

HOT GAS NOISE

This is a transcript of an information bulletin under the heading of
SERVICE MANAGERS BULLETIN

This bulletin should serve as a reference for the application of discharge orifice plates. Generally they find their greatest use on built up systems where piping may be susceptible to vibration and noise resulting from discharge or pulsations.

They should be applied only after the system is examined to determine the cause of the problem. Examine the system for proper design and support of the piping (Carrier System Design Manual #3). Often just changes in the supports can minimize vibration. In some cases, the compressor may be the cause of the vibration, that is, broken discharge valves can result in excessive gas pulsations, and the resulting noise and vibration. Before installing a baffle plate, a good test in order to judge its possible effects is to throttle down on the discharge valve. The vibration should diminish as the pressure drop across the valve is in the 3 to 5 lb. range.

It should be noted that the pressure drop across the plate will somewhat lower the EER of the compressor. To keep the pressure drop within the acceptable limits, baffle design is dependent on operating conditions and refrigerant being used.

USAGE 06E

BAFFLE PLATE	AIR COND	MED TEMP	LOW TEMP
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Evap temp	25° - 50°	0° - 30°	-40° - -0°
Refrigerant	R22 - R502	R22 R502	R502 - R12 *

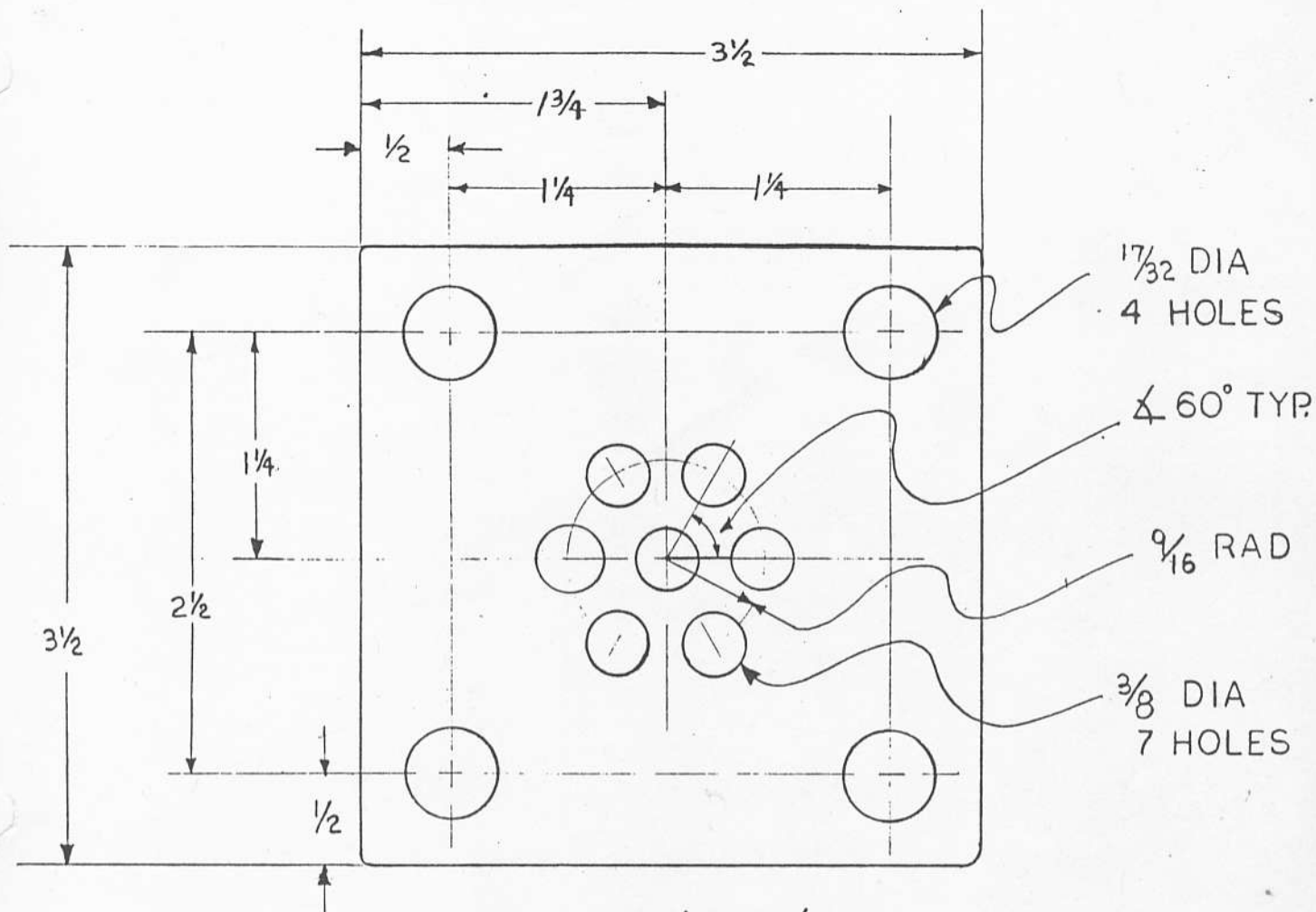
Use Low temp plate in all R 12 applications

