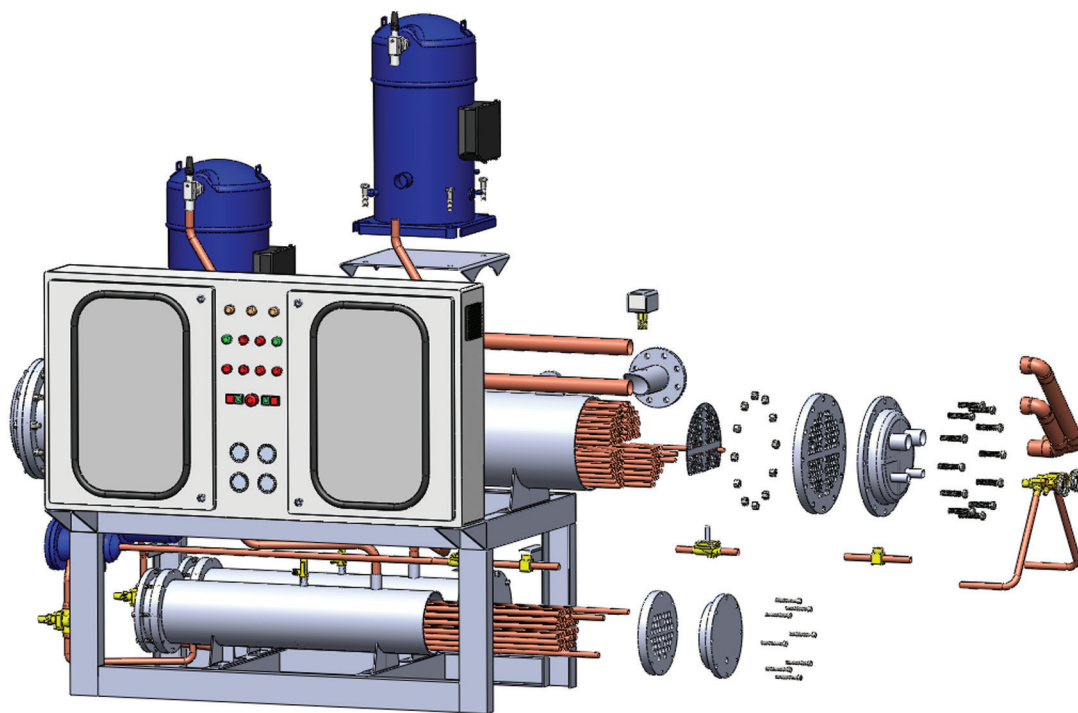


فرم دما

چیلر تراکمی اسکرال
SCROLL CHILLER

چیلر تراکمی اسکرال با ظرفیت (5 - 100) TON



**FDOLC**

Form Dama Scroll Liquid Chiller

چیلر اسکرال

چیلرهای اسکرال شرکت فرم دما جهت مصارف تجاری - صنعتی و پروسه های سرمایشی سیالات طراحی شده اند. این چیلرها دارای ظرفیت برودتی ۱۰-۱۰۰ تن تبرید می باشند. به طور کلی کندانسورهای این چیلرها دارای دو سیستم می باشد یکی کندانسور آبی که با توجه به شرایط محیطی و سایر پارامترها انتخاب می شود و دیگری کندانسورهای هوایی که موارد استفاده فراوانی در سیستمهای تهویه مطبوع و محیط های صنعتی دارد و دارای هزینه های تعمیر و نگهداری پایین است. چیلرهای اسکرال شرکت فرم دما برای دستیابی به بالاترین راندمان طراحی شده اند به طوریکه طراحی اواپراتور و کندانسور آنها با نرم افزار HTFS موجب میشود که بالاترین راندمان از کمپرسور گرفته شود.

ساختار کلی چیلرهای اسکرال بنا به برخی مزایا، اندکی از چیلرهای اسکرو ساده تر است. به عنوان مثال این گونه چیلرها نیازمند جداکننده روغن نیستند و به دلیل صدا و ارتعاش کم احتیاجی به صداگیر و یا صدا خفه کن ندارند. اگرچه چیلرهای اسکرال تا ظرفیت ۳۰۰ تن تبرید هم مورد استفاده قرار می گیرند، ولی به دلیل کم بودن ظرفیت هر واحد کمپرسور تعداد آنها زیاد می شود. بنابراین برای ظرفیت های زیاد، کمتر از چیلرهای اسکرال استفاده میشود. چیلرهای سیلندر-پيستونی و یا اسکرو با کمپرسورهایی با ظرفیتهای زیاد برای کنترل بار نیازمند قطعات متحرک و سیستم خاصی هستند، اما چیلرهای اسکرال با توجه به کم ظرفیت بودن کمپرسورهای آنها نیازمند سیستم بی بار کننده ویژه ای نیستند و در صورت وقوع بار جزئی، یک یا چند کمپرسور خاموش میشوند.

اواپراتور و کندانسور مورد استفاده در چیلرهای شرکت فرم دما بر اساس استاندارد Tubular Exchanger Manufacturers Association (TEMA) طراحی و ساخته می شوند. همچنین محاسبات مکانیکی این مبدل طبق استاندارد ASME. SECVIII DIV.1 انجام می شود. محاسبات حرارتی اواپراتور و کندانسور چیلرهای شرکت فرم دما با نرم افزار بسیار معتبر HTFS محصول کشور انگلستان انجام می شود که یکی از معتبر ترین و بهترین نرم افزارهای طراحی حرارتی مبدل سراسر جهان می باشد.

مزایای چیلرهای اسکرال شرکت فرم دما

- مصرف بسیار پایین برق
- COP بالا
- بدون لرزش و ارتعاش (به دلیل حرکت چرخشی عمل فشرده شدن گاز به صورت یکنواخت انجام می شود و از لرزش در هنگام ورود و خروج گاز جلوگیری می شود)
- تعداد کم قطعات متحرک و طول عمر بالا
- زیر بار رفتن به صورت تدریجی
- قابلیت کنترل عملکرد سیستم با استفاده از PLC

روش انتخاب چیلرهای شرکت فرم دما

جهت انتخاب یک دستگاه چیلر مشخصات آب سرد در گردش سیستم سرمایشی باید معلوم باشد این مشخصات شامل دبی آب مدار سرمایش و مقدار تغییرات دمای آب است که این مطالب مقدار توان چیلر را نیز مشخص می کند. علاوه بر این مشخصات شرایط محیطی جهت انتخاب کندانسور و انتخاب چیلر بسیار مهم است. برای برج های خنک کن مقدار سرمایش امکان پذیر با توجه به شرایط محیطی و برای کندانسور هوایی دمای سطح کندانسور جهت انتخاب چیلر و تعیین ظرفیت آن مورد استفاده میگيرند.

در چیلر های فرم دما که مشخصات آن در جداول پیوست آمده است نکات زیر مد نظر بوده است:

۱. به ازای هر تن برودتی میزان 2.4GPM و افت دمای 10°F برای اواپراتور در نظر گرفته شده است.
۲. به ازای هر تن برودتی میزان 3GPM و افزایش دمای 10°F برای کندانسور در نظر گرفته شده است.
۳. مقدار Fouling Factor برای کندانسور و اواپراتور 0.00025 در نظر گرفته شده است.

مثال چیلر با کندانسور آبی

دبی آب مورد نیاز جهت سرمایش 50GPM

دمای آب ورودی به اواپراتور 55°F

دمای آب خروجی از اواپراتور 45°F

دمای آب ورودی به برج خنک کننده 95°F

دمای آب خروجی از برج خنک کن 85°F

$$\text{TON} = (\text{GPM} \times \text{اختلاف دمای آب سرد}) / 24 = 20.8 \text{ TON}$$

FDOLC-25-1W مدل → 20.8 TON = توان واقعی

جهت انتخاب دستگاه باید تناژ واقعی دستگاه را محاسبه کنیم

SCROLL CHILLER

FDOLC-5-1W								جدول 1-1
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
4.4	3.0	43	10.2	7.3	85	11.8	2.8	
4.5	3.0	44	10.5	7.6		12.1	2.9	
4.6	3.0	45	10.7	7.9		12.4	3.0	
4.8	3.0	46	10.9	8.2		12.6	3.1	
4.2	3.1	43	10.1	6.8	90	11.6	2.7	
4.2	3.1	44	10.4	7.1		11.8	2.8	
4.3	3.2	45	10.6	7.4		12.0	2.8	
4.4	3.2	46	10.7	7.8		12.2	2.9	
4.1	3.2	43	9.9	6.5	95	11.4	2.5	
4.3	3.3	44	10.2	6.8		11.6	2.6	
4.3	3.3	45	10.4	7.1		11.8	2.7	
4.4	3.3	46	10.5	7.4		12.0	2.8	
4.0	3.4	43	9.6	6.2	100	11.3	2.4	
4.1	3.4	44	9.8	6.5		11.5	2.5	
4.2	3.5	45	10.0	6.7		11.7	2.6	
4.3	3.5	46	10.2	7.0		11.9	2.7	
3.9	3.6	43	9.2	5.8	105	11.2	2.3	
4.0	3.7	44	9.5	6.1		11.5	2.4	
4.1	3.7	45	9.7	6.4		11.7	2.5	
4.1	3.7	46	9.9	6.7		11.8	2.6	

FDOLC-5-1A								جدول 2-1
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
3.9	3.6	43	9.5	1.3	115			55.9
4.0	3.6	44	9.6	1.3				56.8
4.0	3.6	45	9.8	1.4				57.8
4.1	3.6	46	10.0	1.4				58.7
3.8	3.8	43	9.2	1.2	120			55.1
3.8	3.8	44	9.3	1.2				56.0
3.9	3.8	45	9.5	1.3				57.0
4.0	3.8	46	9.7	1.4				57.9
3.7	4.0	43	8.9	1.2	125			54.4
3.7	4.0	44	9.1	1.2				55.3
3.8	4.0	45	9.2	1.3				56.2
4.0	4.1	46	9.4	1.4				57.1
3.7	4.3	43	8.6	1.0	130			53.8
3.8	4.3	44	8.8	1.1				54.6
3.8	4.4	45	8.9	1.1				55.5
3.9	4.4	46	9.1	1.2				56.4
3.5	4.6	43	8.4	1.0	135			53.4
3.6	4.6	44	8.5	1.0				54.2
3.6	4.7	45	8.6	1.0				55.1
3.7	4.7	46	8.8	1.1				56.0

FDOLC-10-1W								جدول 1-2
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
8.9	6.0	43	21.4	2.7	85	24.7	7.1	
9.1	6.0	44	21.8	2.8		25.2	7.5	
9.3	6.1	45	22.2	2.9		25.6	7.9	
9.6	6.1	46	22.7	3.0		26.0	8.2	
8.7	6.3	43	21.0	2.6	90	24.6	7.1	
8.8	6.3	44	21.5	2.8		25.0	7.4	
9.0	6.3	45	21.9	2.9		25.5	7.6	
9.2	6.3	46	22.3	3.0		26.0	7.7	
8.6	6.7	43	20.5	2.5	95	24.1	6.9	
8.8	6.7	44	21.0	2.6		24.6	7.2	
8.9	6.8	45	21.4	2.7		25.0	7.4	
9.1	6.8	46	21.9	2.8		25.4	7.5	
8.2	7.1	43	19.9	2.3	100	23.8	6.8	
8.4	7.1	44	20.3	2.5		24.3	7.1	
8.6	7.1	45	20.7	2.6		24.7	7.3	
8.8	7.2	46	21.2	2.7		25.0	7.4	
8.1	7.6	43	19.3	2.2	105	23.4	6.6	
8.3	7.6	44	19.7	2.3		23.8	6.9	
8.5	7.7	45	20.2	2.4		24.2	7.1	
8.6	7.7	46	20.6	2.5		24.7	7.2	

FDOLC-10-1A								جدول 2-2
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
8.3	7.6	43	20.0	2.3	115			117.3
8.4	7.6	44	20.3	2.4				119.1
8.6	7.6	45	20.7	2.4				121.0
8.7	7.6	46	21.1	2.5				129.9
8.1	8.0	43	19.5	2.2	120			116.0
8.2	8.0	44	19.8	2.2				117.8
8.3	8.0	45	20.1	2.4				119.6
8.5	8.0	46	20.5	2.5				121.5
7.9	8.5	43	18.9	2.0	125			114.7
8.0	8.5	44	19.2	2.1				116.4
8.1	8.6	45	19.5	2.2				118.6
8.2	8.6	46	19.9	2.3				121.5
7.6	9.0	43	18.4	1.8	130			113.6
7.7	9.0	44	18.6	1.9				115.2
7.8	9.0	45	18.9	2.0				116.9
8.0	9.0	46	19.3	2.1				117.6
7.4	10.1	43	17.2	1.8	135			112.6
7.5	10.1	44	17.4	1.9				114.0
7.6	10.1	45	17.7	2.0				115.6
7.8	10.1	46	18.1	2.0				117.3

FDOLC-15-1W 1-3 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
13.4	9.1	43	32.0	3.8	85	36.6	7.5
13.7	9.1	44	32.5	3.9		37.2	7.9
14.0	9.1	45	33.1	4.0		37.8	8.2
14.3	9.1	46	33.9	4.2		38.4	8.4
12.9	9.6	43	31.3	3.6	90	36.1	7.4
13.2	9.6	44	31.8	3.7		36.7	7.7
13.5	9.6	45	32.4	3.8		37.3	8.0
13.8	9.6	46	33.1	4.0		37.9	8.2
12.8	10.2	43	30.6	3.5	95	35.9	7.3
13.1	10.2	44	31.1	3.7		36.6	7.6
13.4	10.2	45	31.7	3.8		37.2	7.8
13.7	10.2	46	32.3	3.9		37.8	8.0
12.5	10.9	43	29.9	3.3	100	35.6	7.1
12.8	10.9	44	30.5	3.4		36.2	7.4
13.1	10.9	45	31.1	3.5		36.8	7.6
13.3	10.9	46	31.7	3.6		37.3	7.8
12.1	11.5	43	28.8	3.2	105	35.1	6.9
12.4	11.5	44	29.5	3.3		35.7	7.3
12.7	11.5	45	30.1	3.5		36.4	7.5
12.9	11.5	46	30.7	3.6		36.9	7.7

FDOLC-15-1A 2-3 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
12.5	11.3	43	30.1	3.3	115	175.7	
12.7	11.3	44	30.6	3.4		178.4	
12.9	11.3	45	31.1	3.5		181.2	
13.1	11.3	46	31.7	3.7		184.0	
12.2	12.0	43	28.4	3.1	120	174.1	
12.4	12.0	44	29.8	3.2		176.8	
12.6	12.0	45	30.3	3.3		179.5	
12.8	12.0	46	30.9	3.5		182.2	
11.8	12.7	43	28.6	3.0	125	172.5	
12.0	12.7	44	29.0	3.1		175.1	
12.2	12.7	45	29.5	3.2		177.7	
12.5	12.7	46	30.1	3.3		180.4	
11.5	13.5	43	27.8	2.8	130	171.0	
11.7	13.5	44	28.2	2.9		173.4	
11.9	13.5	45	28.6	3.0		176.0	
12.1	13.5	46	29.2	3.1		178.6	
11.2	14.4	43	26.9	2.6	135	169.6	
11.4	14.4	44	27.3	2.7		171.8	
11.5	14.4	45	27.7	2.8		174.3	
11.7	14.4	46	28.3	2.8		176.8	

FDOLC-20-1W 1-4 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
17.2	12.1	43	41.4	6.0	85	47.6	9.5
17.5	12.1	44	42.1	6.2		48.3	9.9
17.8	12.1	45	42.9	6.4		49.1	10.1
18.2	12.1	46	43.0	6.7		49.9	10.3
16.8	12.7	43	40.4	5.7	90	47.0	9.2
17.0	12.7	44	41.0	5.9		47.7	9.4
17.3	12.7	45	41.8	6.1		48.5	9.7
17.7	12.7	46	42.7	6.4		49.3	10.1
16.4	13.3	43	39.5	5.0	95	46.8	9.0
16.6	13.3	44	40.0	5.6		47.1	9.2
16.9	13.4	45	40.8	5.8		47.9	9.5
17.3	13.4	46	41.6	6.0		48.7	9.8
15.9	14.1	43	38.3	5.2	100	46.0	8.8
16.2	14.1	44	39.1	5.3		46.6	9.0
16.5	14.1	45	39.8	5.5		47.3	9.3
16.8	14.1	46	40.6	5.8		48.1	9.6
15.6	14.9	43	37.5	4.8	105	45.3	8.6
16.0	14.9	44	38.0	5.0		46.1	8.8
16.3	14.9	45	38.8	5.2		46.8	9.1
16.6	14.9	46	39.5	5.4		47.5	9.4

FDOLC-20-1A 2-4 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
15.1	14.7	43	38.8	15.2	115	227.1	
16.4	14.8	44	39.4	15.4		230.6	
16.6	14.8	45	40.0	15.6		234.2	
17.0	14.8	46	40.8	15.8		237.9	
15.7	15.6	43	37.8	5.0	120	224.9	
16.0	15.6	44	38.4	5.1		228.3	
16.2	15.7	45	39.0	5.3		231.8	
16.5	15.7	46	39.8	5.5		235.4	
15.3	16.5	43	36.8	4.7	125	222.5	
15.5	16.5	44	37.4	4.9		225.9	
15.8	16.6	45	38.0	5.0		229.4	
16.1	16.6	46	38.7	5.2		232.9	
14.8	17.5	43	35.7	4.4	130	220.1	
15.1	17.5	44	36.3	4.6		223.5	
15.3	17.6	45	36.8	4.7		226.9	
15.6	17.6	46	37.6	4.9		230.4	
14.2	19.8	43	34.3	4.1	135	217.4	
14.6	19.8	44	35.1	4.3		220.9	
14.8	19.8	45	35.6	4.5		224.2	
15.1	19.8	46	36.4	4.7		227.7	

