Interp.
KBF —	RBF-3L36	94.0	87.0	57.0	675			Interp.
	RBF-3L42	93.0	99.0	60.0	825			Interp.
	RBF-3L48	112.0	111.0	61.0	875			Interp.
	RBF-3L54	124.0	123.0	67.0	1,150			Interp.
	RBF-3L60	136.0	135.0	68.0	1,194			Interp.
	RBF-3L72	136.0	147.0	71.0	1,216			Interp.
	RBCE-3H24	66.0	63.0	47.0	425			Interp.
	RBCE-3H30	78.0	87.0	52.0	525			Interp.
	RBCE-3H36	94.0	87.0	57.0	675			Interp.
	RBCE-3H42	93.0	99.0	60.0	825			Interp.
RBCE —	RBCE-3H48	112.0	111.0	61.0	875			Interp
	RBCE-3H54	124.0	123.0	67.0	1,150			Interp
	RBCE-3H60	136.0	135.0	68.0	1,194			Interp
	RBCE-3H72	136.0	147.0	71.0	1,216			Interp

TRU PROJECT NO. 1900532, Rev. 1

Manufacturer:Greenheck Fan Corporation (Accurex)Model Line:RBE, RBS, RBF, RBCE, RBCS, RBCF, RPBR

TABLE 6

Certified Product Construction Summary:

Belt Drive: Construction Levels I, II, & III; Carbon Steel & Aluminum Fan Blades; Type L & H Propellers; Heavy-Guage Carbon Steel Drive Frame and Fan Panels; Aluminum Housing; Hinged & Removable Hood; Removable Birdscreen

Certified Options Summary:

Tall Base; Safety Guards; Aluminum Housing; Curb Cap Stripping; Insect Screen Base; Extended Lube Lines; Disconnect Switches; End Switches; Gravity Dampers; 1-point wiring

FORCODE

Mounting Configuration:

Base mounted - rigid on up to 42" curb

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022	ALL AND	Seismic (Certificatio	on Limits:			z/h=1.0 z/h=0.0	I _P = 1.5
Model Line	Model	Dimensions (in)			Weight		Notes	UUT
Model Line	Model	Depth	Width	Height	(lbs.)		NOLES	001
	RBC <mark>S-3H2</mark> 4	B 66.0	ha63.0	d 47.0rin	425	0		Interp.
	RBC <mark>S-3H3</mark> 0	78.0	87.0	52.0	525			Interp.
	RBC <mark>S-3H36</mark>	94.0	87.0	57.0	675			Interp.
RBCS	RBCS-3H42	93.0	99.0	60.0	825			Interp.
KDUS	RBCS-3H48	112.0	111.0	61.0	875	3/		Interp.
	RBCS-3H54	124.0	123.0	67.0	1,150			Interp.
	RBCS-3H60	136.0	135.0	68.0	1,194			Interp.
	RBCS-3H72	136.0	147.0	71.0	1,216			Interp.
	RPBR-24	66.0	63.0	47.0	425			Interp.
	RPBR-30	78.0	87.0	52.0	525			Interp.
	RPBR-36	94.0	87.0	57.0	675			Interp.
	RPBR-42	93.0	99.0	60.0	825			Interp.
RPBR —	RPBR-48	112.0	111.0	61.0	875			Interp.
	RPBR-54	124.0	123.0	67.0	1,150			Interp.
	RPBR-60	136.0	135.0	68.0	1,194			Interp.
	RPBR-72	136.0	147.0	71.0	1,216			Interp.
	RBCF-3H24	66.0	63.0	47.0	425			Interp.
	RBCF-3H30	78.0	87.0	52.0	525			Interp.
	RBCF-3H36	94.0	87.0	57.0	675			Interp.
	RBCF-3H42	93.0	99.0	60.0	825			Interp.
RBCF	RBCF-3H48	112.0	111.0	61.0	875			Interp.
	RBCF-3H54	124.0	123.0	67.0	1,150			Interp.
	RBCF-3H60	136.0	135.0	68.0	1,194			Interp.
	RBCF-3H72	136.0	147.0	71.0	1,216	UUT34:	1,512 lbs. w/ 42" curb	34

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Manufacturer:Greenheck Fan Corporation (Accurex)Model Line:RBUMO

TABLE 7

Certified Product Construction Summary:

Belt Drive; Construction Levels I, II, & III; Carbon Steel & Aluminum Fan Blades; Type L & H Propellers; Heavy-Gauge Carbon Steel Construction; Curb Cap; Drive Frame; Removable Windband; Removable Motor Cover

Certified Options Summary:

Inlet & Outlet Guard; Aluminum & Steel Gravity Dampers; Steel Butterfly Dampers; Fusible Link & Motorized Damper Lifters; Disconnect Switches

FORCODE

Mounting Configuration:

Base mounted - rigid on up to 42" curb

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

uilding Code: CBC 2022	VIE	Seismic (Certificatio	on Limits:		1.90 g z/h=1.0 1.90 g z/h=0.0	P= 1.5
Model Line	Model	Dimensions (in) 3			Weight	Notes	UUT
Model Line	Model	Depth	Width	Height	(lbs.)	Notes	001
	RBUM <mark>O-1H</mark> 20	B 30.0	ha 46.0 na	d 44.0rin	285	0	Interp.
	RBUM <mark>O-1H</mark> 24	34.0	50.0	46.0	321		Interp.
	RBUM <mark>O-1H3</mark> 0	40.0	56.0	52.0	364		Interp.
	RBUMO-1H36	46.0	64.0	60.0	424		Interp.
	RBUMO-1L20	30.0	46.0	44.0	285		Interp.
	RBUMO-1L24	34.0	50.0	46.0	321		Interp.
	RBUMO-1L30	40.0	56.0	52.0	364		Interp.
	RBUMO-1L36	46.0	64.0	60.0	414		Interp.
	RBUMO-2H20	30.0	46.0	44.0	297		Interp.
	RBUMO-2H24	34.0	50.0	46.0	338		Interp.
	RBUMO-2H30	40.0	56.0	52.0	396		Interp.
	RBUMO-2H36	46.0	64.0	60.0	426		Interp.
RBUMO	RBUMO-2H42	52.0	70.0	65.0	443		Interp.
	RBUMO-2H48	58.0	76.0	69.0	432		Interp.
	RBUMO-2H54	66.0	66.0	76.0	575	UUT33: 812 lbs. w/ 42" curb	33
	RBUMO-2L20	30.0	46.0	44.0	297		Interp.
	RBUMO-2L24	34.0	50.0	46.0	338		Interp.
	RBUMO-2L30	40.0	56.0	52.0	396		Interp.
	RBUMO-2L36	46.0	64.0	60.0	426		Interp.
	RBUMO-2L42	52.0	70.0	65.0	443		Interp.
	RBUMO-2L48	58.0	76.0	69.0	432		Interp.
	RBUMO-3H24	34.0	50.0	46.0	343		Interp.
	RBUMO-3H30	40.0	56.0	52.0	451		Interp.
	RBUMO-3H36	46.0	64.0	60.0	547		Interp.

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RBUMO



Manufacturer: Greenheck Fan Corporation (Accurex)

TABLE 7

Certified Product Construction Summary:

Belt Drive; Construction Levels I, II, & III; Carbon Steel & Aluminum Fan Blades; Type L & H Propellers; Heavy-Gauge Carbon Steel Construction; Curb Cap; Drive Frame; Removable Windband; Removable Motor Cover

FORC

Certified Options Summary:

Model Line:

Inlet & Outlet Guard; Aluminum & Steel Gravity Dampers; Steel Butterfly Dampers; Fusible Link & Motorized Damper Lifters; Disconnect Switches

Mounting Configuration:

Base mounted - rigid on up to 42" curb

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

uilding Code: CBC 2022	ding Code: CBC 2022		Seismic Certification Limits:			1.90 g z/h=1.0 1.90 g z/h=0.0	<i>I</i> _P = 1.5	
Model Line	Model	Dimensions (in)			Weight	Notes	UUT	
Model Line	Model	Depth	Width	Height	(lbs.)	Notes	001	
	RBUM <mark>O-3H</mark> 42	52.0 ₀	ha 70.0 na	65.0	630	0	Interp	
	RBUM <mark>O-3H</mark> 48	58.0	76.0	69.0	657		Interp	
	RBUM <mark>O-3H5</mark> 4	66.0	82.0	76.0	684		Interp	
	RBUMO-3H60	72.0	89.0	80.0	804		Interp	
	RBUMO-3L24	34.0	50.0	46.0	343		Interp	
RBUMO	RBUMO-3L30	40.0	56.0	52.0	451		Interp	
	RBUMO-3L36	46.0	64.0	60.0	547		Interp	
	RBUMO-3L42	52.0	70.0	65.0	630		Interp	
	RBUMO-3L48	58.0	76.0	69.0	657		Interp	
	RBUMO-3L54	66.0	82.0	76.0	684		Interp	
	RBUMO-3L60	72.0	102.0	75.0	804	UUT16: 954 lbs. w/ 42" curb	16	

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Manufacturer: Greenheck Fan Corporation (Accurex) **TABLE 8** Model Line: SQ, XID, BSQ, XIB, R Hooded Props, RBUMO, RSF, XRS, RSFP **Certified Product Construction Summary:** Steel Wheel; Vibration Isolators Support Drive Assembly; Belt Drive; Quick Release Hood Cover Latches RSF: Removable Carbon Steel Hood Cover; Heavy Hauge Carbon Steel Sides RSFP: Aluminum Hinged Hood Cover; Heavy Gauge Extruded Aluminum Louvers **Certified Options Summary:** Aluminum Filters; Disconnect Switches Fans are also sold under Accurex Brand as "XRS" (replace "RSF" with "XRS" for model number) Mounting Configuration: Base mounted - rigid on up to 42" curb Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested. $S_{DS} = 1.90 g z/h=1.0$ Building Code, CBC 2022

Building Code: CBC 2022	No.	Seismic C	ertificatio	on Limits:		I_{p} : 1.90 g z/h=0.0	<i>I</i> _P = 1.5	
Model Line	Model	Dir	nensions	(in) 3	Weight		UUT	
Model Line	Model	Depth	Width	Height	(lbs.)	Notes	001	
	RSF-90	35.0/0	h_35.0	28.0 in	122	UUT17: 162 lbs. w/ 14" curb	17	
Greenheck "RSF"	RSF-100	42.0	42.0	28.0	205		Interp.	
"RSF"	RSF-120	48.0	48.0	28.0	250		Interp.	
Accurex	RSF-150	54.0	54.0	32.0	575		Interp.	
"XRS"	RSF-180	62.0	62.0	35.0	725		Interp.	
	RSF-200	73.0	73.0	40.0	822	UUT43: 1,006 lbs. w/ 42" curb	43	
	RSFP-90	32.0	32.0	26.0	160		Interp.	
	RSFP-100	36.0	36.0	28.0	225		Interp.	
RSFP	RSFP-120	40.0	40.0	30.0	310		Interp.	
KSFP	RSFP-150	46.0	46.0	34.0	369		Interp.	
	RSFP-180	52.0	52.0	36.0	406		Interp.	
	RSFP-200	58.0	58.0	42.0	452	UUT18: 558 lbs. w/ 24" curb	18	

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Manufacturer: Model Line:	Greenheck Fan Corporatio SQ, XID, BSQ, XIB	on (Accurex) Table De	escription: Fan Wheels (Base Mounted - Iso	lated)	TABLE 10.1
Building Code: CBC 2022		Seismic Certificati	Fon Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$	$I_{P} = 1.5$	
Component Type	Manufacturer	Model FO	CODE Description	No	otes UUT
	•	60	Composite, Backward Curved		Interp.
		70	Composite, Backward Curved		Interp.
		80	Composite, Backward Curved		Interp.
		90	Composite, Backward Curved		Interp.
		95	Composite, Backward Curved		44
			Riveted Al., Backward Curved		Interp.
		65	Riveted Al., Backward Curved		Interp.
			Riveted Al., Backward Curved		Interp.
		75 DAT	Riveted Al., Backward Curved		Interp.
		80	Riveted Al., Backward Curved		Interp.
		85	Riveted Al., Backward Curved		Interp.
Fan Wheels	Greenheck	90	Riveted Al., Backward Curved		Interp.
		95	Riveted Al., Backward Curved		25
		97	Welded Al., Backward Inclined		Interp.
		98	Welded Al., Backward Inclined		Interp.
		99	Welded Al., Backward Inclined		Interp.
		100	Welded Al., Backward Inclined		Interp.
		120	Welded Al., Backward Inclined		Interp.
		130	Welded Al., Backward Inclined		Interp.
		130HP	Welded Al., Backward Inclined		Interp.
		140	Welded Al., Backward Inclined		Interp.
		140HP	Welded Al., Backward Inclined		Interp.
		160	Welded Al., Backward Inclined		Interp.