USAGE 06D

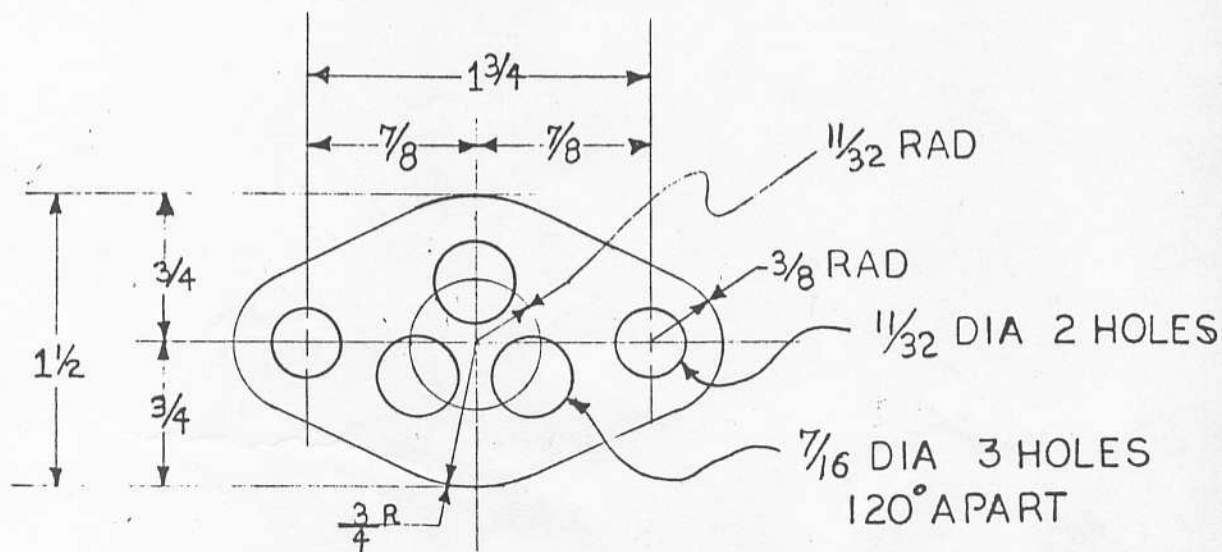
For the 06D, a single design is used in all applications. The plates are referenced to the CFM displacement of the compressor. EX: 06DX537BC0400, 37 CFM

Drawings of the several plates are located in section FIVE (5)) of your manual under the Carrier tab.