SCROLL CHILLER

FDOLC-25-1W								جدول 1-5
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
20.4	14.1	43	49.0	6.4	85	56.3	14.1	
20.9	14.1	44	49.8	6.7		57.3	14.7	
21.3	14.2	45	50.8	6.8		58.3	15.2	
21.7	14.2	46	51.8	7.1		59.3	15.8	
19.9	14.9	43	47.8	6.0	90	55.7	13.8	
20.3	14.9	44	48.6	6.2		56.7	14.4	
20.8	14.9	45	49.6	6.5		57.5	14.9	
21.2	14.9	46	50.6	6.7		58.6	15.4	
19.5	15.7	43	46.5	5.8	95	55.0	13.6	
19.9	15.7	44	47.5	6.1		56.0	14.0	
20.3	15.8	45	48.4	6.3		56.9	14.5	
20.7	15.8	46	49.4	6.5		57.9	15.0	
18.9	16.6	43	45.4	5.5	100	54.4	13.2	
19.4	16.6	44	46.5	5.7		55.4	13.7	
19.8	16.6	45	47.4	6.0		56.3	14.2	
20.2	16.7	46	48.4	6.3		57.2	14.7	
18.5	17.6	43	44.1	5.2	105	53.9	13.0	
18.8	17.6	44	45.1	5.4		54.8	13.5	
19.3	17.7	45	46.1	5.6		55.7	13.9	
19.7	17.7	46	47.0	5.9		56.6	14.3	

FDOLC-25-1A								جدول 2-5
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
19.2	17.5	43	30.3	5.5	115	269.3		
19.5	17.5	44	30.5	5.7		273.5		
19.8	17.6	45	30.9	5.9		277.8		
20.2	17.6	46	31.4	6.2		282.3		
18.7	18.5	43	31.8	5.3	120	267.0		
19.0	18.5	44	31.9	5.5		271.1		
19.3	18.6	45	32.0	5.6		275.4		
19.7	18.6	46	32.2	5.9		279.7		
18.2	19.6	43	32.7	5.1	125	264.9		
18.5	19.6	44	32.8	5.2		268.8		
18.8	19.7	45	32.9	5.4		273.0		
19.2	19.7	46	33.0	5.6		277.1		
17.7	20.8	43	34.7	4.8	130	262.8		
18.0	20.8	44	34.8	5.9		266.6		
18.3	20.8	45	34.9	5.1		270.6		
18.7	20.9	46	35.0	5.3		274.7		
17.1	22.1	43	36.0	4.5	135	260.5		
17.5	22.1	44	36.2	4.8		264.4		
17.7	22.1	45	36.4	4.9		268.3		
18.1	22.1	46	36.6	5.1		272.3		

FDOLC-10-2W								جدول 1-6
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
8.5	5.9	43	20.5	2.4	85	23.7	2.8	
8.7	6.0	44	20.9	2.5		24.0	2.9	
8.8	6.0	45	21.4	2.6		24.4	3.0	
9.0	6.0	46	21.8	2.7		24.8	3.1	
8.3	6.1	43	19.9	2.4	90	23.4	2.7	
8.6	6.2	44	20.4	2.5		23.7	2.8	
8.8	6.2	45	20.8	2.6		24.1	2.9	
8.9	6.3	46	21.2	2.7		24.5	3.0	
8.1	6.5	43	19.6	2.2	95	23.0	2.7	
8.4	6.5	44	20.1	2.3		23.3	2.8	
8.6	6.6	45	20.3	2.4		23.8	2.9	
8.8	6.6	46	20.7	2.5		24.2	3.0	
7.9	6.8	43	19.0	2.1	100	22.6	2.6	
8.2	6.9	44	19.5	2.2		23.0	2.7	
8.3	6.9	45	19.7	2.3		23.4	2.8	
8.4	7.0	46	20.1	2.4		23.8	2.9	
7.7	7.3	43	18.4	2.0	105	22.4	2.5	
7.9	7.3	44	18.9	2.1		22.7	2.6	
8.1	7.4	45	19.1	2.2		23.0	2.7	
8.2	7.4	46	19.4	2.3		23.4	2.8	

FDOLC-10-2A								جدول 2-6
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
8.0	7.5	43	19.1	2.2	115	112.0		
8.3	7.5	44	19.5	2.3		113.8		
8.5	7.5	45	19.9	2.4		115.6		
8.6	7.6	46	20.2	2.5		117.5		
7.7	7.7	43	18.6	2.0	120	110.4		
7.8	7.7	44	19.0	2.2		112.2		
8.1	7.7	45	19.3	2.2		114.0		
8.2	7.8	46	19.6	2.4		115.8		
7.5	8.1	43	18.0	1.9	125	109.0		
7.7	8.1	44	18.4	2.0		110.8		
7.9	8.2	45	18.7	2.1		112.6		
7.8	8.2	46	19.0	2.2		114.4		
7.1	8.6	43	17.4	1.8	130	107.7		
7.4	8.6	44	17.8	1.9		109.5		
7.6	8.6	45	18.1	1.9		111.3		
7.7	8.7	46	18.3	2.0		113.1		
6.8	9.2	43	16.9	1.6	135	106.8		
6.9	9.2	44	17.2	1.7		108.5		
7.1	9.2	45	17.5	1.8		110.2		
7.2	9.2	46	17.9	1.9		112.0		

FDOLC-20-2W 1-7 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
18.0	12.0	43	42.0	5.3	85	49.2	7.2
18.2	12.0	44	43.8	5.4		50.0	7.4
18.5	12.1	45	44.6	5.7		51.0	7.7
18.9	12.1	46	45.5	5.9		51.7	8.0
17.5	12.8	43	41.9	5.0	90	48.7	7.1
17.7	12.8	44	42.7	5.1		49.4	7.4
18.1	12.9	45	43.5	5.4		50.2	7.7
18.4	12.9	46	44.4	5.6		51.1	7.9
17.0	13.5	43	40.9	4.8	95	48.2	6.9
17.3	13.5	44	41.6	4.9		48.8	7.0
17.6	13.5	45	42.4	5.1		49.6	7.3
18.0	13.5	46	43.3	5.3		50.4	7.5
16.5	14.4	43	39.8	4.6	100	47.5	6.8
16.8	14.4	44	40.5	4.8		48.2	7.1
17.1	14.4	45	41.3	5.0		49.0	7.3
17.5	14.4	46	42.1	5.2		49.8	7.5
16.0	15.2	43	38.7	4.3	105	46.9	6.6
16.3	15.2	44	39.3	4.5		47.6	6.9
16.7	15.2	45	40.1	4.6		48.4	7.1
17.0	15.3	46	41.0	4.7		49.1	7.3

FDOLC-20-2A 2-7 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
16.8	15.4	43	40.2	4.6	115	234.9	
17.1	15.5	44	40.9	4.8		238.6	
17.4	15.5	45	41.5	5.0		242.3	
17.7	15.5	46	42.3	5.1		246.0	
16.3	16.2	43	39.1	4.3	120	232.2	
16.6	16.2	44	39.8	4.5		236.0	
16.9	16.2	45	40.4	4.7		239.7	
17.2	16.2	46	41.1	4.9		243.4	
15.8	17.4	43	38.0	4.1	125	229.7	
16.1	17.4	44	38.7	4.4		233.4	
16.4	17.4	45	39.3	4.6		236.8	
16.7	17.4	46	40.1	4.7		240.4	
15.3	18.1	43	36.8	3.9	130	227.2	
15.6	18.2	44	37.5	4.1		230.8	
15.9	18.2	45	38.1	4.2		234.3	
16.2	18.3	46	39.0	4.3		238.0	
14.9	20.5	43	35.6	3.6	135	222.1	
15.1	20.5	44	36.3	3.8		225.8	
15.4	20.5	45	36.8	3.9		228.6	
15.6	20.5	46	37.6	4.0		232.2	

FDOLC-30-2W 1-8 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
26.8	18.1	43	64.1	11.9	85	73.3	7.5
27.3	18.1	44	65.3	12.2		74.5	7.7
27.9	18.1	45	66.5	12.7		75.8	8.0
28.4	18.1	46	67.8	13.2		77.0	8.2
26.1	19.1	43	62.4	11.4	90	72.5	7.4
26.7	19.1	44	63.9	11.9		73.7	7.5
27.2	19.1	45	65.2	12.3		74.9	7.8
27.7	19.1	46	66.5	12.8		76.1	8.0
25.4	20.1	43	61.0	10.8	95	71.7	7.2
25.9	20.1	44	62.4	11.1		72.9	7.4
26.4	20.1	45	63.6	11.6		74.0	7.6
26.9	20.1	46	64.9	12.0		75.2	7.9
24.7	21.3	43	59.2	10.3	100	71.0	7.1
25.2	21.3	44	60.7	10.6		72.1	7.3
25.7	21.3	45	61.8	11.0		73.2	7.5
26.2	21.3	46	63.1	11.4		74.4	7.8
24.2	22.6	43	58.0	9.6	105	70.2	6.9
24.6	22.6	44	59.1	10.0		71.3	7.1
25.0	22.6	44	60.2	10.4		72.5	7.4
25.5	22.6	44	61.4	10.8		73.6	7.5

FDOLC-30-2A 2-8 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
25.1	22.8	43	60.3	10.5	115	351.8	
25.6	22.9	44	61.4	10.9		357.4	
26.1	22.9	45	62.5	11.2		363.0	
26.5	22.9	46	63.6	11.7		368.6	
24.5	24.4	43	58.7	10.0	120	348.4	
25.0	24.4	44	59.8	10.4		354.0	
25.4	24.4	45	60.9	10.8		359.6	
25.9	24.5	46	62.0	11.3		365.0	
23.8	25.7	43	57.3	9.5	125	345.1	
24.3	25.8	44	58.4	9.9		350.7	
24.7	25.8	45	59.5	10.3		355.3	
25.2	25.8	46	60.6	10.7		360.9	
23.2	27.3	43	55.5	8.9	130	342.0	
23.7	27.3	44	56.6	9.3		347.6	
24.1	27.4	45	57.7	9.7		352.3	
24.5	27.4	46	58.8	10.1		357.9	
22.5	30.5	43	53.8	8.4	135	338.7	
22.9	30.6	44	54.9	8.8		343.9	
23.3	30.6	45	55.8	9.1		348.6	
23.7	30.6	46	56.9	9.4		353.8	

SCROLL CHILLER

FDOLC-40-2W					جدول 1-9		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
40.7	28.0	43	98.0	16.5	85	111.5	14.0
41.5	28.2	44	99.6	17.1		114.2	14.6
42.3	28.2	45	101.7	17.7		116.3	15.2
43.2	28.4	46	103.8	18.4		118.3	15.7
39.8	29.7	43	95.6	15.7	90	111.0	13.8
40.6	29.8	44	97.4	16.2		113.0	14.3
41.4	29.9	45	99.5	17.0		115.0	14.8
42.1	30.0	46	101.5	17.6		116.8	15.3
48.8	31.3	43	93.4	15.0	95	110.0	13.4
49.6	31.5	44	95.2	15.5		111.7	14.0
40.4	31.5	45	96.8	16.1		113.5	14.5
41.1	31.6	46	98.8	16.7		115.5	15.0
37.9	33.0	43	91.0	14.2	100	108.9	13.3
38.6	33.1	44	92.8	14.8		110.6	13.6
39.4	33.2	45	94.6	15.3		112.5	14.1
40.1	33.3	46	96.4	15.8		114.3	14.6
37.0	35.0	43	88.8	13.4	105	107.8	13.0
37.8	35.1	44	90.4	14.0		109.4	13.5
38.4	35.2	45	92.2	14.5		111.1	13.9
39.1	35.3	46	94.1	15.1		113.0	14.2

FDOLC-40-2A					جدول 2-9	
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)
32.3	29.5	43	77.7	10.4	115	454.2
32.9	29.5	44	79.2	10.7		461.4
33.5	29.6	45	80.4	11.1		468.6
34.0	29.7	46	81.9	11.5		475.8
31.6	31.2	43	75.8	9.8	120	449.8
32.2	31.2	44	77.2	10.1		457.0
32.8	31.2	45	78.4	10.5		464.2
33.4	31.3	46	79.9	10.9		471.4
30.6	33.3	43	73.6	9.3	125	445.2
31.2	33.3	44	75.0	9.6		452.4
31.8	33.4	45	76.2	10.0		459.6
32.3	33.4	46	77.7	10.3		466.6
29.7	35.1	43	71.4	8.8	130	440.3
30.3	35.2	44	72.8	9.1		447.5
30.9	35.3	45	74.0	9.5		454.5
31.4	35.3	46	75.5	9.9		461.7
28.5	40.0	43	68.5	7.5	135	434.8
29.1	40.0	44	70.2	7.9		441.9
29.7	40.0	45	71.4	8.2		448.8
30.2	40.1	46	72.9	8.6		455.7

FDOLC-50-2W					جدول 1-10		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
34.5	24.0	43	82.7	11.7	85	95.2	9.4
35.0	24.1	44	84.2	12.1		96.7	9.8
35.7	24.1	45	85.9	12.6		98.3	10.1
36.4	24.1	46	87.6	13.1		100.0	10.5
33.7	25.1	43	81.7	11.2	90	94.0	9.2
34.2	24.2	44	82.2	11.5		95.5	9.6
34.9	25.3	45	83.8	12.0		97.1	9.9
35.5	25.3	46	85.4	12.5		98.7	10.2
32.8	26.7	43	78.7	10.6	95	92.2	8.9
33.4	26.7	44	80.2	11.0		94.3	9.3
34.0	26.7	45	81.7	11.4		95.9	9.7
34.7	26.8	46	83.3	12.0		97.4	9.9
32.0	28.1	43	77.5	10.1	100	91.9	8.7
32.5	28.2	44	78.2	10.4		93.3	8.9
33.2	28.2	45	79.7	10.8		94.7	9.2
33.8	28.2	46	81.3	11.3		96.3	9.5
31.2	29.7	43	74.7	9.6	105	90.8	8.5
31.9	29.7	44	76.1	10.0		92.2	8.8
32.5	29.8	45	77.6	10.4		93.7	9.0
33.0	29.8	46	79.1	10.7		95.2	9.3

FDOLC-50-2A					جدول 2-10	
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)
39.0	35.0	43	92.2	14.5	115	538.6
39.5	35.1	44	93.8	15.1		547.2
40.1	35.2	45	95.4	15.6		555.8
40.7	35.3	46	97.2	16.1		564.4
37.6	37.2	43	90.0	13.9	120	534.2
38.2	37.2	44	91.6	14.4		542.8
38.8	37.3	45	93.2	14.8		551.4
39.5	37.4	46	95.0	15.4		559.9
36.6	39.4	43	87.8	13.2	125	529.8
37.2	39.4	44	89.4	13.7		538.4
37.8	39.4	45	90.9	14.1		546.7
38.5	39.4	46	92.6	14.6		555.0
35.7	42.0	43	85.5	12.5	130	526.5
36.3	42.0	44	87.1	13.0		534.2
36.9	42.0	45	88.6	13.4		541.9
37.6	42.1	46	90.2	13.8		550.1
34.2	47.3	43	82.5	10.9	135	521.4
35.1	47.4	44	84.5	11.5		529.3
35.7	47.4	45	85.8	12.0		537.0
36.4	47.5	46	87.5	12.5		545.0

FDOLC-15-3W					جدول 1-11		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
12.9	8.8	43	31.0	3.6	85	35.6	5.5
13.2	8.8	44	31.5	3.8		36.0	5.7
13.3	8.9	45	32.1	3.9		36.8	6.0
13.6	8.9	46	32.7	4.0		37.4	6.2
12.5	9.3	43	30.0	3.4	90	35.1	5.4
12.7	9.4	44	30.7	3.6		35.7	5.7
13.1	9.4	45	31.4	3.8		36.2	6.0
13.3	9.4	46	32.0	3.9		36.8	6.1
12.3	9.9	43	29.4	3.2	95	34.5	5.3
12.6	10.0	44	29.8	3.4		35.1	5.5
12.8	10.0	45	30.4	3.5		35.7	5.8
13.0	10.0	46	30.9	3.6		36.3	5.9
11.7	10.2	43	28.6	3.0	100	34.0	5.2
12.0	10.3	44	29.0	3.2		34.6	5.3
12.3	10.4	45	29.5	3.3		35.1	5.6
12.6	10.4	46	30.1	3.5		35.7	5.8
11.5	11.0	43	27.5	3.0	105	33.7	5.0
11.7	11.1	44	28.1	3.1		34.2	5.3
12.0	11.1	45	28.7	3.2		34.8	5.5
12.2	11.1	46	29.3	3.3		35.3	5.7