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Manufacturer: Model Line:	Greenheck Fan Corporatic SQ, XID, BSQ, XIB	on (Accurex) Table	Description: Fan Wheels (Base Mounted - Iso	blated)	TABLE 10.1
Building Code: CBC 20		Seismic Certific	ation Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$	I _P = 1.5	
Component Type	Manufacturer	Model	OR CODE Description	Notes	s UUT
		160HP	Welded Al., Backward Inclined		26
		180	Riveted Al., Backward Inclined		Interp
		180HP	Riveted Al., Backward Inclined		27
		200	Riveted Al., Backward Inclined		Interp
		200HP	Riveted Al., Backward Inclined		Interp
Fan Wheels	Greenheck	240 BY	Riveted Al., Backward Inclined		Interp
Fan wheels	Greenneck	240HP	Riveted Al., Backward Inclined		Interp
		300	Riveted Al., Backward Inclined		Interp
		300HP	Riveted Al., Backward Inclined		Interp
		360	Riveted Al., Backward Inclined		Interp
		360HP	Riveted Al., Backward Inclined		Interp
		420	Riveted Al., Backward Inclined		28
		VIA	BUILDING		

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Manufacturer: Model Line:	Greenheck Fan Corporatio SQ, XID, BSQ, XIB	on (Accurex) Tab	<i>le Description:</i> Fan Wheels (Ceiling Mounted	- Isolated)	TABLE 10.2
Building Code: CBC 2022		Seismic Certil	Fication Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$	I _P = 1.5	
Component Type	Manufacturer	Model	CODE Description	Not	tes UUT
		60	Composite, Backward Curved		Extrap.
		70	Composite, Backward Curved		Extrap.
		80	Composite, Backward Curved		Extrap.
		90	Composite, Backward Curved		Extrap.
		95	Composite, Backward Curved		45
		60 BY	• Riveted Al., Backward Curved		29
		65	Riveted Al., Backward Curved		Interp.
		70	Riveted Al., Backward Curved		31
		-75 DF	Riveted Al., Backward Curved		Interp.
		80	Riveted Al., Backward Curved		Interp.
		85	Riveted Al., Backward Curved		Interp.
Fan Wheels	Greenheck	90	Riveted Al., Backward Curved		Interp.
		95	Riveted Al., Backward Curved		30
		180	Riveted Al., Backward Inclined		Interp.
		180HP	Riveted Al., Backward Inclined		Interp.
		200	Riveted Al., Backward Inclined		Interp.
		200HP	Riveted Al., Backward Inclined		Interp.
		240	Riveted Al., Backward Inclined		Interp.
		240HP	Riveted Al., Backward Inclined		Interp.
		300	Riveted Al., Backward Inclined		Interp.
		300HP	Riveted Al., Backward Inclined		Interp.
		360	Riveted Al., Backward Inclined		Interp.
		360HP	Riveted Al., Backward Inclined		Interp.

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Manufacturer: Model Line:	Greenheck Fan Corporatio SQ, XID, BSQ, XIB	on (Accurex) Tab	le Description: Fan Wheels (Ceiling Mounted -	Isolated)	TABLE 10.2
Building Code: CBC 2	022	Seismic Certification Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$		I _P = 1.5	
Component Type	Manufacturer	Model	OR CODE Description	Note	s UUT
		420	Riveted Al., Backward Inclined		32
		97	Welded Al., Backward Inclined		Interp
		98	Welded Al., Backward Inclined		Interp
		99	Welded Al., Backward Inclined		Interp
		100	Welded Al., Backward Inclined		Interp
Fan Wheels	Greenheck	120 BY	Welded Al., Backward Inclined		Interp
Fall Wheels		130	Welded Al., Backward Inclined		Interp
		130HP	Welded Al., Backward Inclined		Interp
			Welded Al., Backward Inclined		Interp
		140HP	Welded Al., Backward Inclined		Interp
		160HP	Welded Al., Backward Inclined		Interp
		160	Welded Al., Backward Inclined		8
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Manufacturer: Model Line:	Greenheck Fan Corporati R & RBUMO	on (Accurex) Table De	escription: Fan Propellers (Curb Mounted	(৮	TABLE 11
Building Code: CBC 20)22	Seismic Certificati	ion Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$	I _P = 1.5	
Component Type	Manufacturer	Model	CODE Description	Not	es UUT
		20" SBR	CS; Straight Blade, Riveted, No Gussets	4.5 lbs.	Interp.
		24" SBR	CS; Straight Blade, Riveted, No Gussets	4.9 lbs.	Interp.
		30" SBR	CS; Straight Blade, Riveted, No Gussets	9 lbs.	Interp.
		36" SBR	CS; Straight Blade, Riveted, No Gussets	11 lbs.	36
		20" CBR	CS; Curved Blade, Riveted, No Gussets	5 lbs.	Interp.
		24" CBR BV·M	CS; Curved Blade, Riveted, No Gussets	7.5 lbs.	Interp.
		30" CBR	CS; Curved Blade, Riveted, No Gussets	9.5 lbs.	40
		36" CBR	CS; Curved Blade, Riveted, No Gussets	14 lbs.	Interp.
		36" SBR-G	CS; Straight Blade, Riveted with Gussets	15.5 lbs.	Interp.
		42" SBR-G	CS; Straight Blade, Riveted with Gussets	28 lbs.	Interp.
		48" SBR-G	CS; Straight Blade, Riveted with Gussets	35 lbs.	Interp.
Carbon Steel	Greenheck	54" SBR-G	CS; Straight Blade, Riveted with Gussets	46 lbs.	33
Fan Propellers		30" CBR-G	CS; Curved Blade, Riveted with Gussets	14 lbs.	Interp.
		36" CBR-G	CS; Curved Blade, Riveted with Gussets	20 lbs.	35
		42" CBR-G	CS; Curved Blade, Riveted with Gussets	35 lbs.	Interp.
		48" CBR-G	CS; Curved Blade, Riveted with Gussets	46 lbs.	Interp.
		24" CBW-G	CS; Curved Blade, Welded with Gussets	10.5 lbs.	Interp.
		30" CBW-G	CS; Curved Blade, Welded with Gussets	17 lbs.	Interp.
		36" CBW-G	CS; Curved Blade, Welded with Gussets	25 lbs.	Interp.
		42" CBW-G	CS; Curved Blade, Welded with Gussets	40 lbs.	Interp.
		48" CBW-G	CS; Curved Blade, Welded with Gussets	56 lbs.	Interp.
		54" CBW-G	CS; Curved Blade, Welded with Gussets	71.5 lbs.	Interp.
		60" CBW-G	CS; Curved Blade, Welded with Gussets	126 lbs.	16

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Manufacturer: Model Line:	Greenheck Fan Corporati R & RBUMO	on (Accurex) Table I	Description: Fan Propellers (Curb Mounter	d)	TABLE 11
Building Code: CBC 2	022	Seismic Certification Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$ $I_{P} = 1.5$		l _P = 1.5	
Component Type	Manufacturer	Model	R CODE Description	Note	s UUT
		18" SBW-G	CS; Straight Blade, Welded with Gussets	6 lbs.	11
		20" SBW-G	CS; Straight Blade, Welded with Gussets	6.5 lbs.	Interp
		24 <mark>" SBW</mark> -G	CS; Straight Blade, Welded with Gussets	9 lbs.	Interp
		30" SBW-G	CS; Straight Blade, Welded with Gussets	13.5 lbs.	Interp
Carbon Steel	Cusarkask	36" SBW-G	CS; Straight Blade, Welded with Gussets	20.5 lbs.	Interp
Fan Propellers	Greenheck	42" SBW-GRV·	CS; Straight Blade, Welded with Gussets	35 lbs.	Interp
		48" SBW-G	CS; Straight Blade, Welded with Gussets	46 lbs.	Interp
		54" SBW-G	CS; Straight Blade, Welded with Gussets	61 lbs.	Interp
		60" SBW-G	CS; Straight Blade, Welded with Gussets	98 lbs.	Interp
		72" SBW-G	CS; Straight Blade, Welded with Gussets	120 lbs.	14
		20" Cast Al.	Aluminum Airfoil Blade	5 lbs.	Interp
		24" Cast Al.	Aluminum Airfoil Blade	7 lbs.	Interp
		30" Cast Al.	Aluminum Airfoil Blade	7.5 lbs.	Interp
		36" Cast Al.	Aluminum Airfoil Blade	8 lbs.	Interp
Cast Aluminum Fan Propellers	Greenheck	42" Cast Al.	Aluminum Airfoil Blade	11.5 lbs.	Interp
FairPropetters		48" Cast Al.	Aluminum Airfoil Blade	12 lbs.	Interp
		54" Cast Al.	Aluminum Airfoil Blade	57.5 lbs.	42
		60" Cast Al.	Aluminum Airfoil Blade	82 lbs.	Interp
		72" Cast Al.	Aluminum Airfoil Blade	91 lbs.	34

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Manufacturer: Model Line:	Greenheck Fan Corporati RSF, XRS, RSFP	ion (Accurex) Table	Description: Fan Wheels (Curb Mounted)		TABLE	12
Building Code: CBC 20	22	Seismic Certification Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$		l _P = 1.5		
Component Type	Manufacturer	Model	R CODE Description	No	tes	UUT
		9.5" Steel	Forward Curved Carbon Steel Blade			17
		10.62" Steel	Forward Curved Carbon Steel Blade			Interp.
		12.72" Steel	Forward Curved Carbon Steel Blade			Interp.
Fan Wheels	LAU	15" Steel	Forward Curved Carbon Steel Blade			Interp.
		18.54" Steel	Forward Curved Carbon Steel Blade			Interp.
		20.50" Steel	Forward Curved Carbon Steel Blade			18, 43
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Manufacturer: Model Line:	Greenheck Fan Corpora SQ, XID, BSQ, XIB	tion (Accurex) Table De	escription: Filters & Filter Boxes (Base Mou	inted - Isolated)	TABLE 13.1
Building Code: CBC 2022		Seismic Certificati	ion Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$	<i>I_P</i> = 1.5	
Component Type	Manufacturer	Model	CODE Description	Ne	otes UUT
		Fan Size 70 - 90	Carbon Steel		Interp.
		Fan Size 100	Carbon Steel		Interp.
		Fan Size 120	Carbon Steel		Interp.
		Fan Size 130 - 130HP	Carbon Steel 13		Interp.
		Fan <mark>Size 1</mark> 40 - 140HP	Carbon Steel		Interp.
Filter Box	Current	Fan <mark>Size 1</mark> 60 - 1 <mark>60HP • 1</mark> /	Carbon Steel Karim		Interp.
(BSQ)	Greenheck	Fan <mark>Size 1</mark> 80 - 180HP	Carbon Steel		Interp.
		Fan <mark>Size 2</mark> 00 - 200HP	Carbon Steel		Interp.
		Fan Si <mark>ze 2</mark> 40 - 240HP	Carbon Steel		Interp.
		Fan Size 300 - 300HP	Carbon Steel		Interp.
		Fan Size 360 - 360HP	Carbon Steel		Interp.
		Fan Size 420	Carbon Steel		28
		10 x 12, Al. 1"	Aluminum		Interp.
		10 x 12, Al. 2"	Aluminum		Interp.
		12 x 25, Al. 1"	Aluminum		Interp.
		12 x 25, Al. 2"	Aluminum		Interp.
		14 x 25, Al. 1"	Aluminum		Interp.
Filters	Research Products	14 x 25, Al. 2"	Aluminum		Interp.
		16 x 20, Al. 1"	Aluminum		Interp.
		16 x 20, Al. 2"	Aluminum		Interp.
		16 x 25, Al. 1"	Aluminum		Interp.
		16 x 25, Al. 2"	Aluminum		Interp.
		20 x 20, Al. 1"	Aluminum		Interp.

