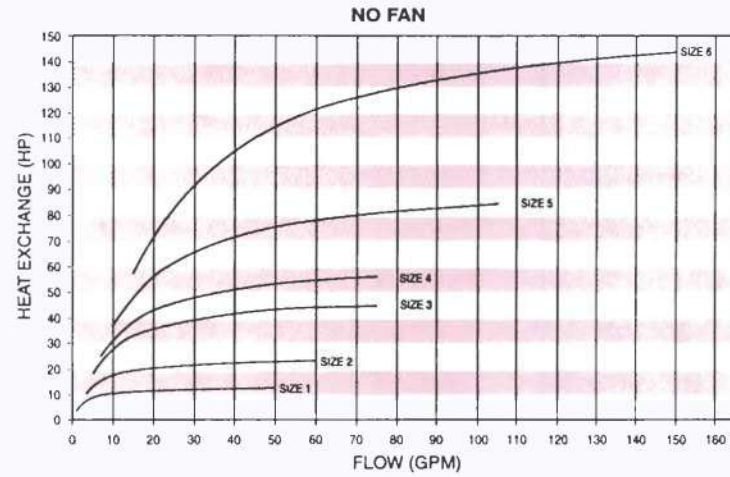
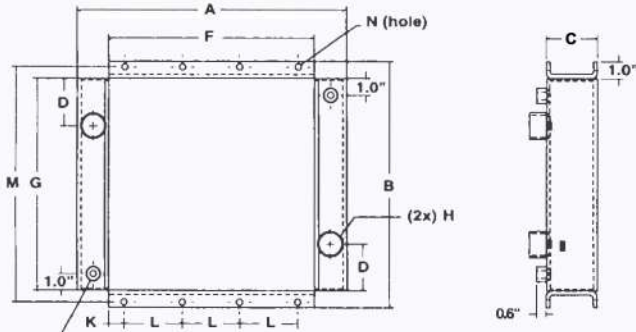


Aluminum Brazed Heat Exchanger Cores

*Used in applications where existing fans or air flow is available.

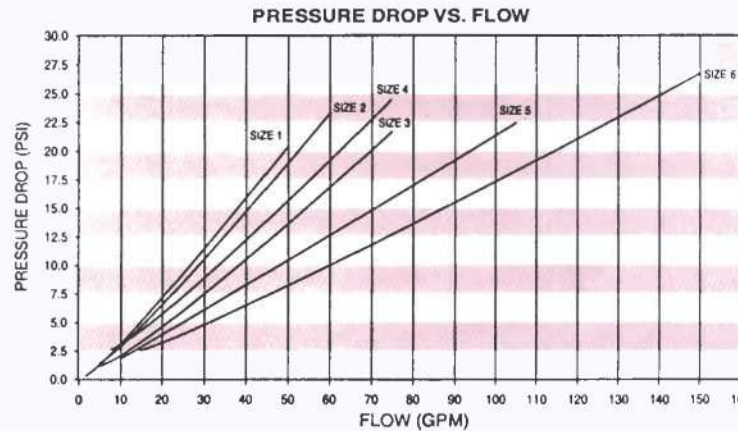
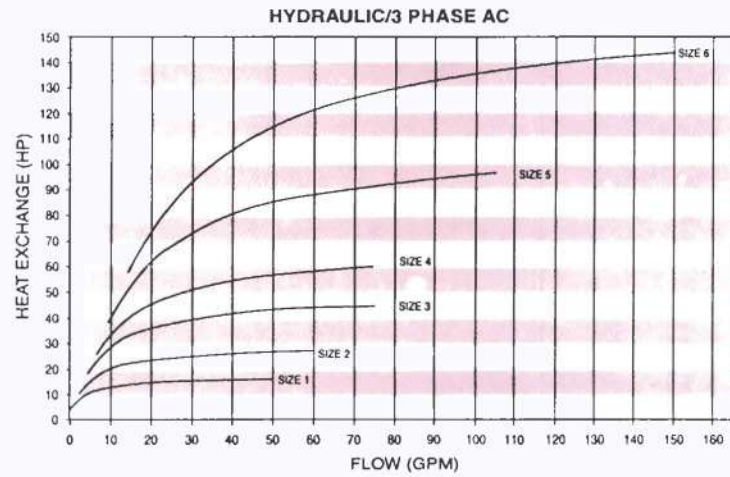
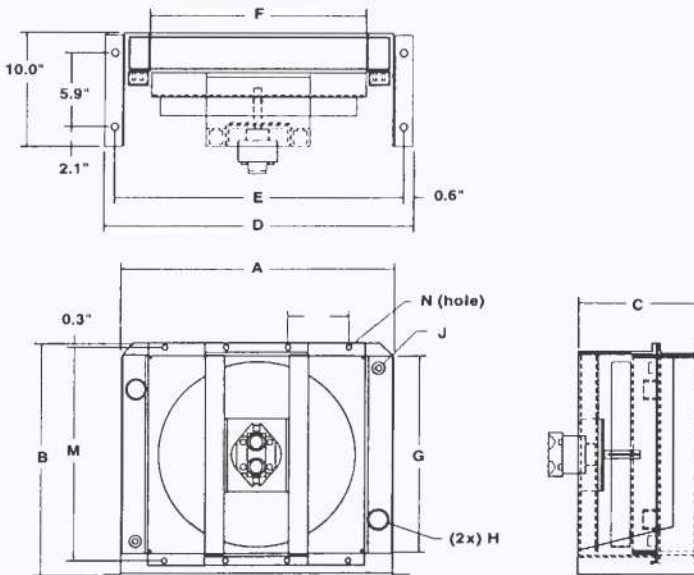