A.C. DUTY

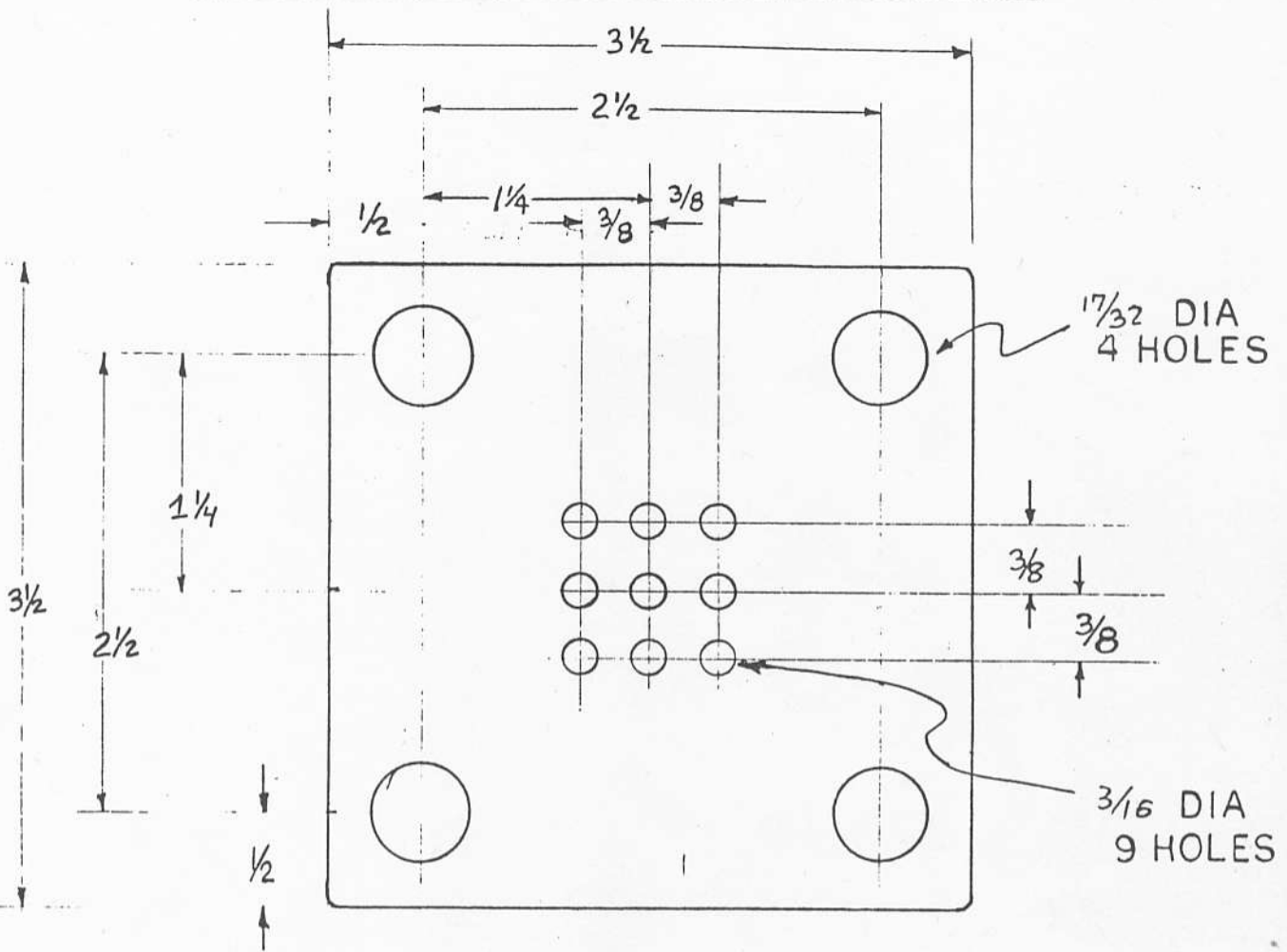


06E265/275/299

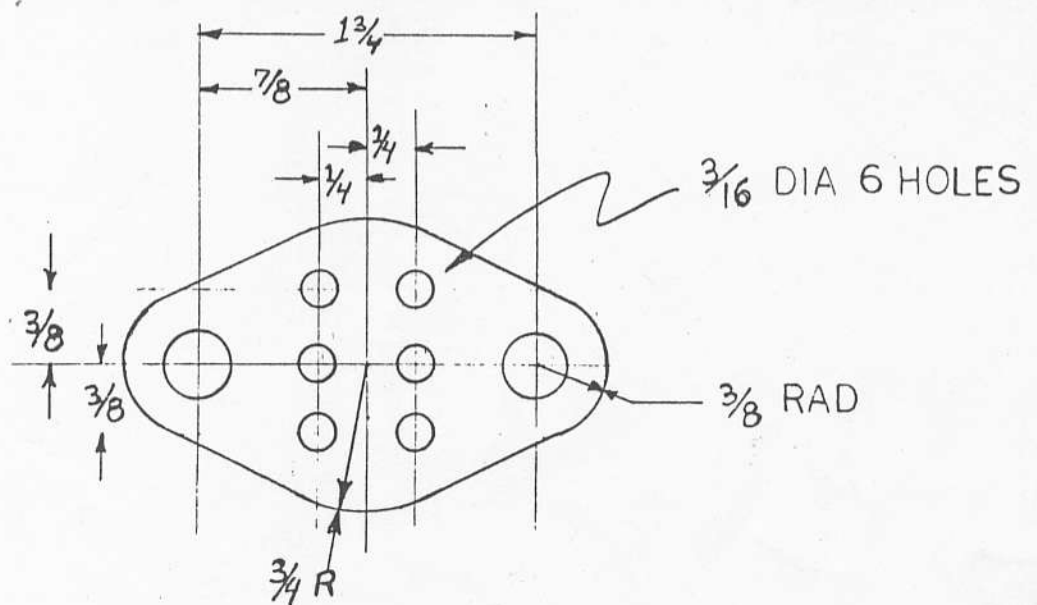


06E 250/260/266

MEDIUM TEMP