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Manufacturer: Model Line:	Greenheck Fan Corporati SQ, XID, BSQ, XIB	on (Accurex) Table D	escription: Filters & Filter Boxes (Base Mour	nted - Isolated)	TABLE 13.1
Building Code: CBC 2022		Seismic Certificat	ion Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$	<i>I_P</i> = 1.5	
Component Type	Manufacturer	Model	R CODE Description	N	otes UUT
		20 x 20, Al. 2"	Aluminum		Interp.
	Research Products	20 x 25, Al. 1"	Aluminum 🛆 📔		Interp.
		20 x 25, Al. 2"	Aluminum		28
		10 x 12, Paper 1"	Paper-0113		Interp.
		10 x 12, Paper 2"	Paper		Interp.
		12 x 25, Paper 1"////	Paper mad Karim		Interp
	Airguard Products	1 <mark>2 x 25</mark> , Paper 2"	Paper		Interp
		14 x 25, Paper 1"	Paper / 05/2025		Interp
Filters		14 x 25, Paper 2"	Paper		Interp
		16 x <mark>20, Pap</mark> er 1"	Paper 4		Interp
		16 x 20 <mark>, Paper</mark> 2"	Paper		Interp
		16 x 25, Paper 1"	Paper		Interp
		16 x 25, Paper 2"	Paper		Interp
		20 x 20, Paper 1"	Paper_DI		Interp
		20 x 20, Paper 2"	Paper		Interp
		20 x 25, Paper 1"	Paper		Interp
		20 x 25, Paper 2"	Paper		28

TRU COMPLIANCE

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Manufacturer: Model Line:	Greenheck Fan Corpora SQ, XID, BSQ, XIB	tion (Accurex) Table De	escription: Filters & Filter Boxes (Ceiling Mo	ounted - Isolated)	TABLE 13.2
Building Code: CBC 2022		Seismic Certificati	Fon Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$	I _P = 1.5	
Component Type	Manufacturer	Model FO	R CODE Description	No	otes UUT
		Fan Size 70 - 90	Carbon Steel		Interp.
		Fan Size 100	Carbon Steel		Interp
		Fan Size 120	Carbon Steel		Interp
		Fan Size 130 - 130HP	Carbon Steel 13		Interp
		Fan <mark>Size 1</mark> 40 - 140HP	Carbon Steel		Interp
Filter Box	Greenheck	Fan <mark>Size 1</mark> 60 - 1 <mark>60HP • M</mark>	Carbon Steel		Interp
(BSQ)	Greenneck	Fan <mark>Size 1</mark> 80 - 1 <mark>80HP</mark>	Carbon Steel		Interp
		Fan <mark>Size 2</mark> 00 - 200HP	Carbon Steel		Interp
		Fan Size 240 - 240HP	Carbon Steel		Interp
		Fan Size <u>300 -</u> 300HP	Carbon Steel		Interp
		Fan Size 360 - 360HP	Carbon Steel		Interp
		Fan Size 420	Carbon Steel		32
		10 x 12, Al. 1	Aluminum		Interp
		10 x 12, Al. 2"	Aluminum		Interp
		12 x 25, Al. 1"	Aluminum		Interp
		12 x 25, Al. 2"	Aluminum		Interp
		14 x 25, Al. 1"	Aluminum		Interp
Filters	Research Products	14 x 25, Al. 2"	Aluminum		Interp
		16 x 20, Al. 1"	Aluminum		Interp
		16 x 20, Al. 2"	Aluminum		Interp
		16 x 25, Al. 1"	Aluminum		Interp
		16 x 25, Al. 2"	Aluminum		Interp
		20 x 20, Al. 1"	Aluminum		Interp.



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Manufacturer: Model Line:	Greenheck Fan Corporati SQ, XID, BSQ, XIB	ion (Accurex) Table De	escription: Filters & Filter Boxes (Ceiling Mo	ounted - Isolated)	TABLE 13.2	
Building Code: CBC 2022		Seismic Certificati	Son Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$	I _P = 1.5		
Component Type	Manufacturer	Model	R CODE Description	No	otes UUT	
		20 x 20, Al. 2"	Aluminum		Interp	
	Research Products	20 x 25, Al. 1"	Aluminum		Interp	
		20 <mark>x 25, Al</mark> . 2"	Aluminum		32	
		10 x 12, Paper 1"	Paper - 0113		Interp	
		10 x 12, Paper 2"	Paper		Interp	
		12 x 25, Paper 1" 🗸 • 📈	Papernmad Karim		Interp	
		12 x 25, Paper 2"	Paper		Interp	
		14 x 25, Paper 1"	Paper		Interp	
Filters		14 x <mark>25,</mark> Paper 2"	Paper 2023		Interp	
		16 x <mark>20, Pap</mark> er 1"	Paper +		Interp	
	Airguard Products	16 x 20, Paper 2"	Paper		Interp	
		16 x 25, Paper 1"	Paper		Interp	
		16 x 25, Paper 2"	Paper		Interp	
		20 x 20, Paper 1"	Paper_DING		Interp	
		20 x 20, Paper 2"	Paper		Interp	
		20 x 25, Paper 1"	Paper		Interp	
		20 x 25, Paper 2"	Paper		32	

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	Greenheck Fan Corporatio SQ, XID, BSQ, XIB, R Hoode		e Description: Motors (Base Mounted - Isolated) XRS, RSFP		TABLE 14.1
Building Code: CBC 2022		Seismic Certification Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$ $I_P = 1.5$		I _P = 1.5	
Component Type	Manufacturer	Model	OR CODE Description	Notes	s UUT
		NED	1/30 HP, 115V - 460V		Extrap
		L.	1/10 HP, 115V - 460V		Extrap
		S'	1/8 HP, 115V - 460V		25
		48/56	1/3 HP, 115V - 460V		Interp
		48/56	1/2 HP, 115V - 460V		Interp
		BY	3/4 HP, 115V-460V		Interp
Motors	Baldor		1 HP, 115V - 460V		27
			1.5 HP, 115V - 460V		Interp
		143T DA	2 HP, 115V - 460V		26
		145T	3 HP, 115V - 460V		Interp
		182T	5 HP, 115V - 460V		Interp
		184T	7.5 HP, 115V - 460V		Interp
		213T	10 HP, 115V - 460V		28
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Manufacturer: Model Line:	Greenheck Fan Corporatio SQ, XID, BSQ, XIB, R Hood		le Description: Motors (Curb Mounted) , XRS, RSFP		TABLE 14.2
Building Code: CBC 20.	22	Seismic Certil	fication Limits: $S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$	l _P = 1.5	
Component Type	Manufacturer	Model	FOR CODE Description	Note	s UUT
		NED	1/30 HP, 115V - 460V		Extrap
		J. J.	1/10 HP, 115V - 460V		Extrap
		S.	1/8 HP, 115V - 460V		Extrap
		48/56	1/3 HP, 115V - 460V		Extrap
		46/56	1/2 HP, 115V - 460V		Extrap
		BY	3/4 HP, 115V-460V		Extrap
			1 HP, 115V - 460V		40
Motors	Baldor		1.5 HP, 115V - 460V		Interp
		_143T	2 HP, 115V - 460V		Interp
		145T	3 HP, 115V - 460V		35
		182T	5 HP, 115V - 460V		36
		184T	7.5 HP, 115V - 460V		Interp
		213T	10 HP, 115V - 460V		Interp
		215T	15 HP, 115V - 460V		Interp
		254T	20 HP, 115V - 460V		34

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	Greenheck Fan Corporatio SQ, XID, BSQ, XIB, R Hood		<i>le Description:</i> Motors (Ceiling Mounted - Isolated) , XRS, RSFP		TABLE 14.3	
Building Code: CBC 202	2	Seismic Certif	ication Limits: $S_{DS} = 1.90 g$ $z/h = 1.0$ $S_{DS} = 1.90 g$ $z/h = 0.0$	I _P = 1.5		
Component Type	Manufacturer	Model	OR CODE Description	Notes	UUT	
		JED	1/30 HP, 115V - 460V		30	
		4	1/10 HP, 115V - 460V		29	
		S'	1/8 HP, 115V - 460V		Interp	
		48/56	1/3 HP, 115V - 460V		Interp	
		40/00	1/2 HP, 115V - 460V		Interp	
		BY	3/4 HP, 115V-460V		31	
Motors	Baldor		1 HP, 115V - 460V		Interp	
	_			1.5 HP, 115V - 460V		Interp
		_143T	2 HP, 115V - 460V		Interp	
		145T	3 HP, 115V - 460V		Interp	
		182T	5 HP, 115V - 460V		Interp	
		184T	7.5 HP, 115V - 460V		Interp	
		213T	10 HP, 115V - 460V		32	
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Manufacturer:	Greenheck Fan Corporati	on (Accurex) Table	Description: Dampers (Curb Mounted)		TABLE 15
Model Line:	R, RBUMO				TABLE 15
Building Code: CBC 20	022	Seismic Certification Limits: S _{DS} = 1.90 g z/h = 1.0 S _{DS} = 1.90 g z/h = 0.0		$I_{P} = 1.5$	
Component Type	Manufacturer	Model	RCODE Description	No	tes UUT
		BD-100 Gravity	CS Frame, Al. Blade		Extrap
		WD-100 Gravity	CS Frame, Al. Blade		42
De el dueft De maren	Greenheck	WD-100 Electric	CS Frame, Al. Blade		Interp
Backdraft Damper	Greenneck	WD-200 Electric	CS Frame, Al. Blade		35, 36
		VCD-20 Electric	CS Frame, CS Blade		40
		VCD-23 Electric V	CS Frame, CS Blade with Seals		34
	Carachard	Aluminum			33
Butterfly Dampers	Greenheck	Steel			16
Butterfly Damper	Greenheck	Fusible Link	Spring loaded arms with fusible link		33
Lifters	Honeywell	M6194	Motorized Actuator		33
		MP - 100A			42
Deserved	Schneider Electric	MP - 210	115 VAC Actuated		35, 36
Damper Acuator		MS8104F1010	24 VAC Actuated		40
	Honeywell	MS4120F1006	460 VAC Actuated with 115 VAC Transformer		34

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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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Manufacturer: Model Line:	Greenheck Fan Corporati SQ, XID, BSQ, XIB, R Hood	ion (Accurex) Table ded Props, RBUMO, RSF, X	Description: Misc (Curb Mounted) CRS, RSFP		TABLE 16.2
Building Code: CBC 20		Seismic Certific	$S_{ab} = 1.90 a z/b = 1.0$	<i>I_P</i> = 1.5	
Component Type	Manufacturer	Model	OR CODE Description	No	otes UUT
		3A	NEMA - 1		Extrap.
		42			Extrap.
	Square-D	TA	NEMA - 3R		34, 36
Disconnect Switches	Square-D	4	QSP-0113		Interp.
Disconnect Switches		30A	NEMA - 4		35, 36, 43
		30A BY:	MNEMA-12nad Karim		40
	ABB	30A	NEMA - 4/4R		42
	ADD	30A	NEMA-12		34
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		PAL			
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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

TRU PROJECT NO. 1900532, Rev. 1



	Greenheck Fan Corporatio SQ, XID, BSQ, XIB, R Hood	on (Accurex) Table Description ed Props, RBUMO, RSF, XRS, RSFP	: Misc (Ceiling Mounted - Isolated)	TABLE 16.3
Building Code: CBC 202		Seismic Certification Limits	$S_{DS} = 1.90 g z/h = 1.0$ $S_{DS} = 1.90 g z/h = 0.0$	l _P = 1.5	
Component Type	Manufacturer	Model FOR CO	DE Description	Not	tes UUT
Drive	Vari-Green	208/230V OSP- BY: Mohamr DATE: 05/	0113 nad Karim 05/2025		

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TRU PROJECT NO. 1900532, Rev. 1