NO FAN																
Size	Part #	Model #	A	B	C	D	E	F	G	H	J	K	L	M	N	WEIGHT
1	500507	ABHX-0-1	16.5	14.4	3.1	2.8	-	12.6	12.4	#16 SAE	1/4" NPT	1.0	3.5	13.8	4 @	17
2	500514	ABHX-0-2	20.7	18.1	3.1	2.8	-	16.7	16.2	#20 SAE		1.3	4.7	17.5		
3	500518	ABHX-0-3	26.4	22.4	3.9	2.8	-	22.1	20.5	2" SAE		1.2	7.9	21.8	5 @	48
4	500523	ABHX-0-4	30.4	24.0	3.9	2.8	-	26.0	22.1			FLANGE	1.2	7.9		
5	500544	ABHX-0-5	36.9	29.8	5.5	7.8	-	29.0	27.8	FLANGE	1.0	8.8	29.1	5 @	110	
6	500525	ABHX-0-6	42.9	39.1	5.5	7.8	-	35.0	37.1		FLANGE	1.0	8.3			38.4

Aluminum Brazed Heat Exchanger - 230/460 VAC & Hydraulic

*Used in mobile or stationary applications where 3 phase AC or a hydraulic fan motor drive is required.

*Available with area specific motors.



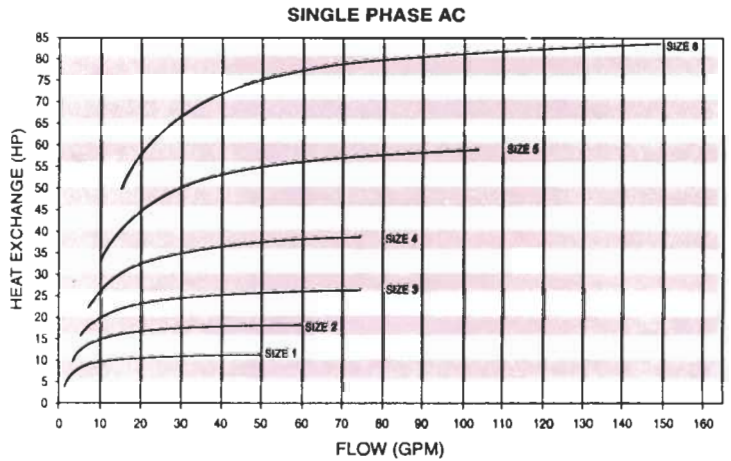
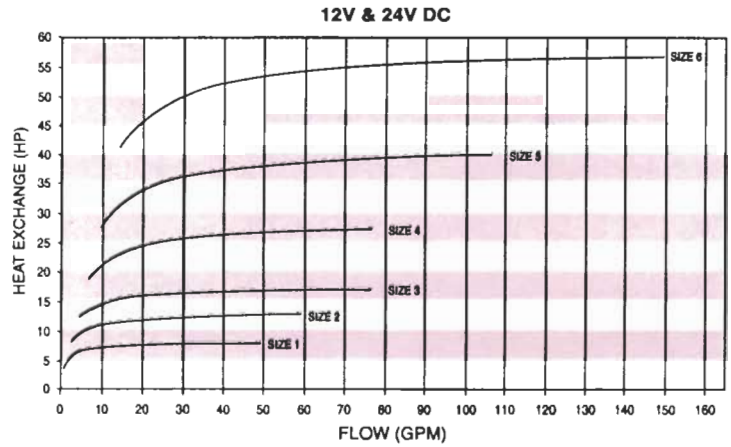
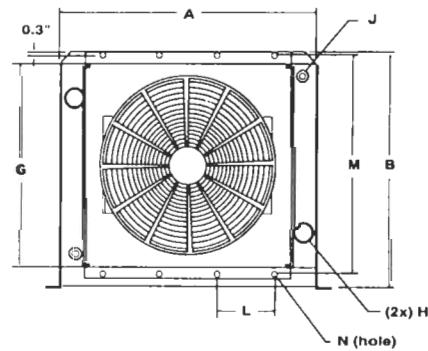
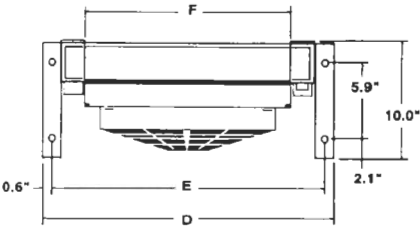
HYD										3 ph AC														
w/o Bracket					w/ Bracket					w/o Bracket					w/ Bracket									
Size	Part #	Model #	Part #	Model #	Part #	Model #	Part #	Model #	Part #	Model #	A	B	C	D	E	F	G	H	J	L	M	N	WEIGHT	FAN DATA