FDOLC-15-3A					جدول 2-11	
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)
12.0	11.1	43	28.6	3.1	115	167.5
12.3	11.1	44	29.2	3.3		170.6
12.5	11.2	45	29.8	3.4		173.7
12.7	11.2	46	30.4	3.5		176.8
11.6	11.7	43	27.8	2.9	120	165.6
11.8	11.8	44	28.4	3.1		168.7
12.0	11.8	45	29.0	3.2		171.5
12.2	11.8	46	29.6	3.4		174.4
11.3	12.5	43	27.0	2.7	125	163.4
11.5	12.5	44	27.5	2.8		166.5
11.7	12.5	45	28.1	2.9		169.4
11.9	12.6	46	28.6	3.0		172.0
11.0	13.2	43	26.0	2.5	130	161.6
11.2	13.3	44	26.6	2.7		164.5
11.4	13.3	45	27.1	2.9		167.2
11.6	13.4	46	27.8	3.1		170.0
10.6	214.7	43	25.2	2.4	135	160.2
10.8	14.7	44	25.8	2.6		162.9
11.0	14.7	45	26.4	2.7		165.5
11.2	14.8	46	26.9	2.8		167.9

FDOLC-30-3W					جدول 1-12		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
27.0	18.1	43	64.6	7.2	85	74.0	7.4
27.5	18.1	44	65.6	7.5		75.2	7.7
28.0	18.2	45	67.0	7.8		76.4	7.9
28.5	18.2	46	68.2	8.0		77.6	8.1
26.2	19.3	43	63.0	6.9	90	73.0	7.2
26.9	19.4	44	64.2	7.2		74.2	7.5
27.4	19.4	45	65.4	7.4		75.4	7.7
27.8	19.4	46	66.7	7.6		76.6	7.9
25.5	20.2	43	61.5	6.5	95	72.3	7.0
26.0	20.3	44	62.5	6.8		73.5	7.3
26.4	20.3	45	63.7	7.0		74.7	7.6
26.9	20.4	46	65.1	7.2		75.9	7.8
24.8	21.5	43	59.7	6.0	100	71.1	6.8
25.3	21.5	44	60.8	6.4		72.3	7.1
25.8	21.5	45	62.0	6.7		73.5	7.4
26.3	21.5	46	63.2	6.9		74.7	7.6
24.1	23.0	43	58.0	5.8	105	70.5	6.7
24.6	23.0	44	59.1	6.1		71.7	6.9
25.0	23.0	45	60.3	6.3		72.9	7.1
25.4	23.0	46	61.4	6.5		74.1	7.3

FDOLC-30-3A					جدول 2-12	
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)
25.0	23.5	43	60.2	6.3	115	352.2
25.6	23.5	44	61.4	6.6		357.7
26.1	23.5	45	62.5	6.8		363.2
26.7	23.6	46	63.6	7.1		369.5
24.5	24.5	43	58.5	6.0	120	348.3
25.1	24.6	44	59.6	6.2		353.8
25.5	24.6	45	60.7	6.4		359.3
26.0	24.6	46	61.8	6.6		364.8
23.6	26.0	43	57.1	5.5	125	344.4
24.2	26.0	44	58.2	5.8		349.9
24.7	26.0	45	59.3	6.1		355.2
25.2	26.0	46	60.2	6.3		360.7
23.0	27.3	43	55.1	5.4	130	340.7
23.5	27.3	44	56.2	5.6		346.2
24.0	27.3	45	57.3	5.7		351.1
24.5	27.4	46	58.2	5.8		356.4
22.2	28.5	43	53.4	4.7	135	337.1
22.8	28.5	44	54.5	4.9		342.0
23.3	28.5	45	55.5	4.5		347.1
23.8	28.6	46	56.4	5.2		351.9

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FDOLC-45-3W 1-13 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
40.0	27.0	43	96.2	16.0	85	110.0	9.4
40.9	27.0	44	98.2	16.5		112.0	9.7
41.7	27.0	45	100.1	17.2		113.8	10.0
42.4	27.0	46	102.0	17.8		115.6	10.3
39.1	28.4	43	94.0	15.2	90	109.0	9.0
39.9	28.4	44	96.0	15.7		111.0	9.4
40.7	28.4	45	97.8	16.4		112.8	9.7
41.4	28.4	46	99.6	17.0		114.6	10.1
38.2	30.1	43	91.5	14.5	95	107.5	8.8
39.1	30.2	44	93.5	15.0		109.5	9.3
39.0	30.2	45	95.3	15.7		111.3	9.4
40.6	30.2	46	97.1	16.3		113.1	9.7
37.1	32.0	43	89.5	13.8	100	106.5	8.8
38.0	32.0	44	91.5	14.3		108.5	9.1
38.8	32.0	45	93.3	15.0		110.3	9.3
39.5	32.1	46	95.1	15.6		112.0	9.5
36.2	34.3	43	86.9	13.0	105	105.6	8.6
37.1	34.3	44	88.9	13.5		107.4	8.9
37.9	34.4	45	90.7	14.2		108.6	9.1
38.6	34.4	46	92.5	14.8		110.4	9.3

FDOLC-45-3A 2-13 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
37.5	34.3	43	90.4	14.0	115	527.3	
38.1	34.3	44	92.0	14.5		535.5	
38.7	34.3	45	93.6	15.0		543.7	
39.4	34.4	46	95.2	15.5		551.9	
36.7	36.4	43	88.3	13.5	120	522.5	
37.3	36.4	44	89.9	14.0		530.7	
38.0	36.5	45	91.4	14.5		538.9	
38.6	36.5	46	93.0	14.9		547.0	
35.8	38.5	43	86.0	12.7	125	517.8	
36.4	38.6	44	87.6	13.2		526.0	
37.0	38.6	45	88.9	13.7		533.9	
37.6	38.6	46	90.4	14.1		541.8	
34.8	40.9	43	83.5	12.0	130	513.0	
35.5	41.0	44	85.0	12.4		521.0	
36.0	41.0	45	86.4	12.8		528.7	
36.6	41.0	46	88.1	13.2		536.4	
33.7	43.3	43	81.0	11.2	135	508.0	
34.3	43.3	44	82.3	11.7		515.6	
34.9	43.3	45	83.6	12.1		523.1	
35.4	43.3	46	85.3	12.5		530.5	

FDOLC-60-3W 1-14 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
51.8	36.0	43	124.3	17.0	85	142.8	9.7
52.8	36.0	44	126.7	17.7		145.2	10.1
54.0	36.1	45	131.1	18.4		147.6	10.4
55.1	36.1	46	131.5	19.1		150.1	10.7
50.5	38.0	43	121.0	16.1	90	141.2	9.5
51.5	38.0	44	123.4	16.8		143.6	9.8
52.4	38.0	45	125.0	17.5		145.8	10.1
53.4	38.1	46	128.2	18.2		148.0	10.4
49.2	40.0	43	118.1	15.3	95	139.4	9.2
50.2	40.1	44	120.5	16.0		141.8	9.6
51.2	40.2	45	122.9	16.7		144.1	9.9
52.1	40.2	46	125.3	17.4		146.5	10.2
48.0	42.1	43	115.2	14.6	100	137.8	9.0
49.0	42.2	44	117.6	15.3		140.2	9.4
50.0	42.2	45	120.0	16.0		142.4	9.7
50.9	42.3	46	122.2	16.6		144.6	9.9
46.6	44.6	43	112.0	13.9	105	136.4	8.9
47.6	44.6	44	114.4	14.5		138.6	9.2
48.5	44.6	45	116.7	15.0		140.8	9.5
49.5	44.7	46	118.9	15.6		143.0	9.7

FDOLC-60-3A 2-14 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
48.5	44.6	43	116.7	15.0	115	681.5	
49.3	44.6	44	118.7	15.4		692.0	
50.1	44.6	45	120.7	15.9		702.6	
51.0	44.7	46	123.0	16.5		713.4	
47.3	47.1	43	113.5	14.2	120	674.6	
48.1	47.1	44	115.5	14.7		685.1	
48.9	47.2	45	117.3	15.2		695.7	
49.8	47.2	46	119.7	15.8		706.5	
46.0	49.8	43	110.4	13.5	125	667.5	
46.8	49.8	44	112.4	14.0		678.1	
47.6	49.9	45	114.2	14.5		688.7	
48.4	49.9	46	116.6	15.0		699.5	
44.7	52.8	43	107.2	12.5	130	660.6	
45.5	52.8	44	109.2	13.1		671.1	
46.3	52.9	45	111.0	13.6		681.7	
47.1	52.9	46	113.4	14.1		692.2	
42.9	59.5	43	102.9	11.5	135	652.3	
43.9	59.6	44	105.3	12.2		662.8	
44.6	59.6	45	107.0	12.7		673.1	
45.5	59.8	46	109.3	13.1		683.4	

FDOLC-75-3W					جدول 1-15		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
61.1	42.1	43	147.0	17.6	85	168.8	14.2
62.3	42.2	44	149.8	18.3		171.6	14.7
63.5	42.3	45	152.6	19.0		174.4	15.2
64.7	42.4	46	155.4	19.7		177.4	15.7
59.8	44.4	43	143.4	16.8	90	166.8	13.9
61.0	44.5	44	146.2	17.5		169.6	14.4
62.2	44.7	45	149.0	18.2		172.4	14.8
63.4	44.7	46	151.8	18.9		175.2	15.3
58.4	47.0	43	140.0	16.0	95	165.0	13.5
59.6	47.1	44	142.4	16.7		167.8	14.1
60.6	47.3	45	145.0	17.4		170.6	14.6
61.8	47.4	46	148.0	18.1		173.4	15.0
57.0	49.6	43	136.6	15.3	100	163.2	13.3
58.2	49.7	44	139.3	16.0		166.0	13.7
59.4	49.8	45	142.1	16.7		168.8	14.1
60.5	50.0	46	144.9	17.3		171.5	14.5
55.4	52.5	43	133.1	14.6	105	161.6	13.0
56.6	52.6	44	135.9	15.3		164.4	13.5
57.8	52.7	45	138.7	15.9		167.0	13.9
59.0	52.8	46	141.4	16.5		169.7	14.2

FDOLC-75-3A					جدول 2-15		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
57.6	52.6	43	138.3	15.5	115	808.0	
58.7	52.7	44	140.7	16.2		820.7	
59.8	52.8	45	142.9	16.7		833.7	
60.9	52.9	46	145.6	17.3		846.9	
56.3	55.8	43	135.1	14.9	120	801.3	
57.4	55.9	44	137.5	15.4		814.0	
58.5	56.0	45	139.6	15.9		827.0	
59.5	56.1	46	142.3	16.5		840.1	
54.8	59.2	43	131.7	14.3	125	794.8	
55.9	59.2	44	134.1	14.8		807.5	
56.8	59.3	45	136.2	15.2		820.0	
57.9	59.4	46	138.9	15.8		832.2	
53.4	62.8	43	128.1	13.5	130	788.4	
54.4	62.8	44	130.5	14.0		801.0	
55.3	62.9	45	132.6	4.0		812.8	
56.4	62.9	46	135.3	14.9		825.2	
51.5	70.9	43	123.7	12.5	135	781.5	
52.8	70.9	44	126.6	13.1		793.8	
53.6	80.0	45	128.6	13.6		805.4	
54.7	80.0	46	131.2	14.1		817.4	

FDOLC-20-4W					جدول 1-16		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
17.2	11.8	43	41.4	4.9	85	47.4	6.8
17.6	11.8	44	42.2	5.2		48.2	7.1
18.0	11.9	45	43.0	5.4		49.0	7.3
18.3	11.9	46	43.8	5.5		49.8	7.4
16.7	12.5	43	40.2	4.6	90	46.7	6.5
17.1	12.5	44	41.0	4.9		47.5	6.8
17.5	12.5	45	41.8	5.1		48.3	7.0
17.9	12.6	46	42.6	5.2		49.1	7.2
16.3	13.0	43	39.1	4.4	95	46.1	6.4
16.7	13.0	44	40.0	4.7		47.0	6.7
17.0	13.1	45	40.8	4.9		47.7	6.9
17.3	13.2	46	41.6	5.0		48.5	7.1
15.8	14.0	43	38.0	4.1	100	45.4	6.2
16.2	14.0	44	38.7	4.4		46.2	6.5
16.6	14.0	45	39.5	4.6		47.1	6.7
16.9	14.1	46	40.3	4.7		47.9	6.9
15.3	14.9	43	36.8	3.8	105	44.8	6.0
15.7	15.0	44	37.6	4.1		45.6	6.3
16.1	15.0	45	38.4	4.3		46.4	6.5
16.4	15.0	46	39.2	4.5		47.2	6.6

FDOLC-20-4A					جدول 2-16		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
15.8	14.9	43	38.2	4.2	115	223.8	
16.2	14.9	44	39.0	4.4		227.6	
16.5	15.0	45	39.6	4.6		231.4	
16.7	15.0	46	40.4	4.7		235.2	
15.5	15.5	43	37.1	4.0	120	220.7	
15.8	15.5	44	37.9	4.2		224.5	
16.1	15.5	45	38.5	4.3		228.3	
16.3	15.6	46	39.3	4.4		232.1	
15.0	16.4	43	35.9	3.8	125	218.0	
15.3	16.4	44	36.7	4.0		221.8	
15.6	16.4	45	37.3	4.1		225.5	
15.9	16.5	46	38.1	4.2		229.2	
14.6	17.3	43	34.8	3.5	130	215.5	
14.9	17.3	44	35.6	3.7		219.2	
15.1	17.3	45	36.2	3.8		223.0	
15.3	17.4	46	37.0	3.9		226.5	
14.1	18.5	43	33.7	3.2	135	213.6	
14.4	18.5	44	34.4	3.3		217.1	
14.6	18.5	45	34.9	3.4		220.7	
14.8	18.6	46	35.8	3.5		224.1	

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FDOLC-40-4W 1-17 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
35.8	24.2	43	86.0	12.5	85	98.5	10.8
36.6	24.2	44	87.8	13.2		100.1	11.2
37.4	24.2	45	89.6	13.7		101.1	11.6
38.2	24.2	46	91.4	14.3		103.5	11.9
35.0	25.5	43	83.9	12.0	90	97.5	10.6
35.8	25.5	44	85.7	12.6		99.1	11.0
36.6	25.5	45	87.4	13.1		100.7	11.3
37.3	25.5	46	89.1	13.5		102.3	11.6
34.2	27.4	43	81.7	11.6	95	96.3	10.5
35.0	27.4	44	83.5	12.0		97.9	10.8
35.6	27.4	45	85.3	12.4		99.5	11.0
36.3	27.4	46	86.9	12.8		101.1	11.3
33.1	29.2	43	79.5	10.8	100	95.0	10.1
33.9	29.2	44	81.3	11.3		96.6	10.4
34.7	29.2	45	83.0	11.8		98.2	10.7
35.4	29.2	46	84.6	12.2		99.8	11.0
32.1	30.5	43	77.0	10.3	105	94.0	9.8
32.9	30.5	44	78.8	10.8		95.6	10.2
33.7	30.5	44	80.6	11.1		97.0	10.5
34.4	30.5	44	82.3	11.4		98.5	10.7

FDOLC-40-4A 2-17 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
33.5	30.8	43	80.3	11.1	115	470.0	
34.1	30.8	44	81.7	11.5		477.0	
34.7	30.8	45	83.0	11.8		484.5	
35.3	30.8	46	84.6	12.3		492.1	
32.6	32.6	43	78.1	10.6	120	464.6	
33.2	32.6	44	79.5	11.0		471.8	
33.8	32.6	45	80.8	11.3		479.3	
34.4	32.6	46	82.4	11.8		486.7	
31.7	34.6	43	75.9	9.9	125	459.2	
32.3	34.6	44	77.3	10.3		466.6	
32.9	34.6	45	78.6	10.6		473.8	
33.5	34.6	46	80.2	11.1		480.9	
30.6	36.8	43	73.6	9.3	130	454.3	
31.2	36.8	44	75.0	9.7		461.5	
31.8	36.8	45	76.3	10.0		468.3	
32.4	36.8	46	77.9	10.5		475.4	
29.6	37.8	43	71.3	8.5	135	449.5	
30.2	37.8	44	72.6	9.0		456.2	
30.8	37.8	45	73.7	9.3		462.8	
31.4	37.9	46	75.3	9.8		469.6	

FDOLC-60-4W 1-18 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
53.5	35.9	43	128.7	18.8	85	146.9	9.6
54.4	35.9	44	130.8	18.9		149.1	9.9
55.4	35.9	45	133.2	19.7		151.6	10.0
56.5	35.9	46	135.8	20.5		154.1	10.6
52.1	38.0	43	125.3	17.4	90	145.3	9.5
53.1	38.0	44	127.6	18.0		147.5	9.7
54.1	38.1	45	130.1	18.8		149.9	10.0
55.2	38.1	46	132.6	19.5		152.3	10.4
50.8	40.3	43	122.3	16.6	95	143.5	9.3
51.8	40.3	44	124.5	17.2		145.8	9.5
52.8	40.3	45	127.0	17.9		148.2	9.8
53.9	40.4	46	129.5	18.6		150.6	10.1
49.6	42.8	43	119.3	15.8	100	142.1	9.1
50.5	42.8	44	121.4	16.3		144.3	9.3
51.5	42.8	45	123.8	17.0		146.6	9.6
52.5	42.8	46	126.2	17.7		148.9	9.9
48.3	45.4	43	115.3	15.0	105	140.7	8.9
49.3	45.4	44	118.2	15.5		142.8	9.1
50.3	45.5	45	120.6	16.1		145.0	9.4
51.3	45.5	46	122.9	16.7		147.3	9.7