Manui	facturer: Greenheck Fan Corpo	oration (Accurex)						
Model	Line: SQ, XID, BSQ, XIB, R I	looded Props, RBU	MO, RSF, XRS, RSF	P				
UUT	Unit Description (mounting)	Report Number (UUT#)	Testing Lab	Year Tested	ISO 17025 Accredited?	S _{DS}	z/h	I _P
8	SQ-160-A (ceiling mounted - isolated)	3298 (UUT08)	ANCO Engineers, Inc.	2010	Yes	1.9	1.0	1.5
11	RE2-18-421-A7 (base mounted - rigid)	3298 (UUT11)	ANCO Engineers, Inc.	2010	Yes	1.9	1.0	1.5
14	RBE-3L72-150 (base mounted - rigid)	3298 (UUT14)	ANCO Engineers, Inc.	2010	Yes	1.9	1.0	1.5
16	RBUMO-3L60-100 (base mounted - rigid)	3298 (UUT16)	ANCO Engineers, Inc.	2010	Yes	1.9	1.0	1.5
17	RSF-90-10 (base mounted - rigid)	3298 (UUT17)	ANCO Engineers,	2010 N	Yes	1.9	1.0	1.5
18	RSFP-200-75 (base mounted - rigid)	3298 (UUT18)	ANCO Engineers,	2010	Yes	1.9	1.0	1.5
25	SQ-95-D (base mounted - isolated)	14238, Rev. 2 (UUT25)	Environmental Testing Laboratory (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
26	SQ-160HP-VG (base mounted - isolated)	14238, Rev. 2 (UUT26)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
27	BSQ-180HP-10 (base mounted - isolated)	14238, Rev. 2 (UUT27)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
28	BSQ-420-100 (base mounted - isolated)	14238, Rev. 2 (UUT28)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
29	SQ-60-VG (ceiling mounted - isolated)	14238, Rev. 2 (UUT29)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
30	SQ-95-E (ceiling mounted - isolated)	14238, Rev. 2 (UUT30)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5

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ine: SQ, XID, BSQ, XIB, R H Unit Description		MO, RSF, XRS, RSF	-P				
-	Domost Number						
(mounting)	Report Number (UUT#)	Testing Lab	Year Tested	ISO 17025 Accredited?	S _{DS}	z/h	I _P
BSQ-70-7 (ceiling mounted - isolated)	14238, Rev. 2 (UUT31)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
BSQ-420-100 (ceiling mounted - isolated)	14238, Rev. 2 (UUT32)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
RBUMO-2H54-50 (base mounted - rigid)	14238, Rev. 2 (UUT33)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
RBCF-3H72-200 (base mounted - rigid)	14238, Rev. 2 (UUT34)	Environmental Testing -Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
RBF-2L36-30 (base mounted - rigid)	14238, Rev. 2 (UUT35) Oha	Environmental Testing Lab (ETL)	<mark>n 2</mark> 016	Yes	2.0 3.2	1.0 0.0	1.5
RBF-1H36-30 (base mounted - rigid)	14238, Rev. 2 (UUT36)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
RBS-1L30-10 (base mounted - rigid)	14238, Rev. 2 (UUT40)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
RCE3-54-323-C75 (base mounted - rigid)	14238, Rev. 2 (UUT42)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
RSF-200-100 (base mounted - rigid)	14238, Rev. 2 (UUT43)	Environmental Testing Lab (ETL)	2016	Yes	2.0 3.2	1.0 0.0	1.5
SQ-95-D (base mounted - isolated)	15332, Rev. 1 (UUT44)	Environmental Testing Lab (ETL)	2019	Yes	2.0 3.2	1.0 0.0	1.5
SQ-95-D (ceiling mounted - isolated)	15332, Rev. 1 (UUT45)	Environmental Testing Lab (ETL)	2019	Yes	2.0 3.2	1.0 0.0	1.5
	(ceiling mounted - isolated) BSQ-420-100 (ceiling mounted - isolated) RBUMO-2H54-50 (base mounted - rigid) RBCF-3H72-200 (base mounted - rigid) RBF-2L36-30 (base mounted - rigid) RBF-1H36-30 (base mounted - rigid) RBS-1L30-10 (base mounted - rigid) RCE3-54-323-C75 (base mounted - rigid) RSF-200-100 (base mounted - rigid) SQ-95-D (base mounted - isolated)	(ceiling mounted - isolated) (UUT31) BSQ-420-100 14238, Rev. 2 (ceiling mounted - isolated) 14238, Rev. 2 (ceiling mounted - rigid) 14238, Rev. 2 RBUMO-2H54-50 14238, Rev. 2 (base mounted - rigid) 14238, Rev. 1 (base mounted - isolated) (UUT44)	BSQ-70-7 (ceiling mounted - isolated)14238, Rev. 2 (UUT31)Testing Lab (ETL)BSQ-420-100 (ceiling mounted - isolated)14238, Rev. 2 (UUT32)Environmental Testing Lab (ETL)RBUMO-2H54-50 (base mounted - rigid)14238, Rev. 2 (UUT33)Environmental Testing Lab (ETL)RBCF-3H72-200 (base mounted - rigid)14238, Rev. 2 (UUT34)Environmental Testing Lab (ETL)RBF-2L36-30 (base mounted - rigid)14238, Rev. 2 (UUT35)Environmental Testing Lab (ETL)RBF-1H36-30 (base mounted - rigid)14238, Rev. 2 (UUT35)Environmental Testing Lab (ETL)RBS-1L30-10 (base mounted - rigid)14238, Rev. 2 (UUT40)Environmental Testing Lab (ETL)RCE3-54-323-C75 (base mounted - rigid)14238, Rev. 2 (UUT40)Environmental Testing Lab (ETL)RSF-200-100 (base mounted - rigid)14238, Rev. 2 (UUT42)Environmental Testing Lab (ETL)RSF-200-100 (base mounted - rigid)14238, Rev. 2 (UUT42)Environmental Testing Lab (ETL)SQ-95-D (base mounted - isolated)15332, Rev. 1 (UUT44)Environmental Testing Lab (ETL)SQ-95-D (base mounted - isolated)15332, Rev. 1 (UUT44)Environmental Testing Lab (ETL)	BSQ-70-7 (ceiling mounted - isolated)14238, Rev. 2 (UUT31)Testing Lab (ETL)2016BSQ-420-100 (ceiling mounted - isolated)14238, Rev. 2 (UUT32)Environmental Testing Lab (ETL)2016RBUMO-2H54-50 (base mounted - rigid)14238, Rev. 2 (UUT33)Environmental Testing Lab (ETL)2016RBCF-3H72-200 (base mounted - rigid)14238, Rev. 2 (UUT34)Environmental Testing Lab (ETL)2016RBF-2L36-30 (base mounted - rigid)14238, Rev. 2 (UUT34)Environmental Testing Lab (ETL)2016RBF-1H36-30 (base mounted - rigid)14238, Rev. 2 (UUT36)Environmental Testing Lab (ETL)2016RBS-1L30-10 (base mounted - rigid)14238, Rev. 2 (UUT40)Environmental Testing Lab (ETL)2016RCE3-54-323-C75 (base mounted - rigid)14238, Rev. 2 (UUT42)Environmental Testing Lab (ETL)2016RSF-200-100 (base mounted - rigid)14238, Rev. 2 (UUT42)Environmental Testing Lab (ETL)2016RSF-200-100 (base mounted - rigid)14238, Rev. 2 (UUT43)Environmental Testing Lab (ETL)2016SQ-95-D (base mounted - isolated)15332, Rev. 1 (UUT44)Environmental Testing Lab (ETL)2019SQ-95-D (creiling mounted - isolated)15332, Rev. 1 (UUT44)Environmental Testing Lab (ETL)2019	BSQ-70-7 (ceiling mounted - isolated)14238, Rev. 2 (UUT31)Testing Lab (ETL)2016YesBSQ-420-100 (ceiling mounted - isolated)14238, Rev. 2 (UUT32)Environmental Testing Lab (ETL)2016YesRBUMO-2H54-50 (base mounted - rigid)14238, Rev. 2 (UUT33)Environmental Testing Lab (ETL)2016YesRBCF-3H72-200 (base mounted - rigid)14238, Rev. 2 (UUT34)Environmental Testing Lab (ETL)2016YesRBF-2L36-30 (base mounted - rigid)14238, Rev. 2 (UUT36)Environmental Testing Lab (ETL)2016YesRBF-1H36-30 (base mounted - rigid)14238, Rev. 2 (UUT36)Environmental Testing Lab (ETL)2016YesRBF-1H36-30 (base mounted - rigid)14238, Rev. 2 (UUT36)Environmental Testing Lab (ETL)2016YesRBF-1H36-30 (base mounted - rigid)14238, Rev. 2 (UUT36)Environmental Testing Lab (ETL)2016YesRBS-1L30-10 (base mounted - rigid)14238, Rev. 2 (UUT40)Environmental Testing Lab (ETL)2016YesRSF-200-100 (base mounted - rigid)14238, Rev. 2 (UUT43)Environmental Testing Lab (ETL)2016YesSQ-95-D (base mounted - isolated)15332, Rev. 1 (UUT44)Environmental Testing Lab (ETL)2019YesSQ-95-D (reiling mounted - isolated)15332, Rev. 1 (UUT44)Environmental Testing Lab (ETL)2019Yes	BSQ-70-7 (ceiling mounted - isolated) 14238, Rev. 2 (UUT31) Testing Lab (ETL) 2016 Yes 2.0 3.2 BSQ-420-100 (ceiling mounted - isolated) 14238, Rev. 2 (UUT32) Environmental Testing Lab (ETL) 2016 Yes 2.0 3.2 RBUMO-2H54-50 (base mounted - rigid) 14238, Rev. 2 (UUT33) Environmental Testing Lab (ETL) 2016 Yes 2.0 3.2 RBCF-3H72-200 (base mounted - rigid) 14238, Rev. 2 (UUT34) Environmental Testing Lab (ETL) 2016 Yes 2.0 3.2 RBF-2L36-30 (base mounted - rigid) 14238, Rev. 2 (UUT36) Environmental Testing Lab (ETL) 2016 Yes 2.0 3.2 RBF-1H36-30 (base mounted - rigid) 14238, Rev. 2 (UUT36) Environmental Testing Lab (ETL) 2016 Yes 2.0 3.2 RBS-1L30-10 (base mounted - rigid) 14238, Rev. 2 (UUT42) Environmental Testing Lab (ETL) 2016 Yes 2.0 3.2 RSF-200-100 (base mounted - rigid) 14238, Rev. 2 (UUT42) Environmental Testing Lab (ETL) 2016 Yes 2.0 3.2 SQ-95-D (base mounted - isolated) 15332, Rev. 1 (UUT44) Environmental Testing Lab (ETL) 2019 Yes 2.0 3.2	$\begin{array}{c ccelling mounted - isolated) & 14238, Rev. 2 (UUT31) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT32) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT32) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT32) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT33) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT34) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT34) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT36) & Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT36) & Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT36) & Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT36) & Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT42) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 14238, Rev. 2 (UUT43) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 15332, Rev. 1 (UUT43) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 15332, Rev. 1 (UUT43) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 15332, Rev. 1 (UUT43) & Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ ccelling mounted - isolated) & 15332, Rev. 1 & Environmental Testing Lab (ETL) & 2016 & Yes & 2.0 & 1.0 \\ \hline \begin{tabular}{ celling mounted - isolated) & 15332, Rev. 1$

Notes:

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Manufacturer:	Greenhee	ck Fan Corpo	oration (Accurex)							
Model Line:	SQ							L	JUT	8
Model Number:	SQ-160-A	1								
Serial Number:	N/A				Test Re	port:	3298 (U	UT08)		
			UUT	Properties						
Weight			Dimension (in)			Lowes	t Natural	Frequer	ncy (Hz)	
(lbs.)		Depth	Width	Height	Front	-Back	Side	-Side	Ver	tical
125		26.0	26.0	28.0	Ν	/A	N	/A	N	/A
			-	d Seismic Run Inf	formatio	n				
Building Code	e	Test	Criteria	S _{DS} (g)	z/h	Ι _Ρ	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022			SAC156 OR C	1.90	1.0	1.5	3.04	2.28	1.27	0.51
		ICC ² L.		1.90-0	0.0	1.5	5.04	2.20	1.71	0.31
Product Constructi Carbon Steel Housir		-	E	Test Mounting	Details:					
Bolted Access Panel	0				YZ	2				
Boited Access Panel	is. Integral D	uct connect	ion Flanges.		727	5				
		R	USP	-0113		m				
Options/Subcompo	onent Sumn	narv:	BY: Mohar							
Description		P	DI, Monar		10	1				
3 HP Motor						1	A			-
NEMA 1 Toggle Swit	ch		DAIL: 0							
								J.		
					1	1		NAT.		
					- H.		100			
					18		1			
			BUI				1.1			
				10 million		1				
					-			13-		
						_				
				-						
				-						
				-						
				4						
				-						
				UUT8 was ceiling	mounter	l - isolate	ed using fo	our (4) 1/4	4" Ø A307	7
				threaded rods, fo			-			
				Ø diag. steel cabl						
				Unit maintained s						ber
				manufacturer req					tents we	re
				included in testin	g per ope	erating co	onditions			