1	500872	ABHX-HYD-1	500731	ABHX-HYD-1-B	-	-	-	-	-	-	16.9	15.0	9.3	19.8	18.7	12.6	12.4	#16 SAE	-	3.5	13.8	4 @	42	12" Diameter
2	500874	ABHX-HYD-2	500559	ABHX-HYD-2-B	500878	ABHX-3PH-2	500854	ABHX-3PH-2-B	500854	ABHX-3PH-2-B	21.0	19.0	9.3	23.8	22.6	16.7	16.2	#16 SAE	-	4.7	17.5		63	15" Diameter
3	500892	ABHX-HYD-3	500707	ABHX-HYD-3-B	500895	ABHX-3PH-3	500852	ABHX-3PH-3-B	500852	ABHX-3PH-3-B	26.8	23.4	10.9	29.6	28.4	22.1	20.5	#20 SAE	1/4" NPT	7.9	21.8	Ø0.375"	88	19" Diameter
4	500897	ABHX-HYD-4	500709	ABHX-HYD-4-B	500899	ABHX-3PH-4	500848	ABHX-3PH-4-B	500848	ABHX-3PH-4-B	30.8	25.0	10.9	33.5	32.3	26.0	22.1	#20 SAE	-	7.9	23.4	120	21" Diameter	
5	500946	ABHX-HYD-5	500714	ABHX-HYD-5-B	500948	ABHX-3PH-5	500844	ABHX-3PH-5-B	500844	ABHX-3PH-5-B	42.3	30.0	17.6	42.0	40.3	29.0	27.8	2" SAE	-	6.8	29.1	4 @	185	27" Diameter
6	500951	ABHX-HYD-6	500901	ABHX-HYD-6-B	500953	ABHX-3PH-6	500841	ABHX-3PH-6-B	500841	ABHX-3PH-6-B	48.0	39.8	17.6	48.3	46.3	35.0	37.1	FLANGE	-	8.3	38.4	Ø0.375"	265	34" Diameter

ABHX Oil Coolers

Aluminum Braided Heat Exchanger - 12VDC, 24VDC & 120VAC

*Used in mobile and stationary applications where a 12VDC, 24VDC, or 120VAC powered fan is required.

*Available with optional core guard and mount bracket.



