

Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246



Report: Low EF's
Function: Test, Adjust, & Balance
Date: 07/21/2025
Completed By: National TAB

PROJECT

Middletown Fire Station 85 (Middletown, OH)

4615 Sophie Avenue

Middletown, OH 45042

Client

TP Mechanical
1500 Kemper Meadow Drive

Cincinnati, OH 45240

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Project: Middletown Fire Station 85 (Middletown, OH)

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Project: Middletown Fire Station 85 (Middletown, OH)

System/Unit: FAN - Exhaust

Asset: EF-2

AREA:TOG 125

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	90SQN17DEC
Serial Num	-	108PL46274
Type	INLINE	INLINE

Test Data		
	Design	Actual
CFM	250	195
RL Voltage	-	120
RL Amperage	-	
Total ESP	0.50	

Motor Data		
	Design	Actual
Motor MFG	-	COOK
Frame	-	NL
Horsepower	0.10	0.167
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	NL
Service Factor	-	NL



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Project: Middletown Fire Station 85 (Middletown, OH)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-2/TOG 125

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	E1	8	250	1	195			-
Total			250		195	0	0	0%



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Project: Middletown Fire Station 85 (Middletown, OH)

System/Unit: FAN - Exhaust

Asset: EF-6

AREA:GEN EXHAUST 112,122,123

Unit Data

	Design	Actual
MFG	NA	COOK
Model Num	NA	90SQN17DEC
Serial Num	-	10SPL46274
Type	INLINE	INLINE

Test Data

	Design	Actual
CFM	250	142
RL Voltage	-	120
RL Amperage	-	
Total ESP	0.50	

Motor Data

	Design	Actual
Motor MFG	-	COOK
Frame	-	NL
Horsepower	0.10	0.10
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	NL
Service Factor	-	NL



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Project: Middletown Fire Station 85 (Middletown, OH)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-6/GEN EXHAUST 112,122,123

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	E2		50	1	46			-
EGRD2	E2	6	100	1	47			-
EGRD3	E2	6	100	1	49			-
Total			250		142	0	0	0%