TRU PROJECT NO. 1900532, Rev. 1



Manufacturer:	Greenh	eck Fan Corpo	oration (Accurex)							
Model Line:	RE2							U	UT 1	l1
Model Number:	RE2-18-	-421-A7						_		
Serial Number:	N/A				Test Re	port:	3298 (U	UT11)		
			זטט	Properties						
Weight			Dimension (in)			Lowes	t Natura	l Frequency (Hz)		
(lbs.) ¹		Depth	Width	Height ²	Front	t-Back	Side	-Side	Ver	tical
221		48.0	51.0	42.3	8	9.1	10).8	1	1.3
		UU	IT Highest Passe	d Seismic Run Inf	formatic	on				
Building Cod	le	Test	Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022			SAC156 OR C	001.90	1.0	1.5	3.04	2.28	1.27	0.51
CDC 2022		ICC-L.	JACI30	1.90-0	0.0	1.5	5.04	2.20	1.21	0.51
Product Construct	ion Summ	ary:	E	Test Mounting	Details:					
Welded Carbon Stee	el Wheel	E Star								
		,S			427	2				
		REULE	OSF	P_0113				and the second	0.000	
							dimension in the		-	
Options/Subcomp	onent Sum	ıma <mark>ry:</mark>	BY Mohar		-				10	
Description								1	La Mali	7
3/4 HP Motor								1	10.00	1
Tall Base			DATE. V						1.10	1
NEMA 1 Toggle Swit	tch			Contra la					9	
			ANN BARRAN					_		
			P	5			1.10	1		
			AD					15	Sec. 1	
			BUI	- 4			*		Cont.	2
				and the second second				1		
							. :/	F	-	
							- P	2	14	8
				× . 4	12.00			100		8
				A DE DE	-	_	- H			
					100	-	-11		1.0	
				-						
				1						
Test Mounting Deta	ails:			1						
				UUT11 was base i	mounted	- rigid o	n GPI-28-0	G12 12" ro	of curb	using
¹ Weight include		-		1/4" ungraded sh	eet meta					
² Height include	s curb hei	ght.		flange of the curb						
				Unit maintained s		-				
				manufacturer req					itents we	ere
				included in testin	g per ope	erating c	onditions	•		

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Manufacturer:	Green	heck Fan Corp	oration (Accurex)							
Model Line:	RBE							U	UT 1	L 4
Model Number:	RBE-31	L72-150								
Serial Number:	N/A				Test Re	port:	3298 (U	UT14)		
			זטט	Properties						
Weight			Dimension (in)			Lowes	st Natura	Freque	ncy (Hz)	
(lbs.) ¹		Depth	Width	Height ²	Front	-Back	Side	-Side	Ver	tical
1,365		136.0	135.5	74.0	5	.8	7	.6	5	.9
		UL	IT Highest Passe	d Seismic Run Ini	formatic	on 🛛				
Building Cod	e	Test	Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022			SAC156 RC	001.90	1.0	1.5	3.04	2.28	1.27	0.51
CDC 2022			5 AC130	1.90 0	0.0	1.5	5.04	2.20	1.21	0.51
Product Constructi	ion Sumn	nary:	E	Test Mounting I	Details:					
Welded Carbon Stee	el Wheel. V	Wire Mesh Bird	screen.							
Adjustable Motor Pl	ate. Adjus	table Motor Pu	ulley.			2				
Fan Shaft Pulley. Sta	atic Free E	Belts. 🗸	OSE	2-0113						
		A M				m				
Options/Subcompo	onent Sur	nmarv:	DV · Mahar	nmad Karim						
Description								and the	10	
15 HP Motor			00000000000000000000000000000000000000		Contraction of the local division of the loc		1 14	THE T		
NEMA 3R Toggle Sw	uitch		DATE: 0						and a	
NEMA SK TOggle SW	11011	Z								
				1468		-				1
									-	
			P	-	e ¹	2				
			ADU		1				-	£.
			· DUI	The Local Division of	1			1.	2	a construction of the second s
				Strenth.	-				4. 5	
				-						
				-						
				-						
				-						
				_						
				-						
				1						
Test Mounting Deta	ails:							6 2425"	6	
¹ Weight include	es curh w	eight		UUT14 was base		-				-
² Height include		-		1/4" ungraded sh flange of the curb		i screws	011 TO CG	nters in ti		e or the
		.0		Unit maintained		l integrit	ty and rom	ained fur	nctional	her
				manufacturer rec		-				
				included in testin	-				itents we	i e

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Manufacturer:	Greenhe	ck Fan Corpo	ration (Accurex)							
Model Line:	RBUMO							U	UT 1	L6
Model Number:	RBUMO-	3L60-100							-	-
Serial Number:	N/A				Test Re	port:	3298 (U	UT16)		
			זטט	Properties						
Weight			Dimension (in)			Lowes	t Natural	Freque	ncy (Hz)	
(lbs.) ¹		Depth	Width	Height ²	Front	-Back	Side	-Side	Ver	tical
954		72.1	102.0	92.5	6	.6	6	.0	8	.1
		UU	T Highest Passe	d Seismic Run Inf	formatio	n				
Building Cod	e	Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022			AC156 OR C	001.90	1.0	1.5	3.04	2.28	1.27	0.51
CDC 2022		ICC-LC	AC130	1.90	0.0	1.5	5.04	2.20	1,21	0.51
Product Constructi		-		Test Mounting	Details:	•				-
Welded Carbon Stee										
Motor Cover. Belt Tu						2				_
Adjustable Motor Pla			- 001		100		-			
Static Free Belts. Co	nstruction I	Lev <mark>el III. S</mark> tee	Damper.	1			1	Mark	39	
Options/Subcompo	onent Sumr	mary:	BY Mohar				1	100	18	
Description						12./		1.66	26.1	
10 HP Motor										1
Damper lifters with	165 F fusibl	e links	DAIE: 0	5		100		1.15	1.3	6
High Temp Rating					- 80	100				-
NEMA 3R Toggle Sw	itch				-		100			
			O. WARR	20	1	100	100			0
				-		1	100			6
			BUT	- 1		6	100			
					600C	10	1000	2.1		4
				-			-	-		
				3					19.0	
				2			-			
				and the second second	-		-		a second	10
									10.0	
				_						
				-						
Test Mounting Deta	ails:			1						
1144.1.1.1.1.1				UUT16 was base i		-				-
¹ Weight include		-		1/4" ungraded sh		l screws	on 16" ce	nters in th	ne middle	e of the
² Height include	s curb heig	nt.		flange of the curb					,	
				Unit maintained s		-				
				manufacturer req					itents we	ere
				included in testin	g her obe	erating C	UNUTIONS	•		



Manufacturer:	Greenhe	eck Fan Corpo	oration (Accurex)							
Model Line:	RSF							U	UT 1	L7
Model Number:	RSF-90-1	10								
Serial Number:	N/A				Test Re	port:	3298 (U	UT17)		
			דטט	Properties						
Weight			Dimension (in)			Lowes	t Natura	Freque	ncy (Hz)	
(lbs.) ¹		Depth	Width	Height ²	Fron	t-Back	Side	-Side	Ver	tical
162		34.6	34.6	39.5	6	5.4	6	.6	11	1.8
		UU	T Highest Passe	d Seismic Run Ini	formatio	on 🛛				
Building Cod	le	Test C	Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022			AC156 RC	1.90	1.0	1.5	3.04	2.28	1.27	0.51
CBC 2022		ICC-L.	SACI30	1.90-0	0.0	1.5	3.04	2.20	1.21	0.51
Product Construct	ion Summa	ry:		Test Mounting	Details:					
Carbon Steel Wheel			· · · · · · · · · · · · · · · · · · ·							
Adjustable Motor Pl	ate. Static F	ree Belts.			427	2				
		2	OSI	1410	1		0-	and the second	10 m	
				3 manual and	-				10.00	
Options/Subcomp	onent Sumi	ma <mark>ry:</mark>	BY Mohar	n	*					
Description										
1 HP Motor			DATE: 0							le le
1" Washable Filters			DATE. V					-	-	
NEMA 1 Toggle Swit	tch							-		
			ANNINNIN .							
			P. MIN	-						
			AD	- he					-	-
			BUI		- 4				-	
					-					5
				100						
										1
				a mar					-	
				Y CD	2.3	-	-	-	-	2
					1.2	- Andrew	-	-		
				-						
				-						
				-						
Test Mounting Deta	ails			1						
	מונס.]	UUT17 was base i	mounted	- rigid o	n GPI-26-0	G24 24" ro	oof curb (using
¹ Weight include		-		1/4" ungraded sh		-				-
² Height include	s curb heig	ht.		flange of the curb						
				Unit maintained s		-				
				manufacturer req					itents we	ere
				included in testin	g per op	erating c	onditions	•		



Manufacturer:	Greenh	eck Fan Corp	oration (Accurex)							
Model Line:	RSFP							U	UT 1	L8
Model Number:	RSFP-2	00-75						_		_
Serial Number:	N/A				Test Re	port:	3298 (U	UT18)		
			וטט	Properties						
Weight			Dimension (in)			Lowes	t Natura	l Frequency (Hz)		
(lbs.) ¹		Depth	Width	Height ²	Front	-Back	Side	-Side	Ver	tical
558		58.1	58.1	63.5	5	.6	4	.5	1	3.5
		U	UT Highest Passe	d Seismic Run Inf	ormatic	on				
Building Cod	le	Test	Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	А _{RIG-Н} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022			SAC156	1.90	1.0	1.5	3.04	2.28	1.27	0.51
CDC 2022			JACISO	1.90-0	0.0	1.5	5.04	2.20	1.21	0.51
Product Construct		-	E	Test Mounting D	etails:					
Carbon Steel Wheel	-		ey.							
Adjustable Motor Pl	ate. Static	Free Belts.			42/2					_
		8	OSI	and the BUHLER	(NA.3 BO	A KON	204		5 an 1	
						11				
Options/Subcomp	onent Sum	imary:	BY: Moha	and the second s	-		-	-		
Description				-	-		_	-	-	
7.5 HP Motor			DATE: 0							
1" Washable Filters		Y	DAIL. V		-			-		
			P	-			-			
			ARIT							
			DUI	1000						
										1
									-	
									0	-
									-	
					2	-	/		10	
				_						
				_						
Test Mounting Det	ails:			1						
		1. I. I.		UUT18 was base r						
¹ Weight include		-		1/4" ungraded she		l screws	on 16" ce	nters in t	he middl	e of the
² Height include	s curb hei	gnt.		flange of the curb		into:+		منموط في	otional	
				Unit maintained s manufacturer req		-				
				included in testing					ILEIILS WE	ie
				included in testing	5 PCI 0P	in utiling t	Sharcions	•		