		1 ph AC																			
Size	Part #	Model #	Part #	Model #	A	B	C	D	E	F	G	H	J	L	M	N	WEIGHT	FAN DATA			
1	500870	ABHX-1PH-1	500871	ABHX-1PH-1-B	16.9	15.1	5.2	19.8	18.7	12.6	12.4	#16 SAE	1/4" NPT	-	3.5	13.8	4	35	1 @ 12" Dia.		
2	500875	ABHX-1PH-2	500698	ABHX-1PH-2-B	21.0	19.0	5.2	23.8	22.6	16.7	16.2	#20 SAE		-	4.7	17.5	4	45	1 @ 14" Dia.		
3	500891	ABHX-1PH-3	500696	ABHX-1PH-3-B	26.8	23.4	6.1	29.6	28.4	22.1	20.5	#20 SAE		-	7.9	21.8	Ø0.375"	68	1 @ 14" Dia.		
4	500896	ABHX-1PH-4	500695	ABHX-1PH-4-B	30.7	25.0	6.4	33.5	32.3	26.0	22.1	#20 SAE		-	7.9	23.4	5	95	2 @ 14" Dia.		
5	500947	ABHX-1PH-5	500722	ABHX-1PH-5-B	42.0	30.5	11.1	42.3	40.3	29.0	27.8	2" SAE		-	6.8	29.1	5	160	3 @ 14" Dia.		
6	500952	ABHX-1PH-6	500831	ABHX-1PH-6-B	48.0	40.0	12.7	48.3	46.3	35.0	37.1	FLANGE		-	8.3	38.4	Ø0.375"	240	4 @ 14" Dia.		
THINLINE	500739	ABHX-1PH-T	-	-	16.9	15.1	3.1	-	-	12.6	12.4	#16 SAE	-	3.5	13.8	4 @ .375"	30	1 @ 12" Dia.			

		12V DC		24V DC																			
Size	Part #	Model #	Part #	Model #	Part #	Model #	Part #	Model #	A	B	C	D	E	F	G	H	J	L	M	N	WEIGHT	FAN DATA	
1	500864	ABHX-12V-1	500867	ABHX-12V-1-B	500868	ABHX-24V-1	500869	ABHX-24V-1-B	16.9	15.1	5.2	19.8	18.7	12.6	12.4	#16 SAE	1/4" NPT	-	3.5	13.8	4	35	1 @ 12" Dia.
2	500876	ABHX-12V-2	500834	ABHX-12V-2-B	500877	ABHX-24V-2	500857	ABHX-24V-2-B	21.0	19.0	5.2	23.8	22.6	16.7	16.2	#16 SAE		-	4.7	17.5	4	45	1 @ 14" Dia.
3	500893	ABHX-12V-3	500836	ABHX-12V-3-B	500894	ABHX-24V-3	500851	ABHX-24V-3-B	26.8	23.4	6.1	29.6	28.4	22.1	20.5	#20 SAE		-	7.9	21.8	Ø0.375"	68	1 @ 14" Dia.
4	500898	ABHX-12V-4	500838	ABHX-12V-4-B	500900	ABHX-24V-4	500849	ABHX-24V-4-B	30.7	25.0	6.4	33.5	32.3	26.0	22.1	#20 SAE		-	7.9	23.4	5	95	2 @ 14" Dia.
5	500949	ABHX-12V-5	500840	ABHX-12V-5-B	500950	ABHX-24V-5	500845	ABHX-24V-5-B	42.0	30.5	11.1	42.0	40.3	29.0	27.8	2" SAE		-	6.8	29.1	5	160	3 @ 14" Dia.
6	500954	ABHX-12V-6	500859	ABHX-12V-6-B	500955	ABHX-24V-6	500860	ABHX-24V-6-B	48.0	40.0	12.7	48.3	46.3	35.0	37.1	FLANGE		-	8.3	38.4	Ø0.375"	240	4 @ 14" Dia.
THINLINE	500729	ABHX-12V-T	-	-	500730	ABHX-24V-T	-	-	16.9	15.1	3.1	-	-	12.6	12.4	#16 SAE	-	3.5	13.8	4 @ .375"	30	1 @ 12" Dia.	

Performance graphs based on the following parameters:

- Oil viscosity = 50 SSU
- 1000 ft. of elevation (lose about 2.5% per every 1000 ft)
- Heat load graph based on an ITD of 50 degrees F.
- 1000 FPM = air velocity (NO FAN)
- Ambient = 100° F
- ITD = inlet temperature differential

*Example: (inlet fluid temperature) - (ambient air temperature) = inlet temperature differential

- Heat load graph based on an ITD of 50 degrees F.
- ITD = inlet temperature differential

Sizing Information:

Hydraulic System Horsepower Equation: $HP = \frac{GPM \cdot PSI}{1714}$

System Heat Load (HP) = System HP * (30%)

Once heat load is established reference performance chart according to fluid flow and fan motor drive type.

If ITD is not 50° F, then prorate curves: $\frac{Graph\ Value}{50} \cdot Actual\ ITD = Projected\ Heat\ Exchange.$

Hayden

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