PERFECTION GROUP

SUBMITTAL SHEET

HEARTLAND APOTHECARY
9947 KINGSTON PIKE
KNOXVILLE, TN 37922

Architect: _____

Engineer: STEVEN ZIMNY

GC: _____

Title: FAN SUBMITTAL

PERFECTION GROUP

____ Approved as Submitted
____ Approved as Noted
____ Revise and Resubmit

Job # _____

Date: _____

Signed: _____

SHOP DRAWING REVIEW

ENGINEER'S REVIEW	RESPONSE REQUIRED OF CONTRACTOR
[X] No Exceptions Taken [X] Note Markings [ ] Rejected [X] Comments Attached	[ ] Confirm [ ] Resubmit

Engineer's review is for general conformance with the design concept and contract documents. Markings or comments shall not be constructed as relieving the Contractor from compliance with the project plans and specifications, nor departures therefrom. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly, and for performing his work in a safe manner.

ALBERT F G BEDINGER
CONSULTING ENGINEERS, P.C
Knoxville, TN
BY: SZ Date: 8/11/25

COMMENT: We'll need to have a speed controller for each fan, a disconnect switch for each, and need to verify if they require a weather cover for the motors.

cincinnati fan

Proposal

Prepared On: 8/11/2025
Quotation #: 536438

Your Cincinnati Fan Representative:
Ben Merk
Koch Applied

ACFM	SP	Temp.	Altitude	Density	Fan RPM	BHP
285	0.5 in. wg	70°F	0 ft. ASL	0.075 lb/ft³	1750	0.13

Qty	Description
1	Cincinnati Fan LMF-6, Arrangement 4, CW Rotation, UB Discharge, 7.0 x 1.0
	MTR,1/4 HP,1750 RPM,1PH,60Hz,115/208-230V,TEFC,Std Eff,FM,56,1.15 SF,B Insul., 40C Amb.,Tropicalized for Storage,Shielded Bearings,F1 Box, Steel frame, REPLACES .2518ES1BB56
	Drain with Plug
	Flanged Discharge-Standard Drilling
	Optional Items
	Inlet Guard

Allow 10 working days to ship after receipt of order, or release to manufacturing. (Actual lead time depends upon motor/purchased parts availability.) This order can be expedited for shipment within 5 days for an additional CQS charge of 15%.
Approximate shipping weight (for complete fan as described above) is 42 pounds (each).

Net 30 Days (upon credit approval). FOB Factory. Freight not included. **Please issue PO to Cincinnati Fan c/o Koch Applied.** All Cincinnati Fan terms and conditions of sale will apply. When ordering, refer to the Quotation # at the top of this proposal.

Thank you,

Ben Merk
Koch Applied

Proposal

Prepared On: 8/11/2025
Quotation #: 536438

Your Cincinnati Fan Representative:
Ben Merk
Koch Applied

Perfection Group

Quote valid through: 9/7/2025

Attention: Kevin Wilson

ACFM	SP	Temp.	Altitude	Density	Fan RPM	BHP
400	0.6 in. wg	70°F	0 ft. ASL	0.075 lb/ft³	1750	0.15

Qty	Description
2	Cincinnati Fan LMF-6, Arrangement 4, CW Rotation, UB Discharge, 6.3 x 3.5
	MTR,1/4 HP,1750 RPM,1PH,60Hz,115/208-230V,TEFC,Std Eff,FM,56,1.15 SF,B Insul., 40C Amb.,Tropicalized for Storage,Shielded Bearings,F1 Box, Steel frame, REPLACES .2518ES1BB56
	Drain with Plug
	Flanged Discharge-Standard Drilling
	Optional Items
	Inlet Guard

Allow 10 working days to ship after receipt of order, or release to manufacturing. (Actual lead time depends upon motor/purchased parts availability.) This order can be expedited for shipment within 5 days for an additional CQS charge of 15%.
Approximate shipping weight (for complete fan as described above) is 42 pounds (each).

DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel Single-Phase	Product code : Catalog # :	13268315 .2518ES1BW56-S

Frame	: W56	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 0.25 HP (0.18 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 4.60/2.54-2.30 A	Protection degree	: IP55
L. R. Amperes	: 24.4/13.5-12.2 A	Cooling method	: IC411 - TEFC
LRC	: 5.3x(Code N)	Mounting	: F-1
No load current	: 4.00/1.72-2.00 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1735 rpm	Noise level[2]	: 52.0 dB(A)
Slip	: 3.61 %	Starting method	: Direct On Line
Rated torque	: 0.757 ft.lb	Approx. weight[3]	: 16.6 lb
Locked rotor torque	: 310 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0318 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%
Efficiency (%)	39.8	43.0	52.0	57.0
Power Factor	0.25	0.43	0.52	0.60

Foundation loads

Max. traction	: 12 lb
Max. compression	: 29 lb

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

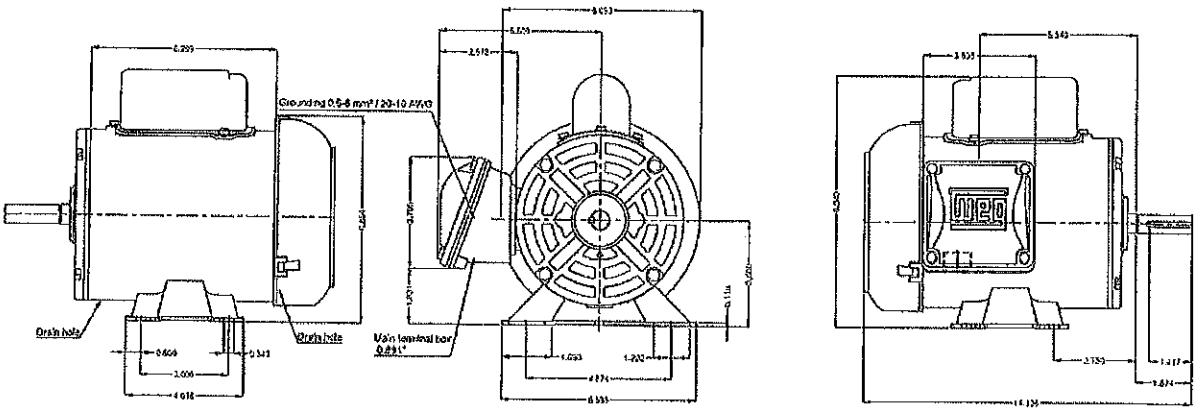
Notes

This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	11/08/2025		1 / 1	



0.25 HP 04 Poles 60 Hz

Scale 1:3

DE Shaft End

Mounting F-1/B3R/B3

SINGLE PH. INDUCTION ROLLED STEEL FRAME 56H PPE TEFC

PREVIEW

W00 | 00

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