Manufacturer:	Greenheck Fan Col	rporation (Accurex)							
Model Line:	SQ						U	UT 2	25
Model Number:	SQ-95-D							• • •	
Serial Number:	N/A			Test Re	port:	14238, F	Rev. 2 (U	UT25)	
	,	υυτ	Properties						
Weight		Dimension (in)			Lowes	t Natural	al Frequency (Hz)		
(lbs.)	Depth	Width	Height	Front	-Back	Side	-Side	Vertical	
41.5	19.0	15.0	15.0	3	.2	4	.5	6	.3
		UUT Highest Passed	d Seismic Run In	nformatio	n				
Building Code	e Tes	t Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC 2022	100	FG ACTEC OP (2.00	1.0	4 5				
CBC 2022		ESAC156	3.20	0.0	1.5	3.20	2.40	2.13	0.85
Product Construction	on Summary:	(EV	Test Mounting	Details:					
Carbon Steel Housin	g. Backward Inclined	Aluminum Wheel.							
	anels. Integral Duct C			-	and the second		-		
Sleeve Bearing Moto	r. Corrosion Resistan	t Fasteners. OSF	P	-		57	58		
				NP			1		
Options/Subcompo	nent Summa <mark>ry:</mark>	BY : Mohar			•	-2	Canal State		
Description				2 2		-			
NEMA 1 Toggle Swite	ch 🛛	DATE. O		RU					
Junction Box Mount	ed and Wired	DATE: U							
Inlet/Outlet Guard				25	X				
6A Solid State Speed	l Control			23					
Spring Vibration Isol	ators	P							
		ADU			Y				2
		· DUI	~	1		1			
					P.		~		1
			~					No.	
				1			an	-	4
					V		4 4		
						10	2 4 1	-	
								-	
			UUT25 was base					-	
			VMC AMSR-1C-5			-			
			for each isolator two (2) 1/2" Grae				u to the t	est fixutr	eusing
			Unit maintained				ained fur	nctional r	ber
			manufacturer re		-				
			included in testi					-	



Manufacturer:	Greenheck Fan Corpo	oration (Accurex)							
Model Line:	SQ						U	UT 2	26
Model Number:	SQ-160HP-VG							• • •	
Serial Number:	N/A			Test Re	port:	14238, F	Rev. 2 (Ul	UT26)	
		UUT	Properties	-					
Weight		Dimension (in)	-		Lowest	Natural	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front	-Back	Side	-Side	ide Vertical	
111	29.0	26.0	26.0	2.	.8	6	.4	17	7.7
		T Highest Passed	Seismic Run Inf	formatio	n				
Building Code	e Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES	AC156 OR C	3.20	1.0 0.0	1.5	3.20	2.40	2.13	0.85
Product Constructi	on Summary:		Test Mounting	Details:					
Carbon Steel Housin	g. Backward Inclined Al	uminum Wheel.							
Two Bolted Access P	anels. Integral Duct Con	nection Flanges.			-	0			
Options/Subcompo Description	nent Summary:	BY: Mohar				1		- A	
-	0-10 VDC Inp <mark>ut Sig</mark> nal				26	-7		1	1
	<i>Dial on Exterior of Fan Ho</i>	ousing. Mounted			1	5585001		141	
and Wired	1 Alexandre	8,	the second second						
NEMA 1 Toggle Swite	ch 🔰						7	/	
High Pressure (HP) V		P. WIN							
Junction Box Mount	ed and Wired	A Dive							-
Isolators and Bracke	pts	BUI	7	1	- B-		7		
Spring Vibration Isol	ators					~	-	30	1
					V		0		
						100			
			A A A		1			2	
			UUT26 was base i VMC AMSR-1C-10					-	
			for each isolator.			-			
			two (2) 1/2" Grad						
			Unit maintained s				ained fur	nctional p	ber
			manufacturer req					tents we	re
			included in testin	g per ope					



Manufacturer:	Greenheck Fan Corpo	ration (Accurex)							
Model Line:	BSQ						U	UT 2	27
Model Number:	BSQ-180HP-10							• • •	
Serial Number:	N/A			Test Re	port:	14238, F	Rev. 2 (U	UT27)	
	,	UUT	Properties		-				
Weight		Dimension (in)	-		Lowes	t Natural	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front	-Back	Side	-Side	Ver	tical
182	34.0	27.0	41.0	4	.1	3	.3	6	.4
	UU	T Highest Passed	d Seismic Run In	formatio	n				
Building Code	e Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES	ACTEGOR	2.00	1.0	1 5	2 20	2.40	2.12	0.95
CBC 2022	ICC-ES	ACI36	3.20	0.0	1.5	3.20	2.40	2.13	0.85
Product Construction	on Summary:		Test Mounting	Details:					
Carbon Steel Housin	g. Backward Inclined Alu	minum Wheel.							
	anels. Integral D <mark>uct Co</mark> n	nection Flanges.			2				
0	djustable Motor Pulley.	OSF	P-0113		2				
Adjustable Motor Pla					[]]				
	n Ball Bearing <mark>Pillow</mark> Blo	cks. BY: Mohar	- tel	L		DRA	- de		1 and 1
Corrosion Resistant	Fasteners.		a cales		a crin		*Q		3
Options/Subcompo	nent Summary:	DATE. O					T Stalls	1000	
Description		DAIL: 0	661			THO		TIL	
NEMA 1 Toggle Swite	ch					1.42			
Junction Box Mount					-	-	-		L
Motor Cover	9	P. WIN				The second	- and		
Bearings with Grease	e Fittings						-		
-	rs. (L50 avg. life 500,000 h	nrs.) BUI							
				-	* **		5		
			E F	THE		and a		-	-
			. 1. 1	44.					
			4						
			-						
			UUT27 was base	mounted	icolata	d to the t	oct fivtur	o using fo	ur (4)
			VMC AMSR-1C-10					0	
			for each isolator.			-			
			two (2) 1/2" Grac						B
			Unit maintained				ained fu	nctional p	ber
			manufacturer ree	quiremen	t after sh	nake table	test. Cor	ntents we	re
			included in testir	ng per ope	erating c	onditions.			



Manufacturer:	Greenheck Fan Corpo	oration (Accurex)							
Model Line:	BSQ						U	UT 2	28
Model Number:	BSQ-420-100								
Serial Number:	N/A			Test Re	port:	14238, I	Rev. 2 (U	UT28)	
		וטט	T Properties						
Weight		Dimension (in)			Lowes	t Natural	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front	-Back	Side	-Side	Ver	tical
1,236	96.0	58.0	76.0		.2	3	.5	8	.4
		-	d Seismic Run Inf	ormatic	on 🛛				
Building Cod	e Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022		AC156 R	2.00	1.0	1.5	3.20	2.40	2.13	0.85
		inclot	3.20-0	0.0	1.5	5.20	2.10	2.15	0.05
Product Construct	ion Summary:		Test Mounting D	etails:					
Adjustable Motor Pl Fan Shaft Mounted Corrosion Resistant Options/Subcompo Description NEMA Premium Effit NEMA 1 Toggle Swit Junction Box Mount Insulated Housing: . Sloped Filter Box: 2 Isolators and Brack Bearings with Greas	onent Summary: cient Motor cch ted and Wired 1" Thick on Fan Housing " Aluminum and Paper Fi ets	BY: Moha	P-0113	28			28		
			UUT28 was base r MSH-1E-400 isolat each isolator. The (4) 5/8" Grade 8 b Unit maintained s manufacturer req included in testin	tors to th isolator olts for e tructura uiremen	ie unit u s were n ach isola l integrit t after sl	sing one (: nounted to ator. ay and rem nake table	1) 5/8" Gr o the test nained fur test. Cor	ade 8 bol fixutre u nctional p	t for sing four per

TRU PROJECT NO. 1900532, Rev. 1



Manufacturer:	Greenheck Fan Corp	oration (Accurex)							
Model Line:	SQ	· · ·					U		29
Model Number:	SQ-60-VG							• • •	
Serial Number:	N/A			Test Re	port:	14238.	Rev. 2 (U	UT29)	
		υυτ	Properties			,			
Weight		Dimension (in)	-		Lowes	t Natural	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front	-Back	1	-Side		tical
33	15.0	12.0	12.0	N	/A	N	/A	N	/A
		T IT Highest Passed	ı d Seismic Run In				,	ļ	,
Building Cod		Criteria	S _{DS} (g)	z/h	Ι _Ρ	A _{FLX-H} (g)	A _{ріс-н} (g)	A _{FLX-V} (g)	A _{RIG-V} (g
		50	2.00	1.0					
CBC 2022	ICC-E	S AC156	3.20	0.0	1.5	3.20	2.40	2.13	0.85
Product Constructi	on Summary:		Test Mounting	1		ļ	ļ		ļ
	ng. Backward Inclined A	luminum Wheel.							
	Panels. Integral Duct Co			XXX	2				
	or. Corrosion Resistant F	-	-0113						
	R				m				_
Options/Subcompo	onent Summary:	BY Mohar	R and			A	1/		
Description		DT, Monar					XL		
-	r 0-10 VDC Inp <mark>ut Sig</mark> nal	11111111111111111111111111111111111111						W.	
	<i>Dial on Exterior <mark>of Fan H</mark></i>	lousing Mounted							
and Wired		ousing mounted							
NEMA 1 Toggle Swit	ch								
Junction Box Mount					1		4		
	ving Inlet with Motor on	Ton			TTOUL	H			
onde Disentinge. viev		BUI			COMPLIANCE				
					29	A			
				-	-				
					1	IV			
				1000				A. A.	
			-						
			-						
			-						
			UUT29 was ceilin	-		-)7
			threaded rods wi		-				C D
			isolators, and for		w diag	, cable bra	aces with	Mason S	CR-
			0/SCBH-0 clips at Cable was loope		the holt	and re-ru	n hack th	rough the	outsida
			of the clamp to p					i ougii tik	
			Unit maintained			ty and rem	ained fu	nctional	ber
			manufacturer ree		-	-		•	
			included in testir	-					
			TDI	Complia	nco hu	Structura	Intogri	+	

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TRU PROJECT NO. 1900532, Rev. 1



Manufacturer:	Greenhec	k Fan Corpo	oration (Accurex)							
Model Line:	SQ							U	UT 3	30
Model Number:	SQ-95-E									
Serial Number:	N/A				Test Re	port:	14238, I	Rev. 2 (Ul	UT30)	
			UUT	Properties						
Weight			Dimension (in)			Lowes	t Natura	Freque	ncy (Hz)	
(lbs.)		Depth	Width	Height	Front	-Back	Side	-Side	Ver	tical
45		19.0	15.0	15.0	Ν	/A	N	/A	N	/A
		UU	T Highest Passed	d Seismic Run Inf	ormatio	n				
Building Code	e	Test C	Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022			AC156 RC	2.00	1.0	1.5	3.20	2.40	2.13	0.85
CDC 2022		ICC-L	SAC130	3.20	0.0	1.5	5.20	2.40	2.15	0.85
Product Constructi	on Summar	y:		Test Mounting D	etails:					
Carbon Steel Housin	g. Backward	I Inclined Al	uminum Wheel.							
Two Bolted Access P	0		U		4 Y	2				
Sleeve Bearing Moto	r. Corrosion	Resistant F	asteners. OSF	P-0113		2				
Options/Subcompo	nent Summ	ary:	BY Mohar					1-		
Description						Contraction of the local division of the loc			-	
NEMA 1 Toggle Swite	ch		DATE. A					4	V	
Junction Box Mount	ed and Wire	d 🤤	DATE: U			9 P.J	N N/			
6A Solid State Speed	d Control				\mathcal{M}			-7/		-1
			ALLANDAR D						-	
			P			TRU			1 1	
			ADU			30				6
			· BUI			1				0
						-+			DE	
				777		B		12		
				-						
				-						
				UUT30 was ceiling	mounte	d - isola	tod using	four (A) 3	/8" Ø A30)7
				threaded rods wit	-		-			
				isolators, and fou		-				CB-
				0/SCBH-0 clips at		Ũ				
				Cable was looped			and re-ru	n back th	rough the	e outside
				of the clamp to pr		•••				
				Unit maintained s		-				
				manufacturer req					tents we	re
				included in testin	g her obe	erating C	onutions	•		

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TRU PROJECT NO. 1900532, Rev. 1



Manufacturer:	Greenheck Fan Corpo	ration (Accurex)							
Model Line:	, BSQ						U	UT 3	81
Model Number:	BSQ-70-7						Ŭ	0.0	
Serial Number:	N/A			Test Re	port:	14238, F	Rev. 2 (Ul	UT31)	
	,	זטט	Properties			,	,	,	
Weight		Dimension (in)	-		Lowes	t Natural	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front	-Back	Side	Side	Ver	tical
75	27.0	17.0	31.0	N	/A	N	/A	N	/A
	UU	T Highest Passe	d Seismic Run Ir	formatio	n				
Building Cod	e Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES	AC156 OR C	2.00	1.0	1.5	3.20	2.40	2.13	0.85
Product Constructi	on Summary:		Test Mounting						
Adjustable Motor Pla Fan Shaft Mounted i Corrosion Resistant Options/Subcompo <i>Description</i> <i>NEMA 1 Toggle Swit</i> <i>Junction Box Mount</i> <i>Aluminum Housing</i>	nent Summary:	OSF Cks. DATE: 0	P-0113						
			UUT31 was ceilin threaded rods w two (2) Mason R' braces with Mas Cable was loope of the clamp to p Unit maintained manufacturer re included in testi	vith rod stif W30N-A-41 on SCB-0/S od around f prevent slij structural quirement	feners, t Lisolato SCBH-0 o the bolt ppage. Lintegrit tafter sh	two (2) Ma rs, and fou clips at en and re-rur y and rem nake table	son RW3 ur (4) 3/32 ds. n back th ained fur test. Cor	0N-A-18 i 2" Ø diag. rough the nctional p	solators . cable e outside per