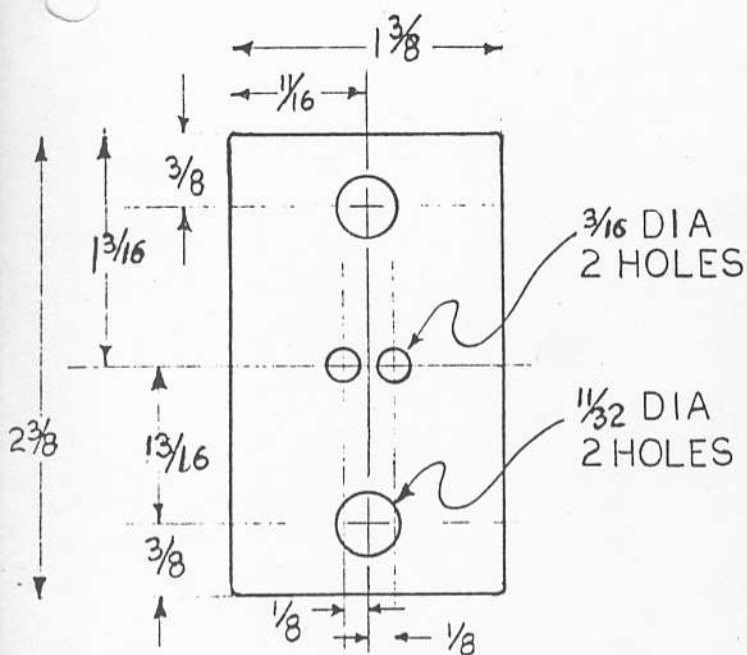


OGEM175/199

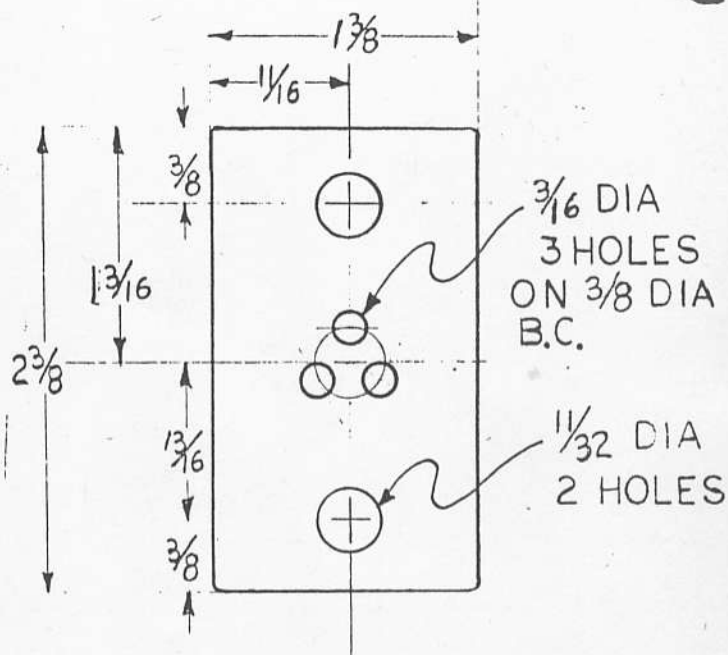


OGEM150/266

06D

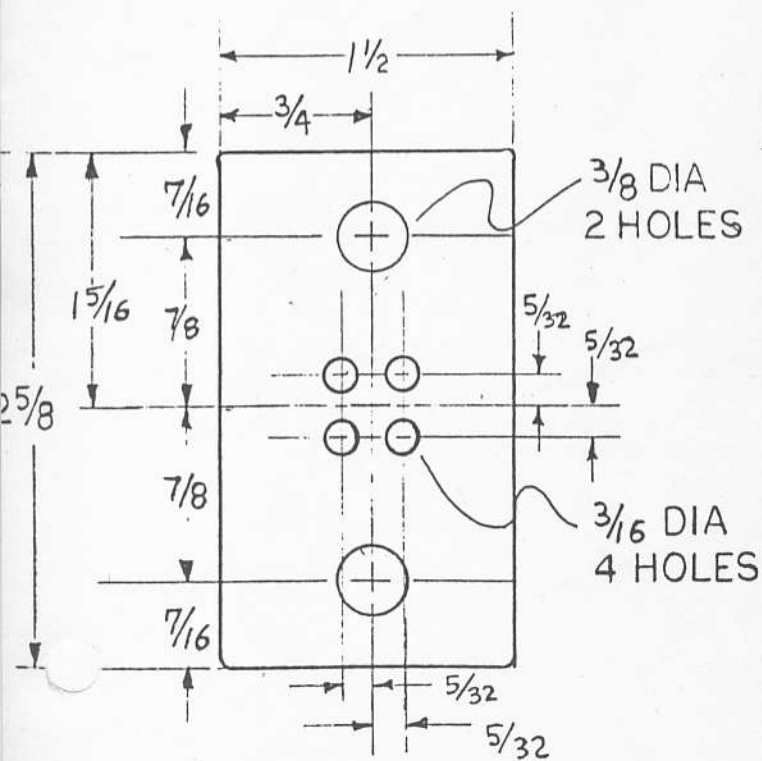


8 & 9 CFM

