

Performance	
Quantity	2
Volume (L/sec)	14,200
Total External SP (Pa)	50
Operating Power (kW)	3.29
Required Power (kW)	3.29
Fan RPM	442
Elevation (m)	18
Start-up Temp.(C)	21
Operating Temp.(C)	21

Fan Configuration	
Size	54
Discharge Position	Upblast
Mounting	Roof Mount
Material Type	Steel

Equipment Weights	
Fan (LMD)(kg)	422
Motor/Drive (kg)	71
Accessories (kg)	19

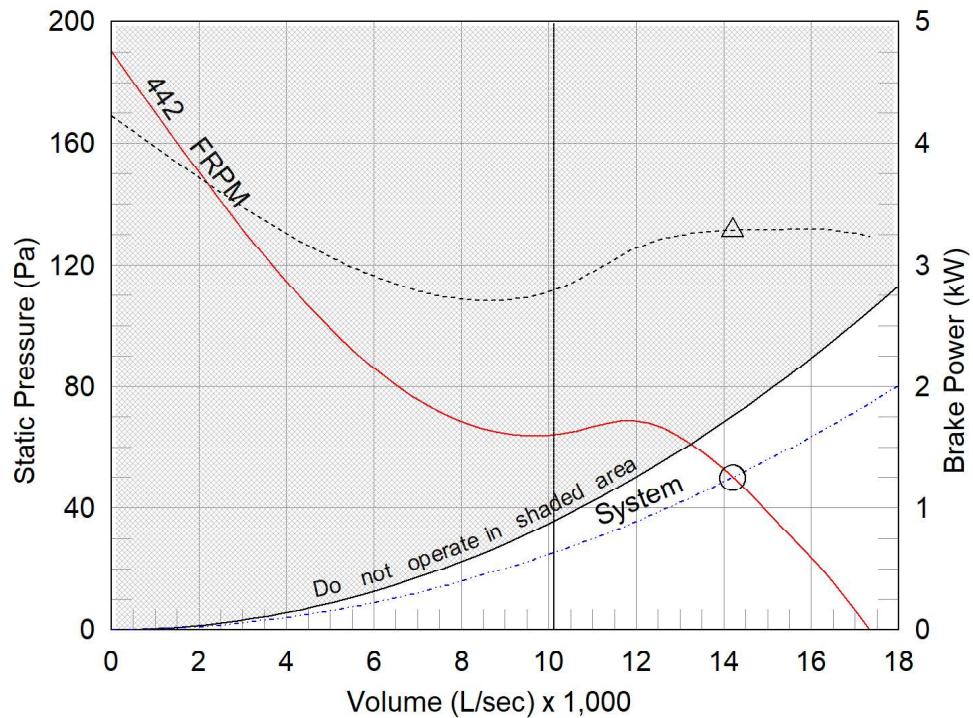
Misc Fan Data	
FEG	50
Outlet Velocity (m/sec)	9.611
Static Efficiency (%)	22
Tip Speed (km/h)	31.714

Motor and Drives	
Motor	Included
Size (hp)	5
RPM	1425
Enclosure	TEFC
Voltage	400
Cycle	50
Phase	3
Frame Size	213T
Max Frame Size	256
Pulley Type	Constant
Drive Loss (%)	4.0

Model: TAUB-54L-50

Tube Axial Upblast Belt Drive

Operating Performance



- △ Operating BkW point
- Operating point at Total External SP
- Fan curve
- - - System curve
- - Brake kilowatts curve
- Min. Damper Volume



Sound Power by Octave Band

Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones
Inlet	103	91	84	82	75	73	70	72	85	73	31

LwA - A weighted sound power level, based on ANSI S1.4

dBA - A weighted sound pressure level, based on 11.5 dB attenuation per octave band at 1.52 m- dBA levels are not licensed by AMCA International

Sones - calculated using AMCA 301 at 1.52 m

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Standard Construction Features:

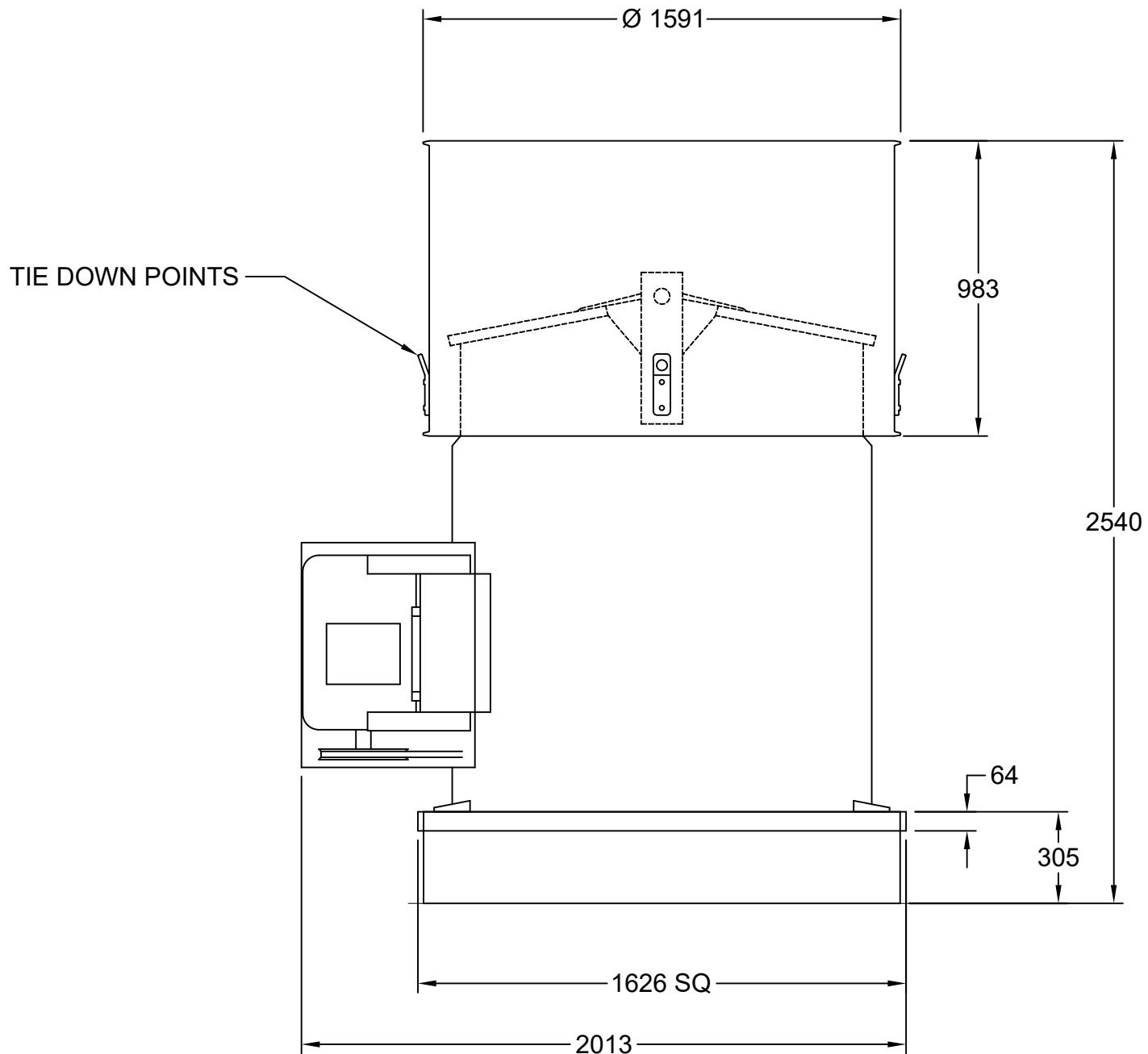
HOUSING: Curb cap, motor cover and fan housing are heavy gauge steel coated with Permatector -
Butterfly dampers - Adjustable motor plate - Ball bearing motor - Corrosion resistant fasteners.
BEARINGS, SHAFT, AND PROPELLER: Heavy duty, self-aligning pillow block bearings - Extended lube
lines - Polished, solid steel shaft - Welded and painted steel propeller.
DRIVES: Variable pitch motor pulley on sizes 24-42, fixed pitch motor pulley on sizes 48-60, fixed pitch fan
shaft pulley and static free belts

Selected Options & Accessories:

Motor with Class H Insulation
Coating - Permatector, Concrete Gray-RAL 7023, Fan and Attached Accessories
Roof Curb - GPI-64, Galvanized, 12 Inch Height, 25 mm Insulation
Switch - NEMA-4X, Toggle, For Indoor or Outdoor Use, Ship Separate
UL/cUL-705 - "Power Ventilators"
Mounting Support - Roof Mount
Steel Butterfly Damper Blades
Magnetic Damper Latches
Extended Lube Lines - Nylon
Tie Down Points (set of 4)
Unit Warranty: 1 Yr (Standard)

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Notes: All dimensions shown are in units of mm