FDOLC-60-4A 2-18 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
50.3	45.7	43	120.6	16.2	115	703.2	
51.1	45.7	44	122.7	16.8		714.4	
51.9	45.7	45	124.5	17.3		725.4	
53.0	45.7	46	127.0	18.0		736.7	
49.0	48.4	43	117.6	15.5	120	696.7	
49.8	48.4	44	119.7	16.1		707.5	
50.6	48.5	45	121.6	16.5		718.3	
51.6	48.5	46	124.0	17.1		729.2	
47.7	51.1	43	114.5	14.6	125	690.6	
48.4	51.2	44	116.6	15.2		701.0	
49.2	51.3	45	118.4	15.7		711.0	
50.2	51.3	46	120.7	16.3		722.2	
46.4	54.5	43	111.2	13.8	130	684.1	
47.2	54.5	44	113.3	14.4		694.5	
48.0	54.6	45	115.1	14.9		704.6	
49.0	54.6	46	117.4	15.5		715.0	
44.6	57.8	43	104.4	13.0	135	677.8	
45.7	57.9	44	109.8	13.5		687.4	
46.4	57.9	45	111.4	13.9		697.2	
47.4	57.9	46	113.7	14.5		707.3	

FDOLC-80-4W					جدول 1-19		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
68.9	48.0	43	165.4	14.5	85	190.4	9.7
70.2	48.1	44	168.5	15.0		193.5	10.0
71.5	48.1	45	171.8	15.6		196.7	10.3
72.9	48.1	46	175.2	16.2		200.0	10.7
67.3	50.5	43	161.4	13.8	90	188.0	9.5
68.5	50.5	44	164.7	14.3		191.1	9.7
69.8	50.6	45	167.9	14.8		194.2	10.0
71.2	50.8	46	171.1	15.4		197.4	10.4
65.6	53.3	43	157.5	13.2	95	185.8	9.2
66.8	53.4	44	160.5	13.6		188.8	9.5
68.1	53.5	45	163.6	14.1		191.8	9.8
69.4	53.6	46	166.8	14.7		194.9	10.1
63.9	56.2	43	153.6	12.5	100	183.7	9.1
65.1	56.2	44	156.6	13.1		186.6	9.3
66.4	56.3	45	159.6	13.6		189.6	9.6
67.7	56.4	46	162.6	14.1		192.6	9.9
62.2	59.3	43	149.5	11.8	105	181.7	8.8
63.4	59.4	44	152.5	12.2		184.5	9.0
64.7	59.5	45	155.5	12.7		187.4	9.3
65.9	59.6	46	158.5	13.2		190.4	9.6

FDOLC-80-4A					جدول 2-19		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
64.8	59.5	43	155.4	12.8	115	908.8	
66.0	59.5	44	158.1	13.3		922.8	
67.0	59.5	45	160.7	13.6		937.0	
68.2	59.6	46	163.8	14.1		951.5	
63.0	63.0	43	151.5	12.1	120	900.0	
64.2	63.0	44	154.2	12.6		914.0	
65.2	63.1	45	156.8	13.2		928.2	
66.4	63.1	46	159.8	13.6		942.7	
61.4	66.6	43	147.3	11.5	125	890.1	
62.6	66.6	44	150.0	12.0		904.1	
63.6	66.7	45	152.5	12.5		918.3	
64.8	66.7	46	155.5	13.0		932.7	
59.5	70.6	43	142.8	10.8	130	880.7	
60.7	70.6	44	145.5	11.3		895.0	
61.7	70.6	45	148.0	11.8		909.2	
62.9	70.7	46	151.0	12.2		922.7	
56.9	75.0	43	137.1	10.0	135	969.5	
58.1	75.1	44	140.5	10.5		884.0	
59.5	75.2	45	142.8	11.0		897.6	
60.7	75.2	46	145.8	11.3		911.1	

FDOLC-100-4W					جدول 1-20		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
91.5	56.1	43	195.8	12.7	85	225.0	4.4
93.1	56.3	44	199.6	13.1		228.8	4.5
94.8	56.4	45	203.6	13.6		232.8	4.6
86.5	56.6	46	207.6	14.1		236.8	4.8
79.6	59.1	43	191.1	12.0	90	222.3	4.3
81.1	59.3	44	194.9	12.5		226.0	4.4
82.8	59.5	45	198.7	13.0		229.9	4.5
84.4	59.7	46	202.7	13.5		233.8	4.7
77.7	62.6	43	186.6	11.5	95	219.8	4.2
79.2	62.7	44	190.2	11.9		223.4	4.3
80.8	62.8	45	194.0	12.3		227.1	4.4
82.4	63.0	46	197.8	12.8		230.9	4.6
75.8	66.2	43	182.0	10.9	100	217.5	4.1
77.3	66.3	44	185.6	11.3		221.0	4.2
78.8	66.4	45	189.2	11.7		224.7	4.3
80.3	66.5	46	193.0	12.2		228.3	4.5
73.9	70.0	43	177.4	10.3	105	215.4	4.0
75.3	70.1	44	180.9	10.7		218.8	4.1
76.8	70.3	45	184.4	11.1		222.3	4.2
78.3	70.4	46	188.1	11.6		225.9	4.4

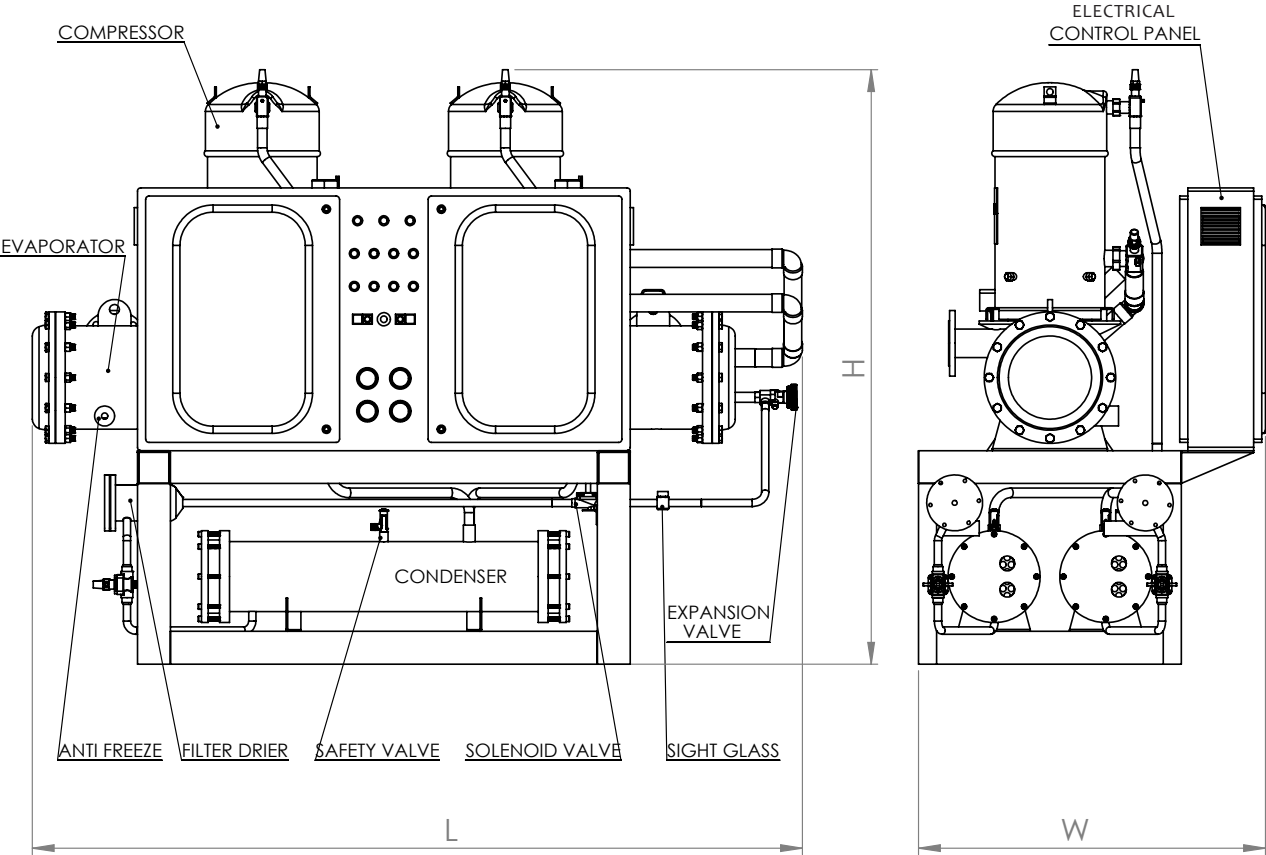
FDOLC-100-4A					جدول 2-20		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
76.8	70.3	43	184.4	11.2	115	1077.4	
78.3	70.3	44	187.6	11.6		1094.4	
79.5	70.4	45	190.6	12.0		1111.8	
81.0	70.5	46	194.4	12.5		1129.5	
75.0	74.3	43	180.1	10.8	120	1068.5	
76.4	74.4	44	183.3	11.2		1085.3	
77.6	74.5	45	186.3	11.6		1102.2	
79.2	74.5	46	190.0	12.0		1119.8	
73.1	79.0	43	175.6	10.2	125	1059.7	
74.5	79.0	44	178.8	10.6		1067.2	
75.7	79.1	45	181.8	11.0		1093.0	
77.3	79.2	46	185.4	11.5		1109.5	
71.2	83.5	43	170.9	9.7	130	1051.2	
72.6	83.6	44	174.1	10.1		1068.0	
73.8	83.7	45	177.1	10.5		1084.2	
75.3	83.8	46	180.5	11.0		1100.2	
68.7	88.8	43	165.0	9.0	135	1042.1	
70.4	88.8	44	169.0	9.5		1058.4	
71.5	88.9	45	171.7	9.8		1074.1	
73.0	90.0	46	175.1	10.2		1089.8	

SCROLL CHILLER

جداول ابعاد چیلرهای اسکروال شرکت فرم دما:

	L (mm)	W (mm)	H (mm)
FDOLC-5-1W	1850	950	1300
FDOLC-10-1W	1850	950	1450
FDOLC-15-1W	1850	950	1550
FDOLC-20-1W	1850	1000	1650
FDOLC-25-1W	1850	1000	1650
FDOLC-10-2W	1850	950	1350
FDOLC-20-2W	1850	1000	1600
FDOLC-30-2W	2400	1100	1650
FDOLC-40-2W	2400	1100	1800
FDOLC-50-2W	2400	1100	1800
FDOLC-15-3W	1850	950	1350
FDOLC-30-3W	2400	1100	1650
FDOLC-45-3W	2400	1100	1700
FDOLC-60-3W	2800	1100	1800
FDOLC-75-3W	2800	1100	1900
FDOLC-20-4W	1850	1000	1400
FDOLC-40-4W	2400	1100	1700
FDOLC-60-4W	2800	1100	1700
FDOLC-80-4W	2800	1200	1950
FDOLC-100-4W	3400	1200	2000

	L (mm)	W (mm)	H (mm)
FDOLC-5-1A	1850	950	850
FDOLC-10-1A	1850	1050	1000
FDOLC-15-1A	1850	1050	1100
FDOLC-20-1A	1850	1100	1200
FDOLC-25-1A	1850	1100	1200
FDOLC-10-2A	1850	1050	900
FDOLC-20-2A	1850	1100	1050
FDOLC-30-2A	2400	1200	1100
FDOLC-40-2A	2400	1200	1250
FDOLC-50-2A	2400	1200	1250
FDOLC-15-3A	1850	1050	900
FDOLC-30-3A	2400	1200	1100
FDOLC-45-3A	2400	1200	1150
FDOLC-60-3A	2800	1200	1250
FDOLC-75-3A	2800	1200	1350
FDOLC-20-4A	1850	1100	950
FDOLC-40-4A	2400	1200	1150
FDOLC-60-4A	2800	1200	1150
FDOLC-80-4A	2800	1300	1400
FDOLC-100-4A	3400	1300	1400





Air conditioning Industries Heating and Cooling Unit Manufacturer

آدرس کارخانه: اراک، شهرک قطب، خیابان توسعه یک، شرکت فرم دما کدپستی: ۵۸۷۵ - ۵ - ۳۸۱۹۹ صندوق پستی: ۱۴۱۳ تلفن: ۳۴۱۳۲۵۸۱ - ۳ (۰۸۶) فکس: ۳۴۱۳۲۵۸۴ (۰۸۶) دفتر مرکزی: تهران، خیابان شهید بهشتی، خیابان خالد اسلامبولی، خیابان ۱۴، پلاک ۳ تلفن: ۸۸۱۰۸۳۳۹ - ۴۰ (۰۲۱) فکس: ۸۸۱۰۸۳۳۷ (۰۲۱)	Factory add: The end of Tose-e St., industrial zone, Arak - Iran Zip code: 38199-5-5875 P.O.Box: 1413 Tel: +98 86 34132581 - 3 Fax: +98 86 34132584 Head office: No. 3, 14th St., Khaled slamboli St., Shahid beheshti Ave., Tehran - Iran Tel: +98 21 88108339 - 40 Fax: +98 21 88108337
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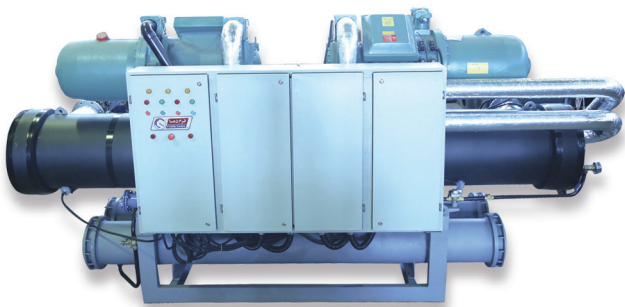
info@formdama.com

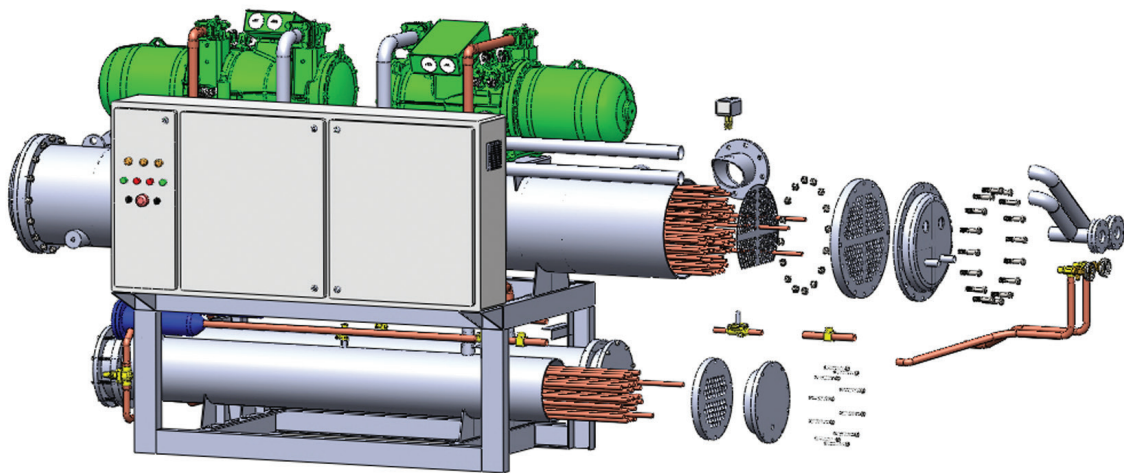
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فرم دما

چیلر تراکمی اسکرو
SCREW CHILLER

چیلر تراکمی اسکرو با ظرفیت (50 - 1200) TON



**FDCLC**

Form Dama

Screw

Liquid

Chiller

چیلر اسکرو

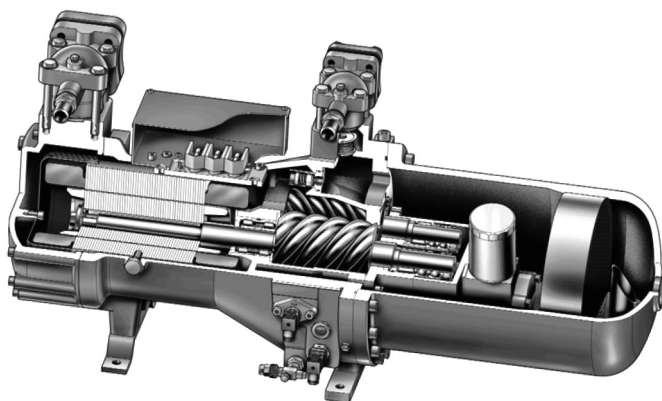
چیلر های اسکرو شرکت فرم دما در محدوده وسیعی از مصارف تهویه مطبوع مورد استفاده قرار می گیرند. این نوع چیلرها جهت کار در محیط های مسکونی - تجاری و صنعتی طراحی شده اند.

در اساس، چرخه سرمایش این نوع چیلر تفاوتی با سایر چیلرها ندارد اما آن چه باعث تمایز این نوع چیلر با سایر چیلرهای تراکمی می شود تکنولوژی ساخت و نوع خاص کمپرسورهای مارپیچی آن می باشد. کمپرسورهای اسکرو این امکان را فراهم می آورد تا چیلر به صورت تدریجی و با توجه به میزان برودت زیر بار رفته که موجب اپتیمم شدن میزان مصرف برق دستگاه و همچنین پایین آمدن استهلاک آن می شود.