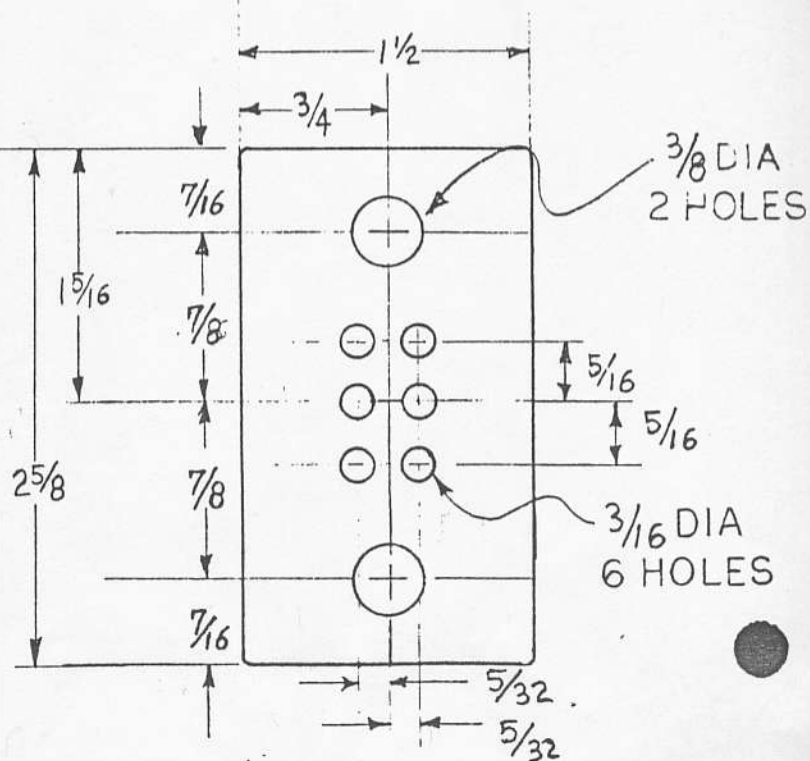


13, 16, 18 & 20 CFM

$\frac{1}{8}$ " COLD ROLLED STEEL

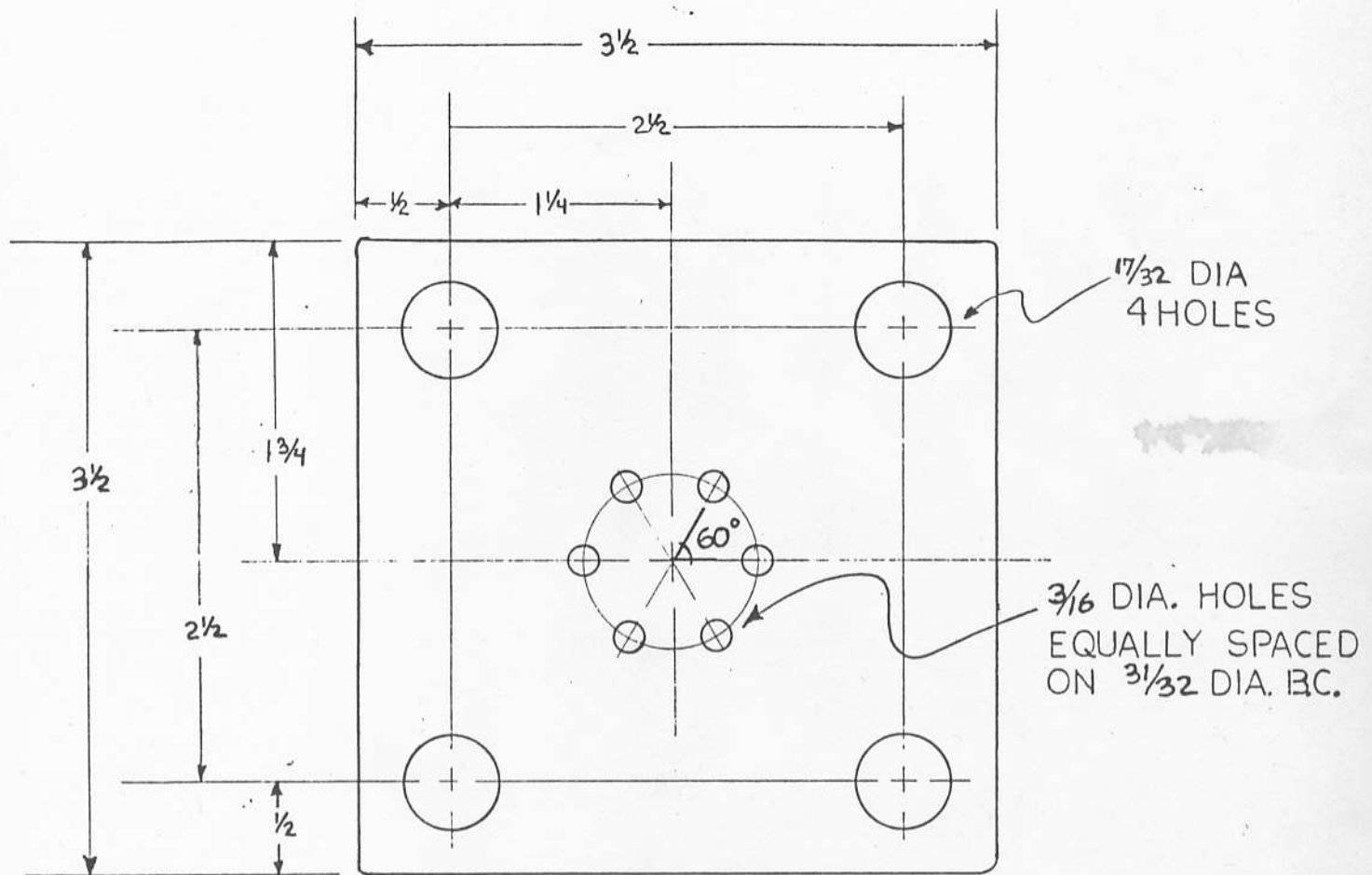


24 & 28 CFM

