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THE JAZZ FAN - OUR NEWEST ADDITION

From showrooms to restaurants and atriums to office spaces, the Jazz Fan’s creative touch of ambiance enhances the comforts and aesthetics of each space. The sleek, ultra-modern design allows for a magnitude of customizable finishes from vibrant red to brilliant chrome and every imaginable color in between, enhancing any sophisticate environment.

MOVING AIR WITH STYLE

Traditional airfoils (or blades) are linear in design and produce greater noise at a particular frequency. Using varying points on the leading edge of the blade spreads the noise or acoustic signature over a greater range of frequencies, virtually eliminating any noise. As a fan rotates, the tip of a blade spins faster than the fixed point or ‘centre’ creating pockets of minimal air movement directly underneath the fan. The Jazz Fan blade design tackles this challenge with a varying degree angle of attack, never before seen in our industry. Ranging from 6° (tip) to 14° at its greatest point, the Jazz Fan diminishes the resistance against each blade maximizing air movement and minimizing power consumption.

Jazz Fan’s unique blade design doesn’t just look good; it deploys the same modulated blade technique utilized in advanced stealth helicopters; making it possible to move more air; quietly and in style. Jazz Fans move 45,000 CFM with a max noise level of 39dBA. Covering an area of 260m3 (2,800 ft²), the Jazz fan exceeds the highest of industry standards in all categories of form and function.
ORDERING AND INSTALLATION MADE SIMPLE

Jazz Fans come as a complete package that includes; the Jazz Fan, Universal Mounting System, Wiring Kit, and Control Panel. Having everything included in this complete package streamlines ordering, shipping and installation. From start to finish, Envira-North Systems provides everything you need – in one simple package.

DISTINCTIVE UNIVERSAL MOUNTING SYSTEM

A complete redesign from top to bottom – no other HVLS Fan on the market can provide the robust yet sleek design of the Jazz Fan’s Universal Mounting System. Included in every Jazz Fan, the distinctive Universal Mounting System permits the Jazz Fan to be installed on a wide range of ceiling structures that includes; I Beams, Open Web Steel Joists, Wood Beams (Glu Lam), Purlins and Wooden Trusses.

The design doesn’t stop there – the entire mounting kit is intended to act as a housing for your electric wiring – meaning power to the fan and from the control is invisible to the people below. Better yet, the Universal Mounting System also allows for the Jazz Fan to be located on any sloped ceilings from 0-18.5° with a complete 360° swivel.
DIFFERENT MOUNTING APPLICATIONS

GLU LAM MOUNT

OWSJ MOUNT

PURLIN MOUNT

WOOD TRUSS MOUNT

For a complete review of the mounting system and how it applies to your application, please reference the Jazz Fan Installation Guide. To obtain a copy, please visit www.enviranorth.com
SAFETY SYSTEMS

The Jazz Fans are supplied with superior safety equipment and harnessing systems to maintain an integral safety status and give the customer peace of mind. All fan installations include safety cables, safety flat washers, safety lock washers, safety bolts and thermal protection on the motor to prevent overheating. If fans are installed between racks in a storage facility, signs should be posted identifying locations. The variable frequency drive also comes equipped with a current limit, motor overload sensor, minimum and maximum speed control.
FAN COMPONENTS DIAGRAM

See Mounting Applications

[3 mm] 1/8" SS Cable [2.13 m] 7" Length
(2)[6 mm] 1/4" SS Thimble
(4)[3 mm] 1/4" SS Thimble

[152.4 mm] 6" Standard Jazz Drop Pipe Optional Custom Lengths Available

Fan Drive Assembly (Includes Hub)

(5) Blades (Not Shown)

(20) 1/4" - 20 x 0.75 LG Hex Cap Screws

Hub Cover Assembly (LED Light Optional)

(5) 8-32 x 1.375" LG Pan Head Screws

Note: All bolts are “class 8.8”
FT = Fully Threaded
(#) = Quantity Supplied
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FINISH
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DIMENSIONS ARE IN INCHES
WEIGHT IS IN POUNDS
TOLERANCES:
FRACTIONAL
1/16
ANGULAR: MACH
0.1
BEND
0.5
TWO PLACE DECIMAL
0.060 (1.5mm)
THREE PLACE DECIMAL
0.030 (0.76mm)

MATERIAL
VENDORS NUMBER:
AS SPECIFIED
AS SPECIFIED

DRAWN
Checked By:
Drawing Date:
Last Revised Date:
0.7m
27.1in
3.1m
120.3in

Envira-North Systems Ltd.
JAZZ FAN - COMPLETE ASSEMBLY

TITLE:
JAZZ FAN - COMPLETE ASSEMBLY

SHEET 1 OF 1

Scale: 1:25  Weight: 83.92  Sheet 1 of 1

Note: Contractor is responsible for verifying all conditions to include field
dimensions where applicable. If the contractor elects to make any changes without notifying Envira-North Systems
Ltd, the contractor is responsible for all. All drawings are to be used as general architectural intent only.

ALL OF THE DRAWING INFORMATION SPECIFIED
OBSOLETE EXCEPT WHERE SPECIFIED.