ظرفیت برودتی چیلرهای تراکمی اسکرو شرکت فرم دما ۱۲۰۰-۵۰ تن می باشد. به طور کلی کندانسورهای این چیلرها دارای دو نوع سیستم می باشد یکی کندانسورهای آبی که با توجه به شرایط محیطی و سایر پارامترهای موجود انتخاب می شود و دیگری کندانسورهای هوایی که موارد استفاده فراوانی در سیستم های تهویه مطبوع و صنعتی دارد و دارای هزینه های تعمیرات و نگهداری پایین است. چیلرهای شرکت فرم دما برای دستیابی به بالاترین راندمان طراحی شده اند به طوری که طراحی اواپراتور و کندانسور آنها با نرم افزار HTFS موجب می شود که بالاترین راندمان از کمپرسور گرفته شود. اواپراتور و کندانسور مورد استفاده در چیلرهای اسکرو شرکت فرم دما بر اساس استاندارد Tubular Exchanger Manufacturers Association (TEMA) طراحی و ساخته می شوند همچنین محاسبات مکانیکی این مبدلها طبق استاندارد ASME, SEC VIII DIV.1 انجام می شود.

محاسبات حرارتی اواپراتور و کندانسور چیلرهای شرکت فرم دما با نرم افزار بسیار معتبر HTFS محصول کشور انگلستان انجام می شود که یکی از معتبرترین و بهترین نرم افزار های طراحی حرارتی مبدل در سراسر جهان می باشد.

نحوه کار کمپرسور اسکرو: در کمپرسور اسکرو روتور مارپیچ که به طور متناوب گردش می کند سیال را به محفظه می راند و فشار آن را افزایش می دهد. با گردش روتورها سیال به درون محفظه کشیده شده و در ادامه کار روتور سیال را به انتها می راند آن را به دام انداخته و بدین ترتیب فشارش را بالا می برد. سیال فشرده شده از انتها خارج می شود. این کمپرسورها تمایل به حرکت آرام دارند و لرزش چندانی نداشته از این رو نیازی به فنر ندارند. با این حال برای جلوگیری از لرزش های احتمالی در فرکانسهای بالا یک لرزه گیر روی آن تعبیه می شود.



مزایای کمپرسورهای اسکرو

- قابلیت استفاده در تناژهای بالا
- زیر بار رفتن به صورت تدریجی
- قابلیت اتصال به سیستمهای BMS
- تعمیرات کم تر نسبت به سایر کمپرسورها
- راندمان مکانیکی بالاتر نسبت به سایر کمپرسورها
- وجود قطعات متحرک کم تر در کمپرسور اسکرو و در نتیجه عمر بسیار طولانی تر نسبت به کمپرسورهای رفت و برگشتی

SCREW CHILLER

روش انتخاب چیلرهای شرکت فرم دما

جهت انتخاب یک دستگاه چیلر، مشخصات آب سرد در گردش سیستم سرمایشی باید معلوم باشد. این مشخصات شامل: دبی آب مدار سرمایش و مقدار تغییرات دمای آب است که این مطالب مقدار توان چیلر را نیز مشخص می کند. علاوه بر این مشخصات شرایط محیطی جهت انتخاب کندانسور و انتخاب چیلر بسیار مهم است. برای برج های خنک کن مقدار سرمایش امکان پذیر با توجه به شرایط محیطی و برای کندانسورهای هوایی دمای سطح کندانسور جهت انتخاب چیلر و تعیین ظرفیت آن مورد استفاده قرار می گیرند.

در چیلرهای شرکت فرم دما که مشخصات آن در جداول پیوست آمده است نکات زیر مد نظر بوده است:

۱. به ازای هر تن توان برودتی میزان 2.4G.P.M و افت دمای 10°F برای اواپراتور در نظر گرفته شده است.

۲. به ازای هر تن توان برودتی میزان 3G.P.M و افت دمای 10°F برای کندانسور در نظر گرفته شده است.

۳. مقدار fouling factor برای کندانسور و اواپراتور 0.00025 در نظر گرفته شده است.

مثال ۱) چیلر با کندانسور هوایی

مشخصات مورد نیاز جهت انتخاب دستگاه

300GPM	دبی آب مورد نیاز جهت سرمایش
50°F	دمای آب ورودی به اواپراتور دستگاه
43°F	دمای آب خروجی از اواپراتور دستگاه
125°F	دمای آب خروجی کندانسور
1250m	ارتفاع محل نصب کندانسور

جهت انتخاب دستگاه باید تناژ واقعی دستگاه را محاسبه کنیم.

$$\text{TON} = \text{GPM} \times \text{سرد} \times \text{اختلاف دمای آب} / 24 = 300 \times (50 - 42) / 24 = 100 \text{ TON}$$

توان واقعی = 100 TON

توان مصرفی 127 kw and TON=104 → FDCLC-160-2A مدل → 43°F = دمای آب خروجی

در همان جدول می توان مقدار حرارت منتقل شده به کندانسور هوایی را خواند که مقدار آن 1676MBH است.

مثال ۲) چیلر با کندانسور آبی

210GPM	دبی آب مورد نیاز جهت سرمایش
55°F	دمای آب ورودی به اواپراتور
45°F	دمای آب خروجی از اواپراتور
95°F	دمای آب ورودی به برج خنک کن
85°F	دمای آب خروجی از برج خنک کن

جهت انتخاب دستگاه باید تناژ واقعی دستگاه را محاسبه کنیم.

$$\text{TON} = \text{GPM} \times \text{سردی آب} / 24 = 87.5 \text{ TON}$$

$$\text{توان واقعی} = 87.5 \text{ TON}$$

$$45^{\circ}\text{F} = \text{دمای آب خروجی اواپراتور} \rightarrow \text{مدل FDCLC-110-1W} \rightarrow \text{TON}=91.7$$

$$95^{\circ}\text{F} = \text{دمای آب کندانس خروجی} \quad \text{KW}=68.5$$

$$\text{Heat Rejection MBH} = 91.7 \times 12 + 68.5 \times 3.415 = 1334 \text{ MBH}$$

مقدار گرمای منتقل شده به برج

$$\text{GPM} = \text{Heat Rejection} \times 2 / (95 - 85) = 1334 \times 2 / 10 = 203.8 \text{ GPM}$$

مقدار آب در گردش جهت کندانسور

جدول تصحیح Kw موتور با توجه به Fouling factor و اختلاف دمای کندانسور

اختلاف دمای کندانسور °F	0.00025	0.00050	0.00075
5	0.996	0.990	0.985
7.5	0.997	0.992	0.986
10	1.000	0.994	0.989
12.5	1.002	0.998	0.992
15	1.003	0.999	0.994

جدول تصحیح تناژ چیلر با توجه به Fouling factor و اختلاف دمای کندانسور

اختلاف دمای کندانسور °F	0.00025	0.00050	0.00075
5	0.989	0.969	0.953
7.5	0.994	0.975	0.955
10	1.000	0.982	0.964
12.5	1.007	0.988	0.969
15	1.012	0.995	0.978

$$\text{GPM} = \frac{\text{THR}(\text{BTU/HR})}{500 \times \Delta T}$$

$$\text{THR (MBH)} = \text{CROSS TOTAL CAPACITY (MBH)} + 3.413 \times \text{COMPRESSOR POWER (KW)}$$

$$\text{CAPACITY (TON)} = \frac{\text{GPM} \times \text{CHILLED WATER RANGE}}{24}$$

$$\text{GPM (CONDENSER WATER)} = \frac{\text{HEAT REJECTION (MBH)} \times 2}{\text{CONDENSER WATER RANGE}}$$

$$\text{MBH} = 1000 \times \text{BTU/HR}$$

$$\text{MBH} = 12 \times \text{TON}$$

$$\text{MBH} = 3.413 \times \text{KW}$$

SCREW CHILLER

FDCLC-50-1W					جدول 1-1		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
38.2	27.9	43	91	9.1	85	114.1	12.0
39.4	28.2	44	95	9.7		116.0	12.7
40.1	28.3	45	96	9.9		118.4	13.0
40.9	28.5	46	98	10.2		120.4	13.4
37.3	29.2	43	88	8.7	90	111.8	11.6
38.3	29.5	44	92	9.2		113.6	12.3
39.0	29.6	45	94	9.5		116.0	12.6
39.8	29.8	46	96	9.8		118.0	13.0
35.7	30.7	43	86	8.3	95	110	11.3
37.1	31.0	44	89	8.8		111.1	11.9
37.8	31.1	45	91	9.0		113.1	12.2
38.6	31.3	46	93	9.3		115.0	12.5
34.5	32.3	43	83	7.9	100	107	10.9
35.8	32.6	44	86	8.3		108.2	11.5
36.6	32.7	45	88	8.6		110.1	11.8
37.3	32.9	46	90	8.8		112.0	12.1
33.2	34.0	43	80	7.4	105	104.2	10.5
34.6	34.3	44	83	7.9		105.2	11.1
35.2	34.4	45	85	8.1		107.1	11.4
36.0	34.6	46	86	8.4		109.5	11.7

FDCLC-50-1A					جدول 2-1		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
33.1	34.9	43	81.4	8.8	115	529	
34.4	35.1	44	82.5	9.3		533	
35.1	35.3	45	84.3	9.6		541	
35.8	35.4	46	86.2	9.9		551	
32.3	36.7	43	76.3	8.3	120	514	
33.1	37.0	44	79.4	8.8		523	
33.8	37.1	45	81.2	9.1		532	
34.5	37.2	46	82.5	9.4		540	
30.9	38.6	43	73.2	7.8	125	504	
31.7	38.9	44	76.2	8.3		514	
32.4	39.0	45	77.5	8.5		522	
33.1	39.1	46	79.3	8.8		530	
29.0	40.5	43	69.5	7.3	130	486	
30.3	40.8	44	72.5	7.8		503	
31.0	41.0	45	74.3	8.0		511	
31.6	41.1	46	75.6	8.3		519	
27.6	42.5	43	66.3	6.8	135	482	
28.8	42.8	44	69.3	7.3		492	
29.4	43.0	45	70.5	7.4		500	
30.1	43.2	46	72.3	7.7		508	

FDCLC-60-1W					جدول 1-2		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
47.0	33.8	43	116	13.8	85	141.2	10.1
48.8	34.0	44	117	14.6		143.9	10.6
49.7	34.1	45	119	15.0		146.0	10.8
50.7	34.3	46	122	15.5		148.7	11.1
46.1	35.0	43	110	13.2	90	139	9.8
47.6	35.7	44	114	14.0		141.0	10.3
48.5	35.9	45	117	14.4		143.6	10.5
49.4	36.0	46	119	14.9		146.3	10.8
45.1	36.8	43	107	12.6	95	135.6	9.6
46.3	37.6	44	111	13.4		138.6	10.1
47.2	37.8	45	113	13.8		140.7	10.3
48.1	37.9	46	116	14.2		143.3	10.5
44.1	38.8	43	104	12.0	100	132.5	9.3
45.0	39.6	44	108	12.7		135.6	9.8
45.8	39.8	45	110	13.1		137.7	10.0
46.7	40.0	46	112	13.6		140.3	10.2
42.1	40.9	43	100	11.4	105	130.1	9.0
43.5	41.9	44	104	12.1		132.2	9.5
44.4	42.0	45	106	12.5		134.7	9.7
45.2	42.1	46	108	12.9		137.2	9.9

FDCLC-60-1A					جدول 2-2		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
42.3	42.9	43	102.0	13.6	115	658	
43.4	43.1	44	104.5	14.1		668	
44.3	43.2	45	106.5	14.5		678	
45.1	43.3	46	108.5	14.9		689	
41.3	45.3	43	98.8	13.1	120	648	
41.9	45.5	44	100.7	13.4		658	
42.7	45.6	45	102.7	13.7		668	
43.6	45.7	46	104.6	14.1		679	
39.6	47.7	43	94.9	12.3	125	640	
40.4	48.0	44	96.8	12.6		648	
41.1	48.1	45	98.7	12.9		658	
41.9	48.3	46	100.7	13.4		668	
37.9	50.3	43	90.9	11.6	130	627	
38.7	50.6	44	92.8	11.8		637	
39.5	50.8	45	94.7	12.2		647	
40.3	50.9	46	96.7	12.6		657	
36.2	53.0	43	86.9	10.4	135	616	
36.9	53.3	44	88.7	11.0		625	
37.7	53.5	45	90.6	11.4		635	
38.5	53.7	46	92.6	11.7		645	

FDCLC-70-1W					جدول 1-3		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
57.0	39.3	43	137	11.1	85	167.9	11.6
58.2	39.6	44	139	11.7		170.8	12.2
59.3	39.9	45	142	12.1		174.3	12.4
60.5	40.1	46	145	12.5		177.2	12.7
55.4	40.8	43	130	10.6	90	164.0	11.2
56.5	41.3	44	135	11.3		167.3	11.8
57.6	41.6	45	138	11.6		170.2	12.1
58.8	41.8	46	141	11.9		173.8	12.4
53.5	42.5	43	126	10.1	95	160	10.8
54.6	43.2	44	131	10.7		163.2	11.4
55.7	43.5	45	134	11.0		166.0	11.7
56.9	43.7	46	137	11.4		169.0	11.9
51.2	44.5	43	124	9.6	100	155.3	10.4
52.7	45.3	44	127	10.2		158.5	11.0
53.8	45.6	45	129	10.5		161.4	11.3
54.9	45.8	46	132	10.8		164.3	11.5
49.5	46.7	43	119	9.1	105	151.1	10.1
50.6	47.6	44	122	9.6		153.7	10.6
51.7	47.9	45	124	9.9		156.6	10.8
52.8	48.1	46	127	10.2		159.4	11.1

FDCLC-70-1A					جدول 2-3		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
48.2	48.6	43	118.4	11.3	115	765	
50.4	49.0	44	120.8	11.6		771	
51.3	49.2	45	123.1	11.9		784	
52.4	49.4	46	125.9	12.3		797	
47.1	51.1	43	113.3	10.6	120	747	
48.1	51.5	44	115.7	10.9		753	
49.1	51.7	45	117.9	11.2		766	
50.2	51.9	46	120.2	11.6		779	
45.4	53.8	43	105.1	10.0	125	725	
45.8	54.2	44	110.0	10.2		735	
46.9	54.4	45	112.7	10.5		748	
47.9	54.6	46	114.9	10.8		761	
42.6	56.6	43	102.4	9.3	130	704	
43.5	57.0	44	104.2	9.6		716	
44.5	57.2	45	106.8	9.8		729	
45.5	57.4	46	109.0	10.1		742	
40.2	59.4	43	96.1	8.7	135	689	
41.1	59.9	44	98.8	8.9		697	
42.1	60.1	45	100.9	9.2		710	
43.0	60.4	46	103.1	9.4		722	

FDCLC-80-1W					جدول 1-4		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
65.2	46.1	43	157	15.1	85	193.7	12.2
66.8	46.4	44	160	16.0		197.0	12.8
68.0	46.8	45	163	16.4		199.9	13.0
69.4	47.0	46	166	16.9		203.8	13.3
63.4	47.8	43	153	14.4	90	188.2	11.8
64.9	48.6	44	156	15.3		192.4	12.4
66.1	49.0	45	159	15.7		195.9	12.7
67.5	49.2	46	162	16.2		199.7	13.0
61.4	50.2	43	148	13.7	95	184.2	11.5
62.9	51.1	44	151	14.6		187.9	12.0
64.1	51.4	45	154	15.0		191.3	12.3
65.3	51.7	46	157	15.4		194.8	12.5
59.4	52.7	43	143	13.1	100	180.7	11.1
60.8	53.7	44	146	13.8		183.1	11.6
61.9	54.1	45	149	14.2		186.5	11.9
63.3	54.3	46	152	14.7		189.8	12.2
57.3	55.5	43	135	12.3	105	175.2	10.7
58.6	56.6	44	140	13.1		178.4	11.2
59.7	56.9	45	143	13.5		181.3	11.4
61.0	57.1	46	147	13.9		185.1	11.8

FDCLC-80-1A					جدول 2-4		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
57.2	57.8	43	139.6	15.2	115	886	
58.5	58.2	44	140.4	15.6		900	
59.6	58.4	45	143.2	16.0		914	
60.8	58.6	46	146.1	16.5		929	
55.0	60.8	43	134.4	13.9	120	865	
56.2	61.2	44	134.6	14.7		883	
57.3	61.5	45	137.5	15.1		898	
58.4	61.7	46	140.4	15.6		912	
52.6	64.0	43	128.7	13.6	125	848	
53.9	64.4	44	129.2	13.9		866	
55.0	64.6	45	132.1	14.2		880	
56.0	64.8	46	134.3	14.6		894	
50.3	67.2	43	122.8	12.7	130	836	
51.5	67.6	44	123.4	13.0		848	
52.6	67.9	45	126.2	13.4		862	
53.6	68.1	46	128.5	13.8		876	
47.8	70.4	43	116.9	11.8	135	812	
49.0	71.0	44	117.4	12.1		829	
50.1	71.2	45	120.2	12.5		843	
51.1	71.5	46	122.5	12.8		857	