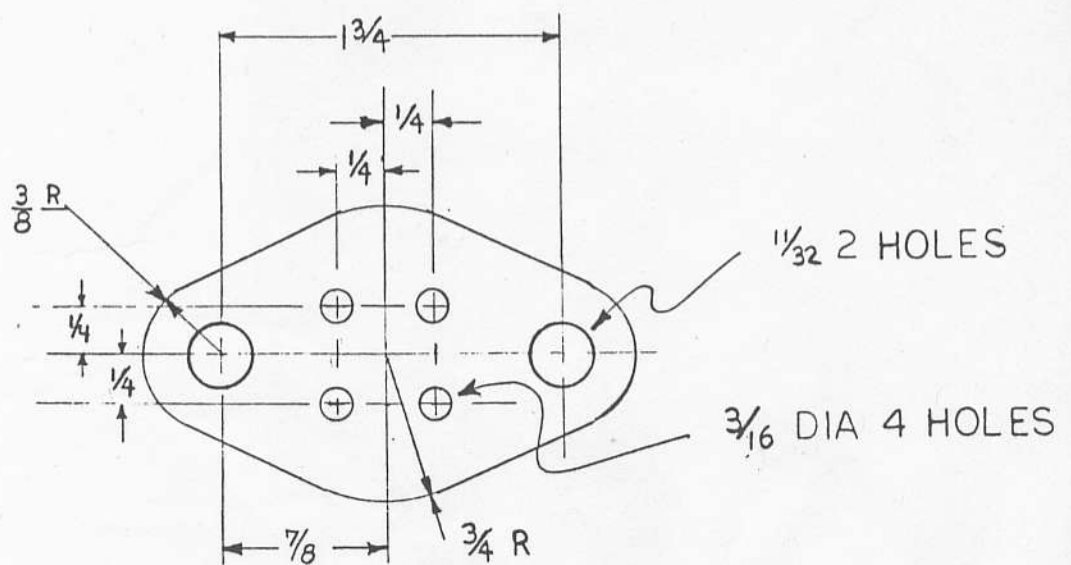


37 CFM

LOW TEMP

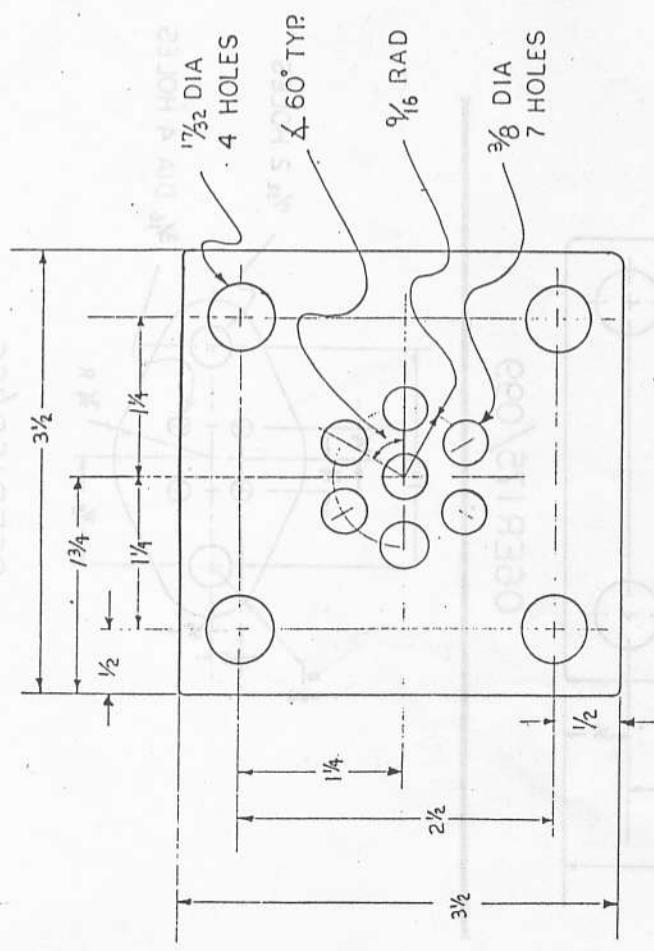


06ER175/099



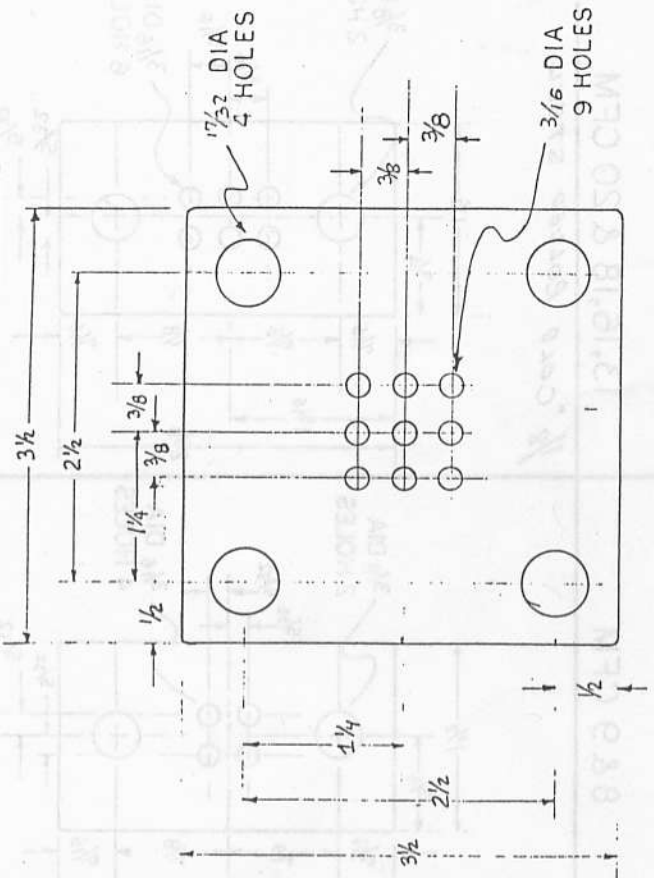
06ER150/166