CONTRACTOR IS RESPONSIBLE FOR
COOPERATING WITH ENVIRA-NORTH SYSTEMS LTD.
IN THE COORDINATION OF THE PROJECTS AND THE
DESIGN.

CONTRACTOR IS RESPONSIBLE FOR
ENSURING THAT ALL PROJECTS ARE COMPLETED
ON TIME AND WITHIN BUDGET.

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3 M (10') JAZZ FAN

General
Model Number......................................................... EN560X0010
Diameter ................................................................. 3 m (10')
Number of Blades .................................................... 5
Motor Power ............................................................ 0.5 hp
Noise Level ............................................................ 53 dBA
Overall Weight (no mount) ....................................... 90 lbs (41 kgs)
Packaged Fan Weight ............................................... 135 lbs (61 kgs)

Performance (at max speed)
Airflow ....................................................................... 45,000 CFM
Maximum Speed ....................................................... 120 RPM
Power Usage ............................................................ 450 W
Maximum Effective Diameter .................................... 18.2 m (60')

Construction
Frame ........................................................................ Black Zinc Coated Steel
Hub ............................................................................ Black Zinc Coated Steel
Blades ....................................................................... Fibre Filled Polypropylene

Safety Components
Safety Cables ............................................................ 1/8” Stainless Steel Cable

Mounting Hardware
Standard Mount ........................................................ Universal Mounting System

Mounting*
Glu Lam Mount ........................................................ Included
Open Web Steel Joist ................................................ Included
Wood Beam Mount .................................................... Included
Purlin “Z” Mount ....................................................... Included

Gearmotor
Type ......................................................................... Helical Inline
HP ............................................................................. 0.5 hp (0.37 kW)
Ratio ......................................................................... 15.77:1
Volts ......................................................................... 230 V
Amps Consumed ...................................................... 1.9 A
Insulation Class ....................................................... F
Torque ........................................................................ 289 lb-in

VFD Control
Enclosure ..................................................................... Nema 4X
Standard Power ....................................................... 110 V
50 / 60 Hz Operation

Jazz Wall Control
Operation ................................................................. Keypad
Lockable ..................................................................... Yes
Light Control ............................................................ Dimmable ON / OFF
Wiring ....................................................................... Supplied
Diagnostic Capability ............................................... Full
HEAT SOURCE CLEARANCES:
- As per heating installation minimum clearances

AIR DUCT CLEARANCES:
- Excessive air movement on the fan will create improper balancing and excessive stresses to the moving components

CLEARANCES:
- Open ceiling, center of fan to roof deck for ideal operating performance without comprising overall fan performance
- Finished ceiling, min 48” [1220] center of fan to finished ceiling for ideal operating performance without comprising overall fan performance
- Min 12” [304.8] from fan blade’s leading edge to obstruction above or below fan.
- Min 8” [203] from side of fan to any obstruction
- Min floor to fan leading edge height 120” [3048]

NOTE: All dimensions are minimum requirements
**JAZZ DROP ASSEMBLY**

**ITEM NO.** | **PART NUMBER** | **DESCRIPTION** | **QTY.**
--- | --- | --- | ---
1 | EN562X2501 | JAZZ LOWER PIVOT PLATE | 1
2 | EN562X2502 | JAZZ DROP PIVOT PIN | 1
3 | EN562X2500 | JAZZ UPPER PIVOT PLATE | 1
4 | EN562X2506 | 1/4 X 1-1/4 LG.-SQUARE KEY | 1
5 | EN823X6026 | 1/4-20 X 0.625 SOCKET HEAD CAP SCREW | 3
6 | EN562X2503 | JAZZ DROP COUPLER | 1
7 | EN562X2505-6IN | JAZZ DROP PIPE 1-1/2"NPT X 6 | 1
8 | EN562X2504 | JAZZ DROP FLANGE | 1
9 | EN823X6027 | 5/16 X 3/8 SET SCREW CUP POINT | 3

**NOTE:**
Contractor is responsible for verifying all site conditions to include field dimensions where applicable. If the contractor elects to make any changes without notifying Envira-North Systems Ltd., the contractor is responsible for the same. All drawings are to be used as general architectural intent only unless otherwise stamped. See Engineering drawings for structural design information. Contractor to ensure that all building departments and authorities are informed in regard to the work and that all permits are attained before commencing the work.
NOTE: VARIOUS DROP LENGTHS AVAILABLE UPON REQUEST

VENDOR: FASTENAL P/N-66476

Sun-North Systems Ltd.

TITLE:
JAZZ DROP PIPE 1-1/2"NPT X 6

Q: EN562X2505 1 2 3 4 5

SCALE: 1:2 WEIGHT: 1.34 SHEET 1 OF 1
JAZZ FAN REMOTE DISPLAY

ISOMETRIC VIEW

SCALE: 1:4

[73mm] 2.9in
[25.4mm] 1.0in

[247.7mm] 9.8in
[184.2mm] 7.3in

DATED: August-28-15 3:56:00 PM

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JAZZ FAN PACKAGING DETAILS

EXTERIOR

[33 cm] 13"
[63.5 cm] 25"
[157.5 cm] 62"

INSIDE

OUTSIDE