SCREW CHILLER

FDCLC-90-1W								جدول 1-5
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
74.0	51.3	43	178	12.3	85	219.2	13.4	
75.7	51.5	44	182	12.9		222.9	13.9	
77.1	51.8	45	185	13.3		226.6	14.2	
78.5	52.0	46	188	13.6		230.4	14.5	
72.1	53.1	43	171	11.9	90	215.2	13.0	
73.9	54.1	44	177	12.5		218.8	13.6	
75.2	54.4	45	181	12.8		222.2	13.9	
76.6	54.6	46	184	13.2		226.5	14.2	
70.2	55.8	43	170	11.5	95	210.9	12.7	
71.8	57.0	44	173	12.1		214.1	13.2	
73.3	57.3	45	176	12.4		217.8	13.5	
74.7	57.5	46	179	12.7		222.1	13.8	
68.2	58.9	43	165	11.1	100	205.6	12.3	
69.8	60.2	44	168	11.6		209.8	12.9	
71.1	60.4	45	171	11.9		213.2	13.1	
72.5	60.6	46	174	12.2		217.5	13.4	
66.0	62.1	43	159	10.6	105	202.4	11.9	
67.6	63.5	44	162	11.2		205.2	12.5	
68.8	63.8	45	165	11.4		208.7	12.8	
70.4	64.0	46	169	11.7		212.9	13.1	

FDCLC-90-1A								جدول 2-5
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
66.3	65.0	43	160.7	13.5	115	1021		
67.5	65.4	44	161.8	13.8		1033		
68.7	65.6	45	164.7	14.1		1048		
70.1	65.8	46	65.8	14.5		1065		
63.6	68.7	43	155.0	12.8	120	996		
65.2	69.0	44	156.6	13.2		1017		
66.4	69.2	45	159.4	13.5		1033		
67.7	69.4	46	162.6	13.8		1050		
61.3	72.5	43	148.8	12.3	125	986		
62.4	72.9	44	150.5	12.6		1001		
63.9	73.1	45	153.4	12.8		1016		
65.2	73.3	46	156.6	13.2		1032		
58.8	76.4	43	142.7	11.5	130	974		
60.1	76.8	44	144.4	11.9		983		
61.3	77.0	45	147.3	12.2		998		
62.6	77.3	46	150.5	12.5		1015		
56.6	80.4	43	137.5	10.9	135	945		
57.5	80.9	44	137.9	11.2		966		
58.6	81.2	45	140.7	11.5		980		
59.8	81.4	46	143.6	11.8		996		

FDCLC-110-1W								جدول 1-6
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
93.1	62.0	43	225	17.9	85	275.5	16.4	
95.7	62.3	44	230	18.9		280.7	17.7	
97.6	62.9	45	234	19.4		285.7	18.1	
99.6	63.3	46	239	20.0		291.2	18.5	
91.3	64.2	43	219	17.1	90	269.2	16.4	
93.0	65.0	44	223	18.1		274.2	17.1	
94.7	65.5	45	228	18.6		278.9	17.6	
96.7	65.9	46	232	19.2		284.4	17.9	
87.3	67.0	43	212	16.3	95	261.9	15.8	
89.9	68.0	44	216	17.3		267.1	16.6	
91.7	68.5	45	220	17.8		271.7	17.0	
93.7	68.9	46	225	18.3		277.2	17.4	
84.2	70.1	43	204	15.5	100	254.9	15.3	
86.7	71.4	44	208	16.4		259.7	16.0	
88.6	71.8	45	212	16.9		264.7	16.4	
90.4	72.1	46	217	17.4		269.8	16.8	
81.8	73.6	43	196	14.6	105	247.0	14.7	
83.3	75.0	44	200	15.5		251.8	15.4	
85.1	75.4	45	204	16.0		256.5	15.8	
86.8	75.7	46	208	16.4		261.6	16.1	

FDCLC-110-1A								جدول 2-6
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
80.2	76.5	43	197.0	18.3	115	1244		
82.9	77.1	44	199.1	18.8		1257		
84.6	77.4	45	203.1	19.3		1279		
86.3	77.7	46	207.2	19.8		1301		
77.5	80.5	43	188.9	17.2	120	1206		
79.2	81.1	44	190.1	17.7		1228		
80.9	81.4	45	194.2	18.2		1249		
82.6	81.7	46	198.2	18.7		1271		
74.1	84.7	43	180.4	16.2	125	1172		
75.5	85.3	44	181.2	16.6		1197		
77.2	85.6	45	185.3	17.1		1218		
78.9	86.0	46	189.3	17.6		1240		
70.6	89.1	43	169.7	15.1	130	1140		
71.6	89.7	44	171.9	15.5		1165		
73.2	90.1	45	176.0	15.9		1186		
74.9	90.4	46	180.0	16.4		1207		
66.1	93.6	43	161.2	14.0	135	1115		
67.6	94.5	44	162.1	14.3		1134		
69.3	94.7	45	166.2	14.8		1154		
70.9	95.1	46	170.2	15.2		1175		

FDCLC-125-1W								جدول 1-7
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
106.6	71.8	43	256	17.9	85	312.6	18.3	
108.6	72.2	44	261	18.8		319.1	19.1	
110.6	72.9	45	266	19.2		324.6	19.5	
112.9	73.3	46	271	19.8		330.5	19.9	
103.5	74.5	43	249	17.1	90	307.6	17.7	
105.5	75.7	44	253	18.1		312.0	18.5	
107.6	76.3	45	258	18.5		317.5	18.9	
109.6	76.7	46	263	19.0		323.0	19.3	
100.4	78.2	43	241	16.5	95	298.7	17.2	
102.3	79.5	44	245	17.3		304.3	18.0	
104.3	80.1	45	250	17.8		309.9	18.9	
106.3	80.5	46	255	18.2		315.9	18.8	
97.1	82.1	43	233	15.7	100	291.5	16.6	
98.9	83.6	44	237	16.6		297.2	17.4	
100.9	84.2	45	242	17.0		302.7	17.7	
102.9	84.6	46	247	17.5		308.2	18.1	
93.6	86.4	43	225	15.0	105	282.5	16.0	
95.5	88.0	44	229	15.8		289.1	16.8	
97.4	88.6	45	234	16.2		294.3	17.1	
99.3	88.9	46	238	16.6		299.8	17.5	

FDCLC-125-1A								جدول 2-7
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
93.0	90.0	43	228.2	18.8	115	1444		
95.1	90.7	44	228.6	19.2		1451		
97.0	91.0	45	232.6	19.9		1473		
98.9	91.4	46	237.5	20.5		1499		
90.0	94.7	43	219.7	18.0	120	1397		
91.5	95.4	44	219.7	18.5		1423		
93.2	95.7	45	223.7	19.0		1445		
95.2	96.1	46	228.6	19.5		1470		
85.6	99.6	43	209.8	17.1	125	1364		
87.7	100.3	44	210.7	17.5		1395		
89.5	100.7	45	214.8	18.0		1418		
91.3	101.0	46	219.3	18.5		1440		
81.8	104.6	43	201.3	16.2	130	1341		
83.8	105.5	44	200.9	16.6		1365		
85.6	105.8	45	205.5	17.0		1388		
87.3	106.1	46	209.5	17.4		1410		
78.4	109.7	43	191.6	15.1	135	1311		
79.8	110.6	44	191.7	15.6		1334		
81.5	111.0	45	195.7	16.0		1357		
83.2	111.4	46	199.8	16.4		1379		

FDCLC-140-1W								جدول 1-8
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
121.4	80.3	43	292	20.5	85	357.8	19.8	
123.9	80.6	44	297	21.5		363.0	20.7	
126.2	81.1	45	303	22.1		369.8	21.1	
128.5	81.4	46	309	22.7		375.6	21.5	
118.3	83.1	43	279	19.8	90	354.0	19.3	
120.9	84.7	44	290	20.8		365.7	20.2	
123.2	85.2	45	296	21.4		363.0	20.6	
125.5	85.5	46	301	21.9		369.4	21.0	
115.2	87.4	43	272	19.1	95	342.4	18.9	
117.6	89.3	44	282	20.1		349.2	19.6	
119.9	89.7	45	288	20.6		355.5	20.0	
122.2	90.0	46	293	21.1		361.9	20.5	
112.9	92.1	43	264	18.3	100	335.0	18.3	
114.3	94.2	44	274	19.3		341.8	19.1	
116.4	94.6	45	279	19.8		347.8	19.5	
118.6	94.9	46	285	20.3		354.2	19.9	
108.4	97.2	43	255	17.6	105	328.4	17.7	
110.7	99.4	44	266	18.5		334.2	18.5	
112.8	99.8	45	271	19.0		340.2	18.9	
115.0	100.1	46	276	19.5		346.0	19.3	

FDCLC-140-1A								جدول 2-8
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
110.2	101.8	43	263.8	22.2	115	1642		
111.3	102.4	44	265.0	22.8		1674		
112.6	102.6	45	270.3	23.4		1701		
114.7	102.9	46	275.2	24.0		1727		
104.2	107.5	43	256.0	21.2	120	1617		
106.6	108.1	44	255.6	21.8		1648		
108.7	108.4	45	260.5	22.4		1674		
110.9	108.7	46	265.7	22.9		1701		
101.6	113.4	43	245.0	20.2	125	1595		
102.6	114.1	44	246.3	20.8		1621		
104.6	114.4	45	251.2	21.3		1646		
106.8	114.7	46	256.1	21.8		1671		
96.5	119.5	43	235.3	19.1	130	1663		
98.3	120.2	44	236.3	19.7		1591		
100.3	120.6	45	241.1	20.2		1616		
102.4	120.9	46	246.0	20.7		1642		
91.6	125.7	43	224.3	18.1	135	1535		
94.0	126.6	44	225.6	18.6		1560		
96.0	127.0	45	230.5	19.1		1586		
98.0	127.4	46	235.4	19.6		1611		

SCREW CHILLER

FDCLC-180-1W								جدول 1-9
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
160.8	101.1	43	390	35.1	85	490	46.3	
166.5	102.3	44	398	36.5		498	48.1	
170.2	103.5	45	406	37.2		508	49.1	
174.0	104.7	46	414	37.8		518	50.0	
156.0	104.9	43	380	34.9	90	473	46.0	
160.0	106.5	44	387	35.5		484	46.8	
163.5	107.2	45	395	36.2		494	47.8	
167.8	108.0	46	403	36.9		504	48.7	
149.8	112.0	43	369	33.9	95	462	44.2	
156.6	112.4	44	374	34.4		469	45.2	
159.2	113.0	45	379	35.1		479	46.2	
160.1	113.6	46	388	35.8		488	47.1	
147.1	117.4	43	357	32.8	100	449	43.0	
150.3	117.5	44	363	33.2		454	43.8	
153.5	118.3	45	370	34.0		463	44.0	
156.7	119.0	46	378	34.6		472	45.8	
138.0	123.0	43	342	31.2	105	430	41.2	
145.7	123.6	44	349	31.9		436	42.2	
147.8	124.2	45	356	32.6		446	42.9	
151.0	124.7	46	364	33.2		455	43.8	

FDCLC-180-1A								جدول 2-9
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
134.2	125.4	43	345.8	36.8	115	2097		
139.3	131.2	44	352.5	37.3		2158		
141.8	131.6	45	358.8	38.1		2141		
144.4	132.0	46	364.7	38.9		2173		
129.3	136.6	43	314.0	35.3	120	2015		
134.3	137.4	44	320.6	35.8		2071		
136.8	137.9	45	326.5	36.6		2102		
139.3	138.3	46	332.7	37.3		2135		
123.8	143.1	43	295.0	33.8	125	1991		
124.1	144.0	44	303.3	34.2		2031		
131.6	144.4	45	314.2	35.0		2062		
134.0	144.8	46	314.6	35.7		2092		
121.0	154.8	43	282.8	32.2	130	1881		
123.7	150.8	44	290.3	32.7		1940		
126.1	151.2	45	296.1	33.4		2020		
128.5	151.7	46	306.5	34.1		2050		
107.0	156.7	43	259.8	30.6	135	1837		
108.1	157.8	44	272.1	30.9		1897		
110.4	158.3	45	282.5	31.6		1927		
112.8	113.8	46	288.4	32.3		1957		

FDCLC-210-1W								جدول 1-10
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
186.3	119.1	43	448	41	85	564	54.0	
189.3	120.5	44	456	41.8		570	55.1	
192.8	121.3	45	464	42.6		581	56.1	
196.5	122	46	473	43.4		592	57.2	
181.1	125.5	43	435	40	90	544	50.6	
184.1	126.1	44	443	40.6		554	51.8	
187.7	126.9	45	452	41.4		565	53.8	
191.2	127.6	46	461	42.2		576	54.8	
175.7	132	43	422	38.8	95	528	55.7	
178.7	132.4	44	430	39.4		538	51.0	
182.2	133.1	45	439	40.2		549	52.0	
185.7	133.8	46	447	40.9		559	53.0	
170.2	138.6	43	411	37.5	100	512	49.5	
173.0	139.1	44	417	38.2		521	50.4	
176.4	139.8	45	425	39		532	51.4	
180.0	140.4	46	433	39.7		542	52.3	
164.5	145.9	43	392	36.4	105	494	47.7	
167.1	146.5	44	403	36.9		503	48.7	
171.5	147	45	411	37.5		514	49.7	
174.0	147.6	46	419	38.4		524	50.7	

FDCLC-210-1A								جدول 2-10
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
162.0	156.0	43	383	44.4	115	2409		
163.0	152.1	44	394	45.3		2447		
164.1	152.7	45	395	46.3		2536		
167.3	153.3	46	402.5	47.2		2577		
148.7	163.4	43	364.5	42.4	120	2377		
154.8	164.5	44	372.5	43.4		2423		
157.8	165.1	45	384.5	44.4		2466		
165.9	165.6	46	387	45.3		2505		
145.1	166.1	43	350	40.5	125	2293		
148.4	172.2	44	357	41.5		2372		
151.4	172.8	45	364.5	42.4		2415		
154.4	173.4	46	376	43.3		2453		
138.2	174.0	43	333.5	38.5	130	2246		
141.7	175.2	44	341	39.6		2325		
144.6	175.8	45	348	40.4		2362		
147.6	181.4	46	355	41.3		2405		
131.8	187.1	43	315.5	36.5	135	2192		
134.8	188.5	44	324.5	37.5		2265		
137.6	189.1	45	333.5	38.3		2306		
145.6	184.8	46	340	39.2		2343		

FDCLC-240-1W								جدول 1-11
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
211.4	133.1	43	449	39.1	85	545	54.1	
214.8	133.5	44	456	40.2		470	55.1	
219.0	134.2	45	464	41.8		581	56.1	
223.0	133.7	46	473	42.6		592	57.2	
207.3	139.8	43	436	40.0	90	545	52.7	
209.8	140.3	44	443	40.6		554	53.6	
213.8	140.8	45	452	41.4		565	54.6	
217.8	141.3	46	461	42.2		576	55.7	
200.7	147.2	43	423	38.7	95	528	51.1	
204.5	147.7	44	430	39.4		538	52.1	
208.4	148.2	45	439	40.2		549	53.3	
212.3	148.7	46	447	41.0		559	54.2	
195.2	155.2	43	410	37.5	100	511	49.5	
198.7	155.7	44	417	38.2		521	50.4	
202.6	156.2	45	425	39.0		532	51.4	
206.5	156.7	46	433	39.7		542	52.4	
190.1	164.0	43	396	36.2	105	495	47.8	
192.7	164.3	44	403	36.9		505	48.7	
196.5	164.8	45	411	37.6		514	49.7	
200.3	165.3	46	419	38.4		524	50.7	

FDCLC-240-1A								جدول 2-11
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
182.9	172.8	43	455	51.4	115			2771
184.7	173.9	44	455	52.4				2857
187.7	174.4	45	456	53.5				2900
189.3	175.0	46	464	54.6				2944
180.7	181.7	43	423.5	49.5	120			2795
183.3	182.7	44	427.5	50.5				2810
186.7	183.3	45	440.5	51.6				2852
187.1	183.8	46	448	52.6				2895
177.5	190.8	43	410	47.5	125			2729
181.7	192.0	44	417	48.5				2761
184.0	192.5	45	424.5	49.5				2803
185.3	193.1	46	432	50.5				2846
176.7	205.4	43	393.5	45.5	130			2628
178.2	206.6	44	400	46.4				2690
180.0	206.9	45	418	47.4				2751
182.5	207.5	46	420	48.4				2793
172.7	214.7	43	381.5	43.3	135			2574
174.8	216.5	44	388	44.3				2656
177.7	216.8	45	392.5	45.2				2696
179.2	217.7	46	397.5	46.2				2788

FDCLC-280-1W								جدول 1-12
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
234.3	152.1	43	565	61.5	85	636	61.3	
238.4	152.7	44	574	62.5		649	62.2	
242.6	153.4	45	584	63.7		659	63.7	
247.3	153.9	46	595	64.9		671	64.8	
230.2	159.2	43	551	58.8	90	621	59.8	
233.0	159.7	44	561	60.9		632	61.1	
237.4	160.2	45	571	61.8		644	62.2	
242.0	160.8	46	582	62.4		656	63.4	
224.7	167.4	43	537	58.5	95	592	58.3	
227.3	167.7	44	546	59.5		616	59.5	
231.7	168.2	45	558	60.7		628	60.7	
236.1	168.6	46	568	61.8		638	61.8	
218.3	176.2	43	524	57.2	100	588	57.1	
221.3	176.6	44	533	58.1		598	58.2	
225.6	177.0	45	542	59.0		610	59.0	
230.0	177.4	46	553	60.1		622	60.1	
212.6	185.9	43	507	55.1	105	570	55.1	
215.0	186.2	44	517	56.2		580	56.1	
219.2	186.6	45	528	57.2		592	57.2	
223.5	187.8	46	538	58.3		603	58.3	