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TRU PROJECT NO. 1900532, Rev. 1



Manufacturer:	Greenheck Fan Corp	poration (Accurex))						
Model Line:	BSQ						U	UT 3	3 2
Model Number:	BSQ-420-100								
Serial Number:	N/A			Test Re	port:	14238, I	Rev. 2 (U	UT32)	
		UU	T Properties						
Weight		Dimension (in)		Lowes	t Natural	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front	-Back	Side	-Side	Ver	tical
1,236	96.0	58.0	76.0		/A	N	/A	N	/A
	<u> </u>	UT Highest Passe	ed Seismic Run Info	ormatio	on				
Building Cod	e Test	Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022		ES AC156 OR	2.00	1.0	1.5	3.20	2.40	2.13	0.85
		Sile 130	3.20-0	0.0	1.5	5.20	2.10	2.15	0.05
Product Construct	on Summary: ng. Backward Inclined /	1EP	Test Mounting D	etails:					
Fan Shaft Mounted Corrosion Resistant Options/Subcompo <i>Description</i> <i>NEMA Premium Effi</i> <i>NEMA 1 Toggle Swit</i> <i>Junction Box Mount</i> <i>Insulated Housing:</i>	onent Summary: cient Motor ch ted and Wired 1" Thick on Fan Housin " Aluminum & Paper Fin	BY: Moha							
	rs. (L50 avg. life 500,00		UUT32 was ceiling threaded rods wit isolators, two (2) M cable braces with Cable was looped of the clamp to pr Unit maintained s manufacturer required	h rod sti Mason R Mason S around event sli tructura uiremen	ffeners, † W30N-A- GCB-3/SC the bolt ppage. l integrit t after sh	four (4) Ma 222 isolat 3BH-3 clips and re-run and re-run ake table	ason RW3 ors, and s s at ends. n back th nained fur test. Cor	0N-A-410 iix (6) 1/4 rough the nctional p	Ø diag. e outside oer

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Manufacturer:	Greenheck Fan Corpor	ration (Accurex	<i>·)</i>						
Model Line:	, RBUMO		, ,				l U	UT 3	33
Model Number:	RBUMO-2H54-50								
Serial Number:	N/A			Test Re	port:	14238. 1	Rev. 2 (U	UT33)	
	,	UU	T Properties			/	1-	/	
Weight		Dimension (in	n)		Lowes	t Natura	l Freque	ncy (Hz)	
(lbs.) ¹	Depth	Width	Height ²	Front	-Back	Side	-Side	Ver	tical
812	66.0	66.0	111.0	14	4.2	13	3.8	9	.9
	UUT	Highest Pass	ed Seismic Run In	formatio	n				
Building Cod	e Test Cr	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES	ACTEGOR	2.00	1.0	1.5	3.20	2.40	2.13	0.85
CBC 2022	ICC-ES	AC136	3.20	0.0	1.5	5.20	2.40	2.15	0.85
Product Construct	ion Summary:		Test Mounting	Details:		·			
Fabricated Steel Pro Adjustable Motor Pl Shaft Mounted in Pi Fixed Pitched Drives Corrosion Resistant Options/Subcompo Description NEMA Premium Effi NEMA 3R Toggle Sw Junction Box Moun Roof Curb-Galv., GF Galvanized Constru Steel Propeller Belt Tube Aluminum Butterfly Motorized Butterfly (24V Actuator with . Bearings with Greas	Fasteners.	rs. Pulley. Fan Grease Zer's. DATE: (
Test Mounting Det	es curb weight.		UUT33 was base using twenty-fou and twenty-eigh wood curb mour Unit maintained manufacturer rea included in testin	ır (24) 5/10 t (28) 5/16 nt. structura quiremen	6" self-ta 5" self-ta l integrif t after sl	apping scr apping scre ty and rem hake table	rews to at ews to at nained fun e test. Cor	tach fan tach curb nctional p	to curb to per



Manufacturer:	Greenheck Fan Corpor	ation (Accurex)	1						
Model Line:	, RBCF	, , ,					U	UT 3	R4
Model Number:	RBCF-3H72-200						Ŭ		7
Serial Number:	N/A			Test Rep	nort:	14238, F	Rev 2/11	(1734)	
		UUT	T Properties			1 1200, 1	1011210	0.01	
Weight		Dimension (in)	-		Lowes	t Natural	Freque	ncv (Hz)	
(lbs.) ¹	Depth	Width	Height ²	Front		-	-Side	r	tical
1,512	136.0	147.0	113.0	25			.7		5.7
, - , -			d Seismic Run In						
Building Code	Test Cr	-	S _{DS} (g)	z/h	I _P	А _{гі х-н} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES	00	2.00	1.0 0.0	1.5	3.20	2.40	2.13	0.85
Product Constructio	n Summary:		Test Mounting	Details:				,	
Washable Aluminum F Cast Aluminum Airfoil Adjustable Motor Plate	Panels of Fabricated Carb ilters. Ball Bearing Motors Blade Propeller. Fan Shaf e. Adjustable Motor Pulley Ball Bearing Pillow Blocks	t Pulley. OSI	P-0113						<i>z</i> .
	osion Resistant Fasteners.		ALL			_1_		V.	
Options/Subcompor									
Description		DAIL: 0	-				-		
Hood			-	E					
NEMA Premium Effici	ent Motor								
30A Disconnect				6	34			-	
NEMA 1 Toggle Switch	h	AD		1	U.S.	1.		ting work	10
Junction Box Mounte	d and Wired	·BUI	, 1 & A.	r					45
Roof Curb-Galv., GPF	-83-G42, Under Sized 0.5	" Total							
Tall Base with Latche	d Access Door								1
Cast Aluminum Prope	eller			· Brann a		State Annual		E FAL	
Aluminum Constructi	ion								
Damper Mounted (VC	D-23-PB-72X72)								
<i>Damper Actuator (MS VAC Transformer</i>	64120F1006), 460 VAC Act	<i>tuated w/ 115</i>							
0.5" Hood Insulation			-						
Bearings with Grease	Fittings		-						
Extended Lube Lines	0 -		UUT34 was base	mounted	- rigid o	n GPF-82-	G42 42" t	all roof c	urb
Insect Screen Base			using thirty-six (3	86) 5/16" s	elf-tapp	ing screw	s to attac	ch fan to o	curb and
Test Mounting Detai	ls:		sixteen (16) 5/16'	' self-tapp	ing scre	ws to atta	ch curb t	to wood o	urb
¹ Weight includes ² Height includes	curb weight.		- mount. Unit maintained manufacturer red included in testir	quirement	after sh	nake table	test. Cor		



Manufacturer:	Greenheck Fan Corpo	oration (Accurex)							
Model Line:	RBF						11	UT 3	25
Model Number:	RBF-2L36-30								
Serial Number:	N/A			Test Re	port:	14238. F	Rev. 2 (U	UT35)	
		UUT	Properties			2.200,1			
Weight		Dimension (in)	=		Lowes	t Natural	Freque	ncv (Hz)	
(lbs.) ¹	Depth	Width	Height ²	Front	-Back	-	-Side		tical
835	94.0	87.0	98.0	+	.4	_	.9		L.0
			d Seismic Run In	formatio	n	1			
Building Code		 Criteria	S _{DS} (g)	z/h	I _P	А _{гі х-н} (g)	А _{гід-н} (g)	A _{FIX-V} (g)	A _{RIG-V} (g)
		DD C	2.00	1.0					
CBC 2022	ICC-ES	AC156	3.20	0.0	1.5	3.20	2.40	2.13	0.85
Product Constructio	n Summary:		Test Mounting	Details:					
Base and Hoods of Ca				AC)					
Drive Frames and Fan	Panels of Fabricated C	arbon Steel.		XXXX	2				
Washable Aluminum	Filters. Ball Bearing Mo	tors. OS	P-0113		n l				
Fabricated Steel Prop	eller (CBR-G) <mark>. Fan S</mark> haf	t Pulley.			m				
Adjustable Motor Plat	e. Adjustabl <mark>e Mot</mark> or Pu	lley.							
Fan Shaft Mounted in	Ball Bearing Pillow Blo	cks.Y:Moha	mmad Karim	ר מפופים ר					
Static Free Belts. Corr	osion Resist <mark>ant Fa</mark> sten	ers.			A	Unastern	K	-11	
		DATE: 0	5					-IA,	1
Options/Subcompor	ent Summary:		70		-	A X - DAMAS			
Description						areas a	Z	4	
NEMA Premium Effici									_
NEMA 3R Toggle Swit				A.P	E.	-			
Junction Box Mounte		ARIIT						N	12
	-46-G42, Under Sized 0.	5" Total 201	- Low Server	ECONT IN	N.			- ·	
Tall Base with Latche	d Access Door							-	
Steel Propeller					12	-		1	
Galvanized Construct					-	-			
	D-200-PB-36X36), End S]						
Damper Actuator (MF	P-210), 115 VAC Actuate	d	1						
Bearings with Grease	Fittings]						
Insect Screen Base									
]						
			J						
Test Mounting Detai	ls:		UUT35 was base		-				
1 Maight includes	curb woight		using twenty-fou			•••			
¹ Weight includes ² Height includes	-		and eighteen (18	s) 5/16" se	tt-tappir	ig screws t	to attach	curb to v	vood
			curb mount.	structure	lintogrit	wand rom	ainod fu	actional	or
			Unit maintained manufacturer re		-				
			included in testi	-				iterits we	i c
						Structura		hy Accoci	atos Inc

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Manufacturer:	Greenheck Fan Corpo	ration (Accurex)							
Model Line:	, RBF						U	UT 3	86
Model Number:	RBF-1H36-30						Ŭ	U	
Serial Number:	N/A			Test Re	port:	14238, F	Rev. 2 (U	UT36)	
	,	זטט	Properties	-					
Weight		Dimension (in)			Lowest	t Natural	Freque	ncy (Hz)	
(lbs.) ¹	Depth	Width	Height ²	Front	-Back	Side	-Side	Ver	tical
835	94.0	87.0	98.0	6.	.5	7	.5	12	2.1
		T Highest Passe	d Seismic Run In	formatio	n				
Building Code	Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022		AC156 RC	2.00	1.0	1 Г	2.20	2.40	2.12	0.05
CBC 2022	ICC-ES	ACIS	3.20	0.0	1.5	3.20	2.40	2.13	0.85
Product Constructio	n Summary:		Test Mounting	Details:					
Base and Hoods of Ca				4					
	Panels of Fabricated C			<u>~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
	Filters. Ball Be <mark>aring</mark> Mo [.]	U U U	P-0113		21				
	eller (SBR). Fan Shaft P								
-	e. Adjustabl <mark>e Mot</mark> or Pu				1.5/10				
	Ball Bearing Pillow Blo			- SLAN		1 M		-	
Static Free Belts. Corr	osion Resist <mark>ant Fa</mark> sten	ers.							
Options/Subcompor	ent Summary:	DAIL: 0						2	
Description						1			
NEMA Premium Effici	ent Motor	NARARANA		36		H			
NEMA 3R Toggle Swit	ch	P. MINI		2			5		
Junction Box Mounte				100.00	-	·		151	
Roof Curb-Galv., GPF	-46-G42, Under Sized 0.	5" Total		Al last					
Tall Base with Latche				1				1 pr	
Steel Propeller							Sec.	The	
Galvanized Construct	ion						1		
Damper Mounted (WI	D-200-PB-36X36), End S	witch		- 10		5		1	10
	2-210), 115 VAC Actuated								
, Bearings with Grease			1						
Insect Screen Base			1						
			1						
			1						
Test Mounting Detai	ls:		UUT36 was base	mounted	- rigid o	ո GPF-46-	G42 42" t	all roof c	urb
			using twenty-fou			••••			
¹ Weight includes	-		and eighteen (18) 5/16" sel	lf-tappin	g screws	to attach	curb to v	vood
² Height includes	curb height.		curb mount.						
			Unit maintained		-				
			manufacturer rec	-				itents we	re
			included in testir	ig per ope I Complia					