A.C. DUTY

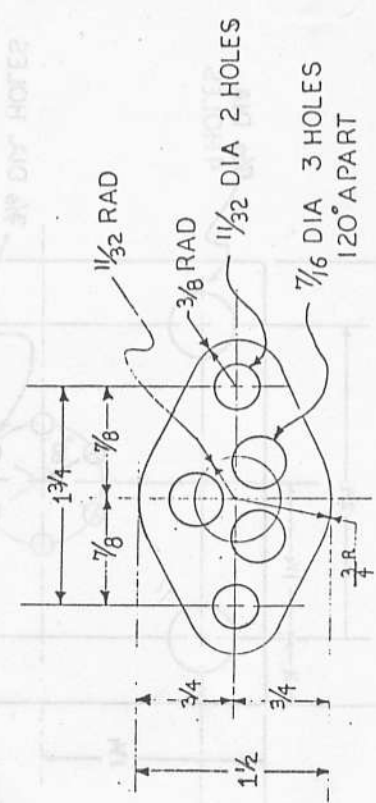


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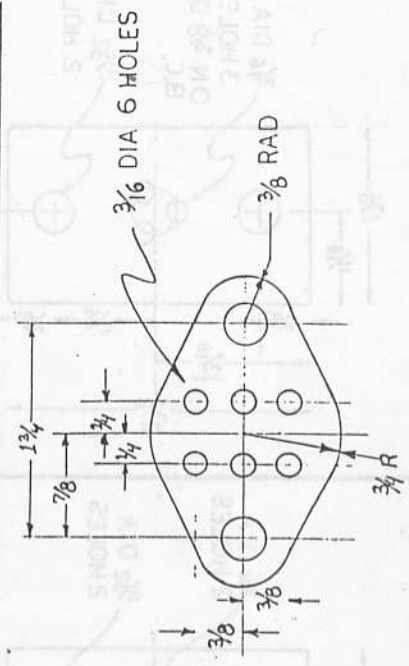
MEDIUM TEMP