FDCLC-280-1A								جدول 2-12
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
200.7	194.2	43	504.5	57.2	115			3066
208.3	195.1	44	506.0	59.5				3162
212.2	195.5	45	512.5	60.7				3260
216.2	196.0	46	521.0	61.9				3263
196.5	204.1	43	473.5	55.2	120			3019
201.5	205.1	44	483.0	57.5				3119
205.4	205.9	45	486.5	58.7				3163
214.2	206.1	46	487.5	59.8				3260
190.3	214.6	43	483.5	53.1	125			2971
194.3	215.7	44	485.5	55.3				3064
198.1	216.4	45	486.5	56.5				3162
202.0	216.7	46	487.0	57.6				3159
182.4	225.5	43	486.0	50.8	130			2918
186.8	226.5	44	487.5	53.0				3010
190.5	227.5	45	488.0	54.2				3082
194.3	228.5	46	488.5	55.3				3156
174.2	231.5	43	483.0	48.4	135			2858
178.7	233.5	44	484.5	50.7				2913
182.4	234.5	45	490.0	51.8				2997
186.1	236.0	46	491.0	52.9				3045

SCREW CHILLER

FDCLC-300-1W 1-13 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
261.3	170.1	43	632	57.0	85	789	76.1
268.2	170.4	44	645	58.1		807	77.5
273.2	171.0	45	657	59.3		822	78.5
278.1	171.7	46	669	60.1		837	80.0
258.2	177.9	43	620	56.2	90	770	74.5
262.5	178.4	44	631	57.3		798	75.3
267.1	179.1	45	642	58.0		803	76.2
272.1	180.0	46	654	59.2		818	77.6
251.2	185.8	43	601	55.5	95	758	72.9
255.7	186.4	44	615	56.5		769	73.8
260.6	187.7	45	627	57.3		784	75.2
265.5	188.1	46	639	58.2		798	77.2
245.3	197.2	43	588	54.0	100	735	70.0
250.2	197.9	44	600	55.0		750	71.9
254.0	198.3	45	611	56.0		764	73.0
258.7	198.7	46	625	57.1		778	74.2
239.2	208.4	43	571	52.2	105	717	68.8
243.2	209.0	44	583	53.4		728	69.9
247.0	209.3	45	594	54.5		743	70.8
251.7	210.0	46	606	54.5		757	72.5

FDCLC-300-1A 2-13 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
218.0	207.9	43	550	57.2	115	3066	
222.7	208.8	44	561	59.5		3162	
227.0	209.0	45	565.5	60.7		3260	
231.5	209.7	46	574.5	61.9		3260	
206.9	219.0	43	522	56.2	120	3019	
215.4	220.0	44	535	57.5		3134	
219.7	221.0	45	549	58.7		3163	
224.0	222.0	46	558	59.8		3260	
204.4	231.0	43	505.5	54.1	125	2971	
207.7	232.0	44	523	55.3		3064	
212.0	233.0	45	532	56.5		3162	
216.3	234.0	46	540.5	57.6		3159	
196.4	243.0	43	488.5	51.8	130	2918	
199.7	244.5	44	505	53.0		3010	
203.9	245.0	45	524	54.2		3057	
208.2	246.0	46	527.5	55.3		3156	
189.2	255.0	43	530.5	49.6	135	2858	
193.1	257.5	44	542	50.7		2953	
200.1	258.0	45	547.5	51.8		3047	
207.2	259.5	46	553.5	52.9		3075	

FDCLC-100-2W 1-14 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
77.2	55.7	43	185	11.1	85	228.6	11.0
78.8	56.0	44	189	11.7		232.5	11.7
80.3	56.5	45	193	12.1		236.0	12.0
81.8	56.7	46	196	12.4		240.5	12.3
74.6	57.6	43	180	10.6	90	223.4	10.7
76.5	58.7	44	184	11.2		227.5	11.3
78.0	59.1	45	187	11.6		231.5	11.6
79.5	59.4	46	191	11.9		236.0	12.0
72.3	60.6	43	175	10.1	95	218.0	10.4
74.1	61.6	44	178	10.7		221.5	10.9
75.6	62.0	45	181	11.1		226.0	11.3
77.1	62.4	46	185	11.4		230.0	11.6
69.9	63.6	43	169	9.6	100	212.5	10.0
71.7	64.8	44	172	10.2		216.0	10.6
73.1	65.3	45	175	10.5		220.5	10.9
74.5	65.5	46	179	10.8		224.5	11.2
67.4	67.1	43	163	9.1	105	206.5	9.7
69.1	68.3	44	166	9.7		210.5	10.2
70.5	68.6	45	169	9.9		214.5	10.5
72.0	68.9	46	173	10.3		218.5	10.8

FDCLC-100-2A 2-14 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
67.5	69.8	43	161.2	10.2	115	1032	
68.8	70.2	44	164.9	10.8		1065	
70.2	70.5	45	168.6	11.1		1083	
71.6	70.8	46	171.8	11.4		1101	
64.7	73.4	43	155.6	9.6	120	1012	
66.2	74.0	44	158.8	10.2		1046	
67.5	74.2	45	161.9	10.5		1063	
68.9	74.4	46	165.5	10.8		1081	
61.8	77.2	43	147.9	9.4	125	993	
63.4	77.8	44	152.5	9.6		1026	
64.7	78.0	45	155.5	9.9		1043	
66.1	78.2	46	158.6	10.2		1060	
59.4	81.0	43	141.5	8.5	130	972	
60.6	81.6	44	145.5	9.0		1005	
61.9	82.0	45	148.6	9.2		1023	
63.2	82.2	46	151.7	9.6		1038	
56.0	85.0	43	134.5	7.9	135	951	
57.6	85.6	44	138.5	8.4		983	
58.8	86.0	45	141.0	8.6		999	
60.2	86.3	46	144.6	8.9		1016	

FDCLC-120-2W					جدول 1-15		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
96.0	67.6	43	230	14.2	85	282.7	8.9
97.6	67.9	44	234	15.0		287.5	9.3
99.4	68.2	45	239	15.4		292.0	9.5
101.3	68.6	46	243	15.8		297.5	9.8
93.6	69.9	43	224	13.6	90	277.5	8.7
95.2	71.3	44	228	14.4		282.0	9.1
97.0	71.7	45	233	14.8		287.0	9.3
98.8	72.0	46	237	15.2		292.0	9.6
91.2	73.6	43	219	13.0	95	272.0	8.5
92.6	75.1	44	222	13.8		276.5	8.9
94.3	75.5	45	226	14.2		281.5	9.1
96.2	75.7	46	231	14.6		286.5	9.3
88.5	77.6	43	211	12.4	100	266.5	8.2
90.0	79.2	44	216	13.2		270.8	8.6
91.6	79.6	45	220	13.6		275.4	8.8
93.4	79.9	46	224	14.0		280.6	9.1
85.7	81.8	43	205	11.9	105	260.4	8.0
87.0	83.7	44	209	12.6		264.8	8.4
88.8	84.0	45	213	12.9		269.3	8.6
90.4	84.2	46	217	13.3		273.9	8.8

FDCLC-120-2A					جدول 2-15		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
84.1	85.8	43	202.5	13.3	115	1306	
86.9	86.2	44	208.4	14.0		1337	
88.5	86.4	45	212.4	14.4		1357	
90.2	86.6	46	216.5	14.8		1378	
81.6	90.6	43	196.5	13.1	120	1286	
83.9	91.0	44	201.3	13.3		1317	
85.5	91.2	45	205.3	13.7		1337	
87.1	91.4	46	209.3	14.1		1357	
79.1	95.4	43	188.7	12.4	125	1256	
80.7	96.0	44	193.5	12.6		1296	
82.2	96.2	45	197.4	12.9		1315	
83.9	96.6	46	201.4	13.3		1336	
75.4	100.6	43	181.9	11.6	130	1249	
77.4	101.2	44	185.5	11.9		1274	
78.9	101.6	45	189.4	12.2		1294	
80.5	101.8	46	193.3	12.6		1314	
71.7	105.9	43	173.2	10.9	135	1226	
73.8	106.6	44	177.4	11.1		1250	
75.4	107.0	45	181.2	11.4		1270	
77.0	107.3	46	184.6	11.8		1289	

FDCLC-140-2W					جدول 1-16		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
113.6	78.6	43	224	12.8	85	275.4	8.0
116.3	79.1	44	233	13.6		280.7	8.4
118.6	79.8	45	238	14.1		288.0	8.6
120.9	80.2	46	242	14.5		292.9	8.8
110.5	81.5	43	222	12.8	90	273.9	7.7
112.9	82.5	44	227	13.0		279.0	8.1
115.2	83.2	45	231	13.4		283.8	8.4
117.6	83.6	46	236	13.9		289.5	8.6
106.8	85.0	43	211	12.1	95	267.3	7.5
109.3	86.4	44	219	12.4		271.8	7.8
111.4	87.2	45	224	12.7		277.1	8.1
113.7	87.6	46	228	13.1		281.9	8.3
103.0	90.2	43	203	11.5	100	260.6	7.2
105.3	91.0	44	212	11.7		265.0	7.6
107.5	91.4	45	216	12.0		270.2	7.8
109.8	91.8	46	220	12.4		275.0	8.0
99.0	94.8	43	195	10.8	105	253.7	7.0
101.2	94.8	44	204	11.0		257.9	7.3
103.3	95.7	45	208	11.3		262.6	7.5
105.5	96.1	46	212	11.7		267.3	7.7

FDCLC-140-2A					جدول 2-16		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
98.5	97.2	43	236.5	14.6	115	1509	
100.6	97.9	44	241.5	15.0		1541	
102.7	98.3	45	246.0	15.4		1567	
104.8	98.7	46	251.5	15.9		1594	
94.6	102.2	43	225.5	13.7	120	1464	
96.2	103.0	44	230.5	14.1		1506	
98.3	103.4	45	235.5	14.5		1532	
100.3	103.8	46	240.5	14.9		1558	
88.7	107.6	43	215.0	12.9	125	1440	
91.7	108.4	44	219.5	13.2		1470	
93.7	108.8	45	224.5	13.6		1496	
95.7	109.2	46	229.5	14.0		1521	
84.7	113.2	43	204.0	11.9	130	1384	
87.0	114.0	44	208.5	12.3		1433	
89.0	114.4	45	213.5	12.6		1457	
90.9	114.8	46	218.0	13.0		1483	
80.9	118.8	43	192.0	11.0	135	1347	
82.2	119.8	44	197.0	11.3		1395	
84.1	120.2	45	201.5	11.7		1419	
86.0	120.7	46	206.0	12.1		1444	

SCREW CHILLER

FDCLC-160-2W 1-17 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
130.4	92.1	43	314	18.1	85	385.9	10.6
133.5	92.7	44	320	19.2		393.5	11.1
135.9	93.5	45	326	19.7		400.4	11.3
138.7	94.0	46	333	20.3		407.5	11.6
126.6	95.6	43	305	17.3	90	377.8	10.3
129.7	97.1	44	311	18.4		384.8	10.8
132.1	98.0	45	317	18.9		391.2	11.0
134.8	98.4	46	324	19.4		399.3	11.3
122.7	100.3	43	296	16.5	95	369.3	9.9
125.8	102.1	44	302	17.5		376.3	10.4
128.2	103.1	45	308	18.0		382.7	10.7
130.6	103.6	46	313	18.5		389.6	10.9
118.8	106.9	43	286	15.8	100	360.4	9.6
121.5	107.9	44	291	16.7		366.7	10.1
123.8	108.3	45	297	17.1		372.5	10.3
126.5	108.9	46	304	17.7		380.2	10.6
115.4	112.7	43	276	14.9	105	349.8	9.3
117.1	113.5	44	281	15.8		356.2	9.7
119.5	113.7	45	287	16.2		363.1	9.9
121.8	114.1	46	292	16.7		369.4	10.2

FDCLC-160-2A 2-17 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
113.7	115.6	43	274.8	17.2	115	1743	
116.9	116.4	44	280.2	17.7		1800	
119.2	116.8	45	286.0	18.2		1829	
121.6	117.2	46	291.7	18.7		1859	
110.0	121.6	43	263.7	16.3	120	1710	
112.4	122.4	44	269.8	16.7		1766	
114.6	123.0	45	275.0	17.2		1795	
117.0	123.4	46	280.7	17.7		1825	
104.7	127.9	43	252.8	15.4	125	1676	
107.7	128.8	44	258.5	15.7		1732	
109.9	129.2	45	263.6	16.2		1760	
112.1	129.6	46	269.1	16.7		1787	
99.8	134.4	43	241.6	14.4	130	1641	
102.9	135.2	44	246.8	14.8		1696	
105.0	135.8	45	252.3	15.2		1724	
107.2	136.2	46	257.5	15.7		1751	
93.6	140.8	43	229.7	13.5	135	1604	
97.9	141.9	44	234.8	13.8		1659	
100.0	142.4	45	240.3	14.2		1687	
102.2	143.0	46	245.5	14.7		1715	

FDCLC-180-2W 1-18 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
148.9	102.5	43	357	18.3	85	437.3	11.6
151.3	102.9	44	363	19.2		445.2	12.2
154.2	103.5	45	370	19.7		452.8	12.4
157.0	103.9	46	377	20.2		460.8	12.7
145.2	106.2	43	348	17.6	90	429.9	11.3
147.8	108.2	44	355	18.6		437.5	11.8
150.4	108.8	45	361	19.0		444.4	12.1
153.2	109.2	46	368	19.6		452.5	12.4
141.3	111.6	43	338	16.9	95	420.7	11.0
143.6	114.0	44	345	17.8		428.6	11.2
146.4	114.8	45	351	18.3		436.2	11.6
149.3	115.2	46	358	18.9		443.7	11.8
136.4	119.9	43	329	16.3	100	412.7	11.2
139.6	120.7	44	335	17.2		420.1	11.2
142.1	121.0	45	341	17.6		426.4	11.3
144.9	121.2	46	348	18.1		434.3	11.5
132.2	126.1	43	318	15.6	105	403.0	10.3
135.2	127.4	44	324	16.4		410.0	10.8
137.6	127.7	45	331	16.8		416.8	11.0
140.8	128.1	46	338	17.4		425.4	11.3

FDCLC-180-2A 2-18 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
130.7	130.0	43	318.4	18.2	115	2041	
134.9	130.8	44	323.6	18.5		2065	
137.4	131.2	45	329.8	18.9		2096	
140.1	131.6	46	336.2	19.4		2131	
127.5	137.4	43	305.5	17.1	120	2006	
130.3	138.0	44	312.6	17.6		2035	
132.8	138.4	45	318.3	18.0		2065	
135.4	138.8	46	324.8	18.6		2099	
120.6	145.0	43	294.0	16.3	125	1967	
125.3	145.8	44	300.5	16.7		2001	
127.7	146.2	45	306.2	17.1		2031	
130.4	146.6	46	312.6	17.6		2065	
118.6	152.8	43	281.9	15.4	130	1936	
120.2	153.6	44	288.3	15.8		1966	
122.6	154.0	45	294.1	16.2		1996	
125.3	154.6	46	300.5	16.7		2030	
110.1	160.7	43	269.4	14.5	135	1899	
114.9	161.8	44	275.7	14.9		1932	
117.3	162.3	45	281.4	15.3		1961	
119.7	162.8	46	287.1	15.7		1991	

FDCLC-220-2W								جدول 1-19
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
188.0	123.9	43	451	24.5	85	550.0	14.6	
191.4	124.6	44	459	25.9		560.8	15.3	
195.3	125.7	45	468	26.6		571.9	15.6	
199.2	126.5	46	478	27.4		583.0	16.0	
182.5	128.3	43	438	23.4	90	537.6	14.1	
185.9	129.9	44	446	24.8		548.4	14.8	
189.4	131.0	45	454	25.5		557.8	15.2	
193.3	131.7	46	464	26.2		568.8	15.5	
175.6	134.0	43	423	22.3	95	514.3	13.7	
179.9	136.0	44	431	23.6		534.1	13.9	
183.4	137.3	45	440	24.3		543.9	14.4	
187.3	138.0	46	449	25.0		554.5	14.8	
169.3	142.1	43	407	21.2	100	509.7	13.8	
173.3	143.3	44	416	22.4		519.3	13.8	
177.2	143.9	45	425	23.1		529.3	13.9	
180.7	144.6	46	434	23.8		539.1	14.2	
162.7	149.3	43	391	20.0	105	494.0	12.6	
166.6	150.5	44	400	21.2		503.1	13.3	
170.1	151.1	45	408	21.8		513.4	13.6	
173.6	151.7	46	417	22.5		522.7	13.9	

FDCLC-220-2A								جدول 2-19
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
162.1	153.0	43	386.4	23.1	115			2469
165.7	154.2	44	397.6	23.7				2515
169.1	154.8	45	405.7	24.4				2558
172.6	155.4	46	414.3	25.1				2602
155.1	161.0	43	371.7	21.7	120			2413
158.4	162.2	44	380.3	22.2				2455
161.8	162.8	45	388.4	22.9				2497
165.3	163.4	46	396.5	23.6				2541
147.9	169.4	43	353.4	20.3	125			2353
151.0	170.6	44	362.4	20.9				2394
154.3	171.2	45	370.5	21.5				2437
157.7	172.0	46	378.6	22.1				2479
139.7	178.2	43	334.8	18.8	130			2286
143.2	179.4	44	343.3	19.4				2330
146.5	180.2	45	351.4	20.0				2373
149.8	180.8	46	359.5	20.6				2415
132.2	187.2	43	316.4	17.4	135			2220
135.2	188.9	44	324.4	18.0				2267
138.5	189.4	45	332.4	18.5				2308
141.7	190.1	46	340.0	19.1				2350