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Manufacturer:	Greenheck Fan Corpol	ration (Accurex)	1						
Model Line:	RBS						U	UT 4	10
Model Number:	RBS-1L30-10						Ŭ	•	
Serial Number:	N/A			Test Re	port:	14238, F	Rev. 2 (U	UT40)	
	,	UUI	T Properties			,		,	
Weight		Dimension (in)	-		Lowes	t Natural	Freque	ncy (Hz)	
(lbs.) ¹	Depth	Width	Height ²	Front	-Back	-	-Side		tical
420	75.0	75.0	63.3	15	5.2	9	.8	28	3.9
	וטט	Highest Passe	d Seismic Run In	formatio	n				
Building Code	e Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES	AC156 OR C	2.00	1.0	1.5	3.20	2.40	2.13	0.85
Product Constructi	on Summary:		Test Mounting	Details:					
Wire Mesh Birdscree Fabricated Steel Pro Adjustable Motor Pla Fan Shaft Mounted i Static Free Belts. Co Options/Subcompo Description NEMA Premium Effic NEMA 3R Toggle Swi Roof Curb-Galv., GPA Tall Base with Latch Steel Propeller Galvanized Construct Damper Mounted (V	cient Motor itch F-40-G12, Under Sized 1.2 ed Access Door	OSI ley. cks. Y: Moha ers. DATE: O	P-0113						
Test Mounting Deta ¹ Weight include ² Height includes	s curb weight.		UUT40 was base using twenty-fou and twenty (20) mount. Unit maintained manufacturer re included in testi	ur (24) 5/16 5/16" self- structural quirement	6" self-ta tapping l integrit t after sh	apping scr screws to y and rem nake table	ews to at attach cu ained fuu test. Cor	tach fan urb to wo nctional p	to curb ood curb oer



Manufacturer:	Greenh	eck Fan Corpo	oration (Accurex)							
Model Line:	RCE							U	UT 4	12
Model Number:	RCE3-5	4-323-C75						_	_	
Serial Number:	N/A				Test Re	port:	14238, 1	Rev. 2 (Ul	JT42)	
			וטט	Properties						
Weight			Dimension (in)			Lowes	t Natura	Freque	ncy (Hz)	
(lbs.) ¹		Depth	Width	Height ²	Front	-Back	Side	-Side	Ver	tical
1,525		112.0	111.0	108.0	5	.5	6	.9	11	l.1
		UU	T Highest Passe	d Seismic Run Inf	formatio	n				
Building Code	e	Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022			AC156 OR C	2.00	1.0	1.5	3.20	2.40	2 1 2	0.85
CBC 2022		ICC-ES	ACIS	3.20	0.0	1.5	3.20	2.40	2.13	0.85
Product Constructi	ion Summ	ary:		Test Mounting D	Details:					
Base and Hoods of C										
Drive Frames and Fa	an Panels c	of Fabr <mark>icated</mark> C	arbon Steel.			2				
Wire Mesh Birdscree	ens. Ball Be	aring Motors.	OSI	P-0113		2				
Cast Aluminum Airfo	oil Blade Pi	rope <mark>llor.</mark>				m				
Corrosion Resistant	Fasteners.		DV: Maha			-				
Options/Subcompo	onent Sum	mary:			1			/	9 I I	
Description								- AN		
Hood			DATE: 0							
NEMA Energy Efficie	ent Motor			The second second			-	1	15	
Roof Curb-Galv., GP		Under Sized 0.	5" Total			•	. 1/			
Tall Base with Latch	-					100 100 100		H		
Cast Aluminum Prop			VIA		-		-		7.	
Galvanized Construe			BUI				1	-		2
Damper Mounted (W	VD-100-PB	-54X54), End S	witch						A Real Property lies	
Damper Actuator (M	IP-100A), 1	15 VAC Actuate	ed		Th		A.			-
Insect Screen Base						Te e				-
				-						
				_						
				-						
				-						
T				UUT42 was base r	nountod	rigid o		C1212"+	all roof c	urb
Test Mounting Deta				using twenty (20)		0				
¹ Weight include	es curb we	eight.		twenty-four (24) 5	•	•••	0			
² Height includes		-		mount.	., 10 500					
	-	-		Unit maintained s	tructura	l integrit	y and rem	nained fur	ictional r	ber
L				manufacturer req		-				
				included in testin						



Manufacturer:	Greenheck Fan Corpo	ration (Accurex)									
Model Line:	RSF	ration precurexy							12		
Model Number:	RSF-200-100						U	01-	t)		
Serial Number:	N/A			Test Re	norti	14238, F	$P_{OV}(2/1)$	11712)			
Serial Nulliber:	N/A		- Proportion	Test Re	ροτι:	14230, 1	ev. 2 (0	0143/			
Waight			Properties	1	1	+ Notural	F wo w o				
Weight	Danath	Dimension (in)				-	ll Frequency (Hz) e-Side Vertical				
(lbs.) ¹	Depth	Width	Height ²	-	-Back			Vertical			
1,006	73.0	73.0	81.3		.8	6.	6.0 13.1				
		-	d Seismic Run In			1		1	1		
Building Code	e Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC 2022		ICC-ES AC156 OR C		1.0	1.5	3.20	2.40	2.13	0.85		
				0.0	1.5	5.20	2.10	2.15	0.05		
Product Construction	on Summary:		Test Mounting	Details:							
Removable Insulated	Hood Cover.										
Curb Cab with Pre-p	unched Mountin <mark>g Hole</mark> s.	<u> </u>		XXXX Y	2						
Blower and Motor As	sembly Isolated on Sho	ck Mounts	0112								
Forward Curved Fan	n Wheel. Adjus <mark>table M</mark> oto	or Pulley.			L						
Adjustable Motor Pla	nte. Ball Beari <mark>ng Mo</mark> tor.			A RAD	AT - 34	and the second s	7				
Fan Shafted in Ball B	earing Pillow <mark>Block</mark> s. Sta	atic Free Belts.	Providence				1	1-			
Corrosion Resistant	Fasteners.			2	RU 13			10.			
							X				
Options/Subcompo	nent Summary:				-	-	1 10				
Description							- 20				
NEMA Premium Effic	ient Motor							1			
Roof Curb-Galv., GPI	-52-G42, Under Sized 0.	5" Total			017#42	1		ALC S			
Galvanized Housing		AD				1.					
Standard 1" Washab	le Aluminum Filters	BUI		-			T				
Duct Adapter											
							-	N-			
					- F	4-13		U"U			
							-				
					and the second	-	Same and Same				
			A VD	/	>	-		6 - C			
			_								
			1								
			1								
Test Mounting Deta	ile		UUT43 was base	mounted	- rigid o	n GPF-52-0	G42 42" t	all roof c	urb		
i est mounting Deta			using twenty-fou		-						
¹ Weight include	s curb weight.		and twenty (20)								
² Height includes	_	mount.	,	0.1.10							
	-		Unit maintained	structural	integrit	y and rem	ained fu	nctional	ber		
L			manufacturer re		-						
			included in testi	-				-			
			-	J Complia	-						



Manufacturer:	Greenhee	k Fan Corpo	oration (Accurex)								
Model Line:	SQ							U	UT 4	4	
Model Number:	SQ-95-D							-			
Serial Number:	N/A				Test Re	port:	15332, F	Rev. 1 (Ul	'JT44)		
			זטט	Properties							
Weight			Dimension (in)			Lowest	Natural	Freque	ıcy (Hz)		
(lbs.)		Depth	Width	Height	Front-Back Side-			Side Vertical		tical	
56		19.0	15.0	15.0	3.	55	5.	31	7.	7.40	
	T Highest Passed	d Seismic Run Inf	formatio	n							
Building Cod	e	Test C	Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC 2022			ACIES OR C	2.00	1.0	1.5	3.20	2.40	2.13	0.85	
CBC 2022		ICC-ES AC156		3.20	0.0	1.5	5.20	2.40	2.15	0.85	
Product Constructi	ion Summar	y:		Test Mounting	Details:						
Carbon Steel Housir	-			J.			-			100	
Two Bolted Access F	-		-		- 1		1				
Sleeve Bearing Moto	or. Corrosion	Resistant Fa	asteners. OSF	P-(1	LL.	E.L	1h			
					-	10	+ =	1			
Options/Subcompo	onent Summ	ary:	BY Mohar	nn e			1			45	
Description				1.1			1	1.8		÷	
NEMA 1 Toggle Swit	tch		DATE: 0		\cap	PT-		2			
Junction Box Mount	ted and Wire	d 🖵 🕅	DATE. U	D/U	- 10	100 m		100	-	100	
Inlet/Outlet Guard					-		-	-	-		
6A Solid State Speed	d Control		ANNANNA -		and the second	-	500		-		
Spring Vibration Iso	lators	Y	P. MIN		Contraction of the	a de	2		-	-	
			AD				44				
			BUI				1 1	2	1		
									-		
				1000			1 3	1	-		
				- 40		-	J.	1.5	2		
					- B-	No.		16	1 al	-	
							10	the -		-	
					3	1.		-	1	41.0	
				cent a		10	1		1	·	
				1264		1000	1	~ •		-	
				UUT44 was base i	mounted	- isolated	d to the te	est fixture	e using fo	ur (4)	
				VMC AMSR-1C-50	isolators	to the ur	nit using o	one (1) 1/2	2" Grade	8 bolt	
				for each isolator.				d to the t	est fixutr	e using	
				two (2) 1/2" Grad							
				Unit maintained s							
				manufacturer req					itents we	re	
				Included III lestin	g per ope	n a ung co	munuons				



Manufacturer:	Greenhed	k Fan Corp	oration (Accurex)							
Model Line:	SQ							U	UT 4	-5
Model Number:	SQ-95-E									
Serial Number:	N/A				Test Re	port:	15332, I	Rev. 1 (Ul	JT45)	
			זטט	Properties						
Weight Dimension (in) Lowest									ncy (Hz)	
(lbs.)		Depth	Width	Height	Front	t-Back	Side	-Side Vertic		tical
66		19.0	15.0	15.0	N/A N			I/A N/A		/A
		UL	T Highest Passe	d Seismic Run Inf	formatic	on 🛛				
Building Cod	le	Test	Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC 2022			CARTER OP (2.00	1.0	1.5				
CBC 2022		ICC-ES AC156		3.20	0.0	1.5	3.20	2.40	2.13	0.85
Product Construct	ion Summar	y:	E	Test Mounting	Details:					
Carbon Steel Housi	ng. Backward	Inclined C	omposite Wheel.		- FI					
Two Bolted Access I	Panels. Integ	ral Duct Co	nnection Flanges.		-		-		1	
Sleeve Bearing Moto	or. Corrosion	Resistant F	asteners. OS	2-011	- 25				10	
					2		No.		-	
Options/Subcomp	onent Summ	arv:	BY Mohai	nmad I		- 1	111		1710	
Description					- al	1.5				
NEMA 1 Toggle Swit	tch									
Junction Box Moun		d	DAIE: 0	5/05/2		1	1			
6A Solid State Spee	d Control				1				1 E/	
		· · ·					6	V -	1.19	
					-	C-1	-11	1.	The A	
					1		The sea	-		
			BUI	DIN					2.6	
					1	-	-		16	
							ALC: NO			
					-		1		_	
				-			V	1		
				-				-		
					-	-		-	-	
				-			-			
				UUT45 was ceiling	-		-			
				threaded rods wit		-				
				SHAA-25 Isolators				•		
				bolt each, and two (2) 3/32" Ø diagonal cable braces per corner (8 total) w/ Mason SCB-0/SCBH-0 clips at ends. Cables were looped						
				around the bolt a		•			•	
				prevent slippage.			a sugn the	. Juiside (טי נווב נומ	
				Unit maintained s		l integrit	y and rem	nained fur	nctional r	ber
				manufacturer req		-	-		-	
				included in testin	-					