06EM175/199

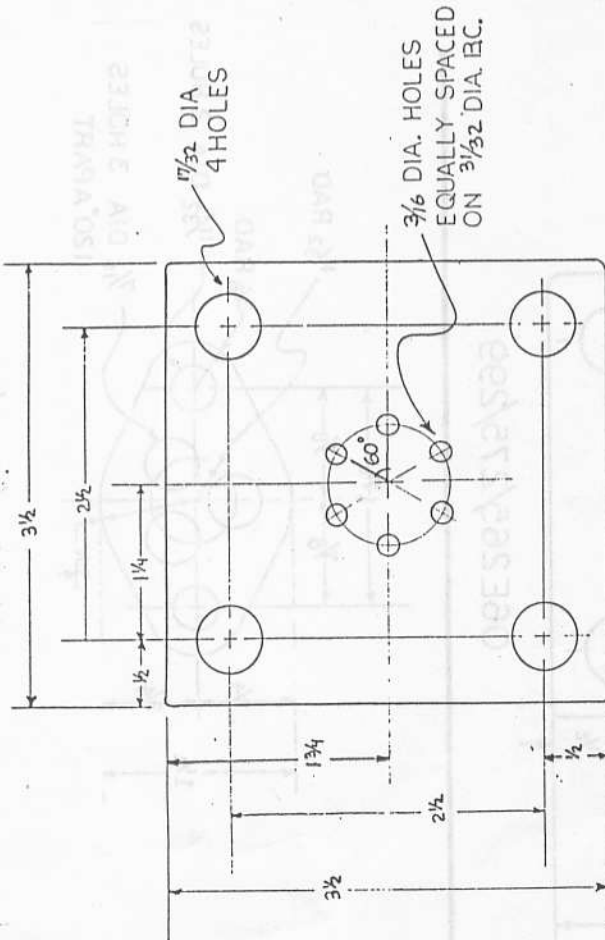


06E250/260/266

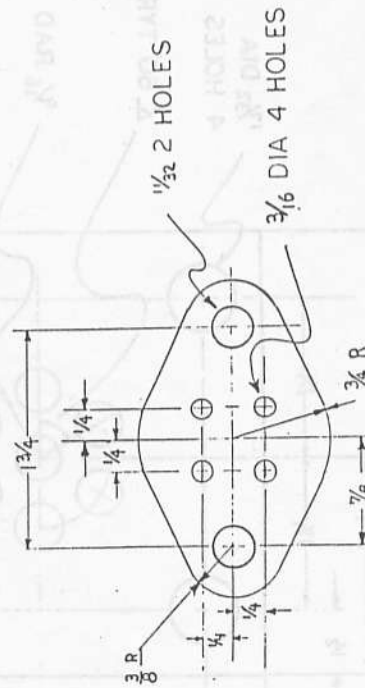


06EM150/266

LOW TEMP

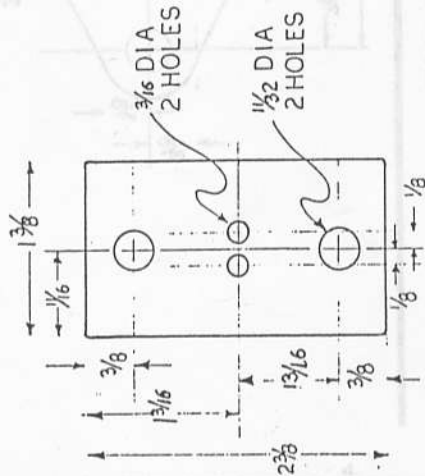


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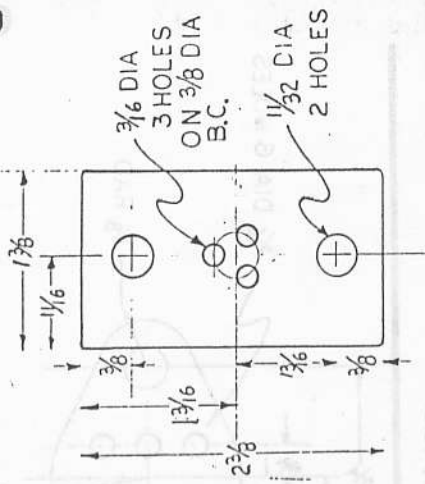


06ER150/166

06D

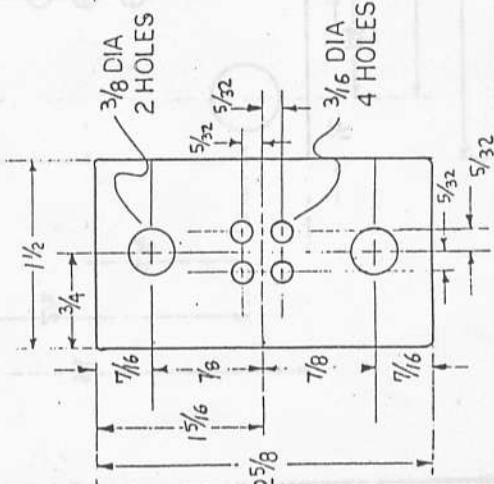


8 & 9 CFM

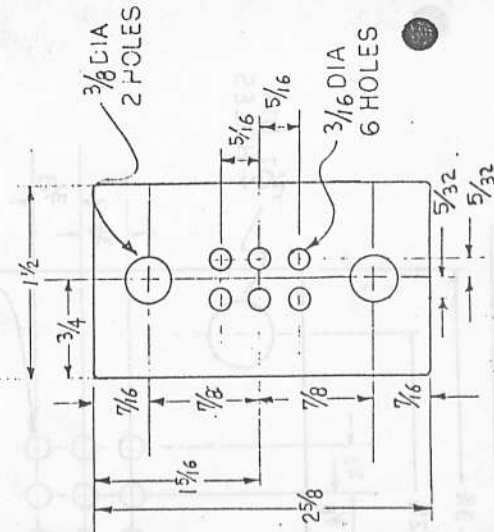


13,16,18 & 20 CFM

1/8" COLD ROLLED STEEL



24 & 28 CFM



37 CFM

172B