FDCLC-250-2W								جدول 1-20
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
217.3	143.5	43	511	23.6	85	625.5	15.6	
219.9	144.4	44	521	24.9		637.7	16.3	
221.3	145.7	45	531	25.6		649.2	16.7	
225.7	146.5	46	542	26.3		661.5	17.0	
207.1	149.0	43	497	22.6	90	611.5	15.2	
211.1	151.3	44	507	23.9		623.5	15.9	
215.1	152.6	45	516	24.5		635.0	16.2	
219.2	153.4	46	526	25.2		646.2	16.6	
200.4	158.6	43	481	21.6	95	597.8	14.7	
204.6	159.8	44	491	22.8		609.2	14.9	
208.6	160.6	45	501	23.5		620.2	15.5	
212.6	161.4	46	510	24.1		631.3	15.8	
193.2	166.5	43	466	20.6	100	582.5	14.9	
197.8	168.0	44	475	21.8		593.8	14.9	
201.8	168.8	45	484	22.4		604.9	14.9	
205.8	169.6	46	494	23.0		615.9	15.3	
187.2	175.4	43	449	19.5	105	567.2	13.7	
191.0	176.7	44	458	20.7		578.2	14.4	
194.7	177.1	45	467	21.2		588.6	14.7	
198.6	177.8	46	477	21.9		599.6	15.0	

FDCLC-250-2A								جدول 2-20
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
187.8	180.0	43	445.8	24.7	115			2859
190.3	181.3	44	456.7	25.3				2902
193.7	182.0	45	465.3	25.9				2947
197.9	182.7	46	474.6	26.6				2997
179.2	189.4	43	429.4	23.3	120			2803
183.0	190.8	44	438.8	24.0				2847
186.5	191.4	45	447.4	24.6				2891
190.4	192.2	46	456.7	25.3				2940
171.6	199.2	43	411.0	22.1	125			2743
175.5	200.6	44	420.9	22.7				2790
179.0	201.4	45	429.5	23.3				2836
182.6	202.0	46	438.0	23.9				2880
163.7	209.2	43	392.7	20.7	130			2682
167.6	210.8	44	402.0	21.4				2731
171.1	211.5	45	410.0	22.0				2776
174.6	212.2	46	419.1	22.6				2819
154.7	219.4	43	373.5	19.4	135			2621
159.5	221.1	44	382.8	20.0				2669
163.0	221.9	45	390.9	20.6				2713
166.5	222.7	46	399.5	21.2				2757

SCREW CHILLER

FDCLC-280-2W								جدول 1-21
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
242.7	160.5	43	584	29.6	85	668	16.8	
247.8	161.1	44	595	31.1		680	17.5	
252.4	162.2	45	606	32.0		693	17.9	
257.0	162.8	46	617	32.8		705	18.3	
237.6	168.8	43	569	28.5	90	655	16.4	
241.8	170.1	44	580	30.1		667	17.1	
246.3	170.4	45	591	30.9		679	17.5	
251.0	171.0	46	602	31.7		691	17.9	
230.5	178.3	43	554	27.4	95	641	16.0	
235.2	179.1	44	565	28.9		653	16.1	
239.4	179.7	45	576	29.7		665	16.7	
244.3	180.3	46	587	30.5		676	17.1	
224.8	187.7	43	538	26.4	100	627	16.1	
228.5	188.9	44	548	27.8		638	16.3	
232.7	189.5	45	558	28.5		649	16.5	
237.2	190.1	46	569	29.3		661	16.9	
217.7	198.2	43	521	25.2	105	611	15.0	
221.3	198.2	44	531	26.6		622	15.7	
225.5	199.7	45	541	27.3		633	16.1	
229.9	200.1	46	552	28.1		645	16.4	

FDCLC-280-2A								جدول 2-21
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
214.4	203.6	43	519.5	29.1	115			3295
220.7	204.8	44	529.5	29.9				3348
225.1	205.3	45	540.0	30.7				3402
229.2	205.9	46	550.3	31.4				3454
208.7	215.0	43	501.1	27.8	120			3244
213.2	216.2	44	511.7	28.5				3296
217.3	216.8	45	521.5	29.3				3347
221.6	217.4	46	531.9	30.0				3402
201.7	226.8	43	482.1	26.4	125			3270
205.2	228.2	44	492.6	27.1				3242
209.2	228.8	45	501.9	27.8				3291
213.3	229.4	46	511.7	28.6				3342
193.2	239.0	43	462.0	24.9	130			3085
196.7	240.5	44	471.9	25.7				3181
200.7	241.2	45	481.7	26.3				3232
204.8	241.9	46	491.4	27.0				3283
183.7	251.5	43	440.6	23.5	135			3070
188.1	253.3	44	451.1	24.2				3121
192.1	254.1	45	460.9	24.8				3172
196.0	254.9	46	470.2	25.5				3222

FDCLC-360-2W								جدول 1-22
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
326.0	205.9	43	585	37.0	85	980	38.8	
333.1	206.8	44	600	37.3		999	39.2	
338.4	208.3	45	611	38.2		1010	40.6	
345.7	210.0	46	622	39.1		1033	41.4	
318.1	214.1	43	578	36.0	90	956	38.0	
322.9	215.9	44	586	36.5		970	38.7	
329.3	215.4	45	597	37.3		989	39.5	
335.9	218.1	46	608	38.0		1009	40.3	
308.2	224.0	43	540	35.1	95	919	37.0	
312.6	225.5	44	554	35.6		940	37.5	
319.7	226.1	45	571	36.3		959	38.3	
325.1	226.9	46	582	37.0		970	39.1	
295.1	234.7	43	544	34.0	100	888	35.5	
302.1	235.7	44	555	34.6		908	36.3	
309.3	236.7	45	565	35.3		926	37.0	
314.8	237.9	46	576	36.0		946	37.8	
283.5	246.4	43	525	33.0	105	855	34.4	
290.5	247.6	44	538	33.6		874	34.9	
296.4	248.5	45	549	34.3		892	35.6	
303.9	249.5	46	559	34.9		911	36.4	

FDCLC-360-2A								جدول 2-22
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
269.1	250.8	43	629.5	44.0	115			3994
272.0	252.4	44	644.5	44.7				4067
277.2	253.2	45	657.5	45.7				4133
282.3	254.0	46	669.8	46.6				4197
256.5	263.2	43	607.1	42.1	120			3919
262.2	264.8	44	621.2	43.0				3992
267.1	265.7	45	633.0	43.9				4054
272.3	266.5	46	645.4	44.8				4119
246.3	276.2	43	582.6	40.4	125			3792
251.9	277.9	44	596.6	41.1				3913
256.7	278.8	45	607.9	42.0				3974
261.5	279.6	46	619.7	42.9				4034
237.8	289.6	43	556.5	38.4	130			3757
241.0	291.5	44	570.4	39.2				3829
245.8	292.4	45	581.7	40.0				3889
250.6	293.3	46	593.4	40.9				3950
227.7	303.4	43	530.1	36.5	135			3675
230.0	305.6	44	543.6	37.2				3744
234.6	306.6	45	554.9	38.0				3804
239.3	307.6	46	566.2	38.8				3864

FDCLC-420-2W					جدول 1-23		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
373.2	240.2	43	898	56.2	85	1121	7.1
379.4	241.2	44	912	58.3		1148	7.2
386.7	242.3	45	930	59.4		1172	7.2
394.1	243.9	46	947	91.7		1191	7.4
362.1	250.3	43	875	54.5	90	1092	7.0
370.0	251.3	44	888	56.8		1121	7.1
381.0	253.8	45	905	57.3		1142	7.1
386.8	254.3	46	922	58.2		1163	7.1
351.3	264.3	43	845	52.6	95	1082	6.9
362.2	264.8	44	862	53.1		1111	7.0
367.6	265.9	45	879	54.3		1132	7.0
375.4	266.7	46	896	55.9		1153	7.1
341.2	277.1	43	817	51.3	100	1073	6.8
351.6	278.3	44	835	52.4		1101	6.9
358.2	279.2	45	851	53.9		1123	6.9
367.3	280.0	46	868	54.7		1142	7.0
339.8	292.2	43	785	49.1	105	1063	6.7
345.5	293.5	44	806	50.2		1091	6.8
352.1	294.6	45	823	51.3		1112	6.9
364.9	296.0	46	839	52.4		1131	7.0

FDCLC-420-2A					جدول 2-23		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
311.5	294.8	43	760	53.2	115	4833	
314.1	296.6	44	774.5	54.3		4915	
319.6	297.4	45	789.5	55.5		4984	
325.0	298.3	46	805	56.6		5051	
301.4	308.6	43	731	51.0	120	4763	
304.2	310.3	44	745	52.2		4843	
309.4	311.2	45	759.5	53.2		4908	
314.9	312.1	46	774	54.4		4977	
297.1	322.8	43	701	48.7	125	4738	
302.3	324.7	44	714.5	49.8		4766	
304.5	325.6	45	728.5	50.9		4831	
309.6	326.5	46	743	52.0		4846	
276.5	337.3	43	668	46.3	130	4785	
282.7	339.3	44	682	47.4		4734	
287.8	340.4	45	696	48.5		4748	
292.9	341.3	46	710.5	49.6		4813	
265.6	352.1	43	636	43.9	135	4612	
271.5	354.5	44	649	45.0		4666	
276.5	355.6	45	662.5	46.0		4714	
281.5	356.7	46	676.5	47.0		4764	

FDCLC-480-2W					جدول 1-24		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
423.1	266.9	43	1016	63.4	85	1273	50.1
435.1	267.3	44	1034	65.2		1252	51.2
442.1	268.4	45	1052	66.9		1310	52.3
449.6	269.8	46	1079	67.3		1352	53.4
413.5	277.4	43	996	61.2	90	1241	49.1
425.2	278.9	44	1014	62.3		1263	50.1
431.2	280.6	45	1036	63.4		1282	51.2
439.1	281.3	46	1053	65.6		1309	52.9
403.6	294.2	43	962	60.4	95	1210	48.1
412.6	295.3	44	989	61.2		1235	49.2
420.3	297.1	45	1010	62.7		1256	50.3
427.2	298.8	46	1023	63.8		1272	52.1
390.2	310.5	43	937	58.6	100	1172	47.6
400.2	312.3	44	960	59.4		1193	48.5
411.8	313.4	45	980	60.4		1210	49.3
416.1	315.2	46	999	61.0		1232	50.1
380.2	328.4	43	912	57.0	105	1142	46.2
388.4	329.3	44	932	58.1		1165	47.3
398.4	330.1	45	950	59.2		1183	48.9
405.2	331.2	46	970	60.1		1215	49.2

FDCLC-480-2A					جدول 2-24		
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
360.8	344.4	43	885	62.0	115	5697	
364.6	346.0	44	904	62.9		5787	
369.1	346.6	45	915	64.2		5860	
376.2	347.4	46	937	65.4		5932	
356.7	364.7	43	850	59.7	120	5627	
359.3	366.3	44	868	60.6		5715	
362.0	367.6	45	884.5	61.8		5786	
365.8	367.9	46	905.5	63.1		5859	
351.1	385.6	43	818.5	56.9	125	5554	
354.4	387.4	44	835	58.2		5641	
357.4	388.2	45	852	59.4		5709	
361.4	389.1	46	868	60.6		5779	
336.5	407.5	43	786	54.9	130	5473	
339.2	404.2	44	802	55.7		5560	
342.4	404.6	45	818	56.9		5627	
347.9	410.9	46	834	58.1		5697	
328.5	423.7	43	746.5	52.3	135	5388	
332.9	431.6	44	762.5	53.1		5477	
335.5	432.0	45	782.5	54.2		5543	
339.4	433.4	46	793.5	55.4		5613	

SCREW CHILLER

FDCLC-560-2W 1-25 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
467.0	304.0	43	1128	70.2	85	1414	56.4
478.0	305.6	44	1152	71.3		1438	57.5
486.2	306.2	45	1173	72.4		1465	58.5
497.2	307.3	46	1195	73.5		1493	59.5
461.2	318.0	43	1095	69.2	90	1380	55.1
469.3	319.2	44	1123	70.3		1410	56.2
479.0	320.1	45	1148	71.4		1435	57.6
489.0	321.6	46	1169	72.3		1460	58.5
442.1	334.2	43	1072	67.2	95	1344	53.8
453.8	335.2	44	1094	68.3		1372	55.5
468.2	336.9	45	1119	69.4		1398	56.2
475.1	337.3	46	1140	70.8		1410	57.3
438.0	352.2	43	1043	65.2	100	1301	52.4
455.1	353.3	44	1069	66.7		1335	53.2
472.8	354.2	45	1089	67.8		1364	54.3
494.9	355.0	46	1110	68.9		1389	55.6
425.2	371.5	43	1012	63.3	105	1265	50.2
435.0	372.6	44	1040	64.4		1300	51.2
442.6	373.7	45	1060	65.9		1320	52.3
452.0	374.9	46	1080	66.2		1340	53.3

FDCLC-560-2A 2-25 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
409.0	392.5	43	984.5	70.2	115	6225	
416.3	393.9	44	1006.0	71.4		6326	
422.7	394.6	45	1023.5	72.8		6405	
429.0	395.3	46	1046.5	74.2		6483	
411.5	386.5	43	954.0	66.2	120	6151	
418.5	405.2	44	974.0	69.5		6251	
424.1	414.6	45	991.5	70.3		6329	
428.5	424.1	46	1014.0	71.7		6407	
399.6	435.4	43	916.5	64.7	125	6072	
404.0	437.1	44	935.5	66.4		6172	
409.1	438.4	45	953.0	67.7		6249	
418.2	438.7	46	975.0	69.1		6323	
378.0	457.5	43	876.5	62.5	130	5989	
381.9	454.2	44	895.0	63.6		6084	
387.8	460.6	45	917.0	65.0		6161	
393.9	461.9	46	934.5	66.4		6238	
365.9	474.7	43	834.5	58.1	135	5892	
369.1	482.6	44	853.0	60.7		5994	
375.1	483.0	45	874.5	62.1		6067	
381.1	484.4	46	892.0	63.4		6144	

FDCLC-600-2W 1-26 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
525.2	340.2	43	1272	78.0	85	1579	63.2
540.2	341.3	44	1294	80.6		1614	64.5
549.3	343.8	45	1315	82.5		1650	65.4
553.4	344.9	46	1335	84.6		1680	66.8
515.0	356.2	43	1238	78.5	90	1546	61.2
530.0	357.2	44	1256	79.4		1580	62.3
537.0	358.9	45	1279	80.3		1610	63.4
548.2	359.4	46	1300	81.2		1625	65.5
501.6	374.2	43	1202	75.4	95	1515	60.2
512.3	375.3	44	1235	77.3		1545	61.7
523.2	376.4	45	1256	78.9		1578	62.3
535.4	377.4	46	1278	79.8		1605	63.4
490.0	400.0	43	1181	73.2	100	1482	58.9
500.3	401.2	44	1203	75.2		1506	59.3
510.9	402.6	45	1225	77.5		1532	60.1
520.8	403.6	46	1250	78.2		1553	61.0
475.0	417.0	43	1146	71.2	105	1435	57.3
485.2	418.0	44	1169	74.3		1467	58.2
495.0	419.1	45	1201	76.2		1490	59.4
505.3	420.7	46	1215	77.9		1516	60.0

FDCLC-600-2A 2-26 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	
450.1	441.8	43	1084.0	78.7	115	6920	
463.2	443.4	44	1105.5	80.2		7032	
470.0	443.6	45	1124.0	81.7		7115	
476.7	444.9	46	1143.5	83.3		7199	
460.8	459.5	43	1051.5	76.1	120	6849	
465.1	461.1	44	1073.0	77.6		6959	
471.1	462.4	45	1091.0	79.1		7042	
475.9	462.7	46	1109.5	80.7		7125	
441.1	488.4	43	1017.5	73.7	125	6774	
450.3	490.1	44	1038.5	74.8		6883	
460.8	491.4	45	1057.0	76.3		6964	
470.2	491.7	46	1075.0	77.9		7043	
425.0	507.5	43	981.5	68.9	130	6744	
432.8	510.2	44	1002.5	71.9		6802	
439.3	510.6	45	1020.5	73.4		6880	
445.7	511.9	46	1038.5	74.9		6961	
429.4	503.7	43	926.5	65.9	135	6611	
433.4	509.6	44	980.5	68.9		6722	
438.4	520.0	45	998.5	70.4		6801	
445.0	528.9	46	1016.5	71.9		6882	

FDCLC-200-4W 1-27 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
156.2	109.5	43	372	15.7	85	469	12.5
160.2	110.5	44	383	16.0		477	12.8
163.3	111.5	45	391	16.3		476	13.1
167.2	112.6	46	401	16.8		495	13.4
148.0	113.0	43	368	15.1	90	456	12.1
150.1	114.1	44	377	15.7		464	12.5
153.2	115.1	45	389	15.9		473	12.7
160.0	116.3	46	398	16.2		482	13.0
146.2	118.7	43	355	14.8	95	444	11.8
151.3	119.6	44	365	15.1		452	12.1
153.4	120.4	45	373	15.4		462	12.4
156.2	122.0	46	382	15.6		470	12.6
142.3	129.1	43	346	14.3	100	429	11.6
146.1	130.1	44	356	14.7		439	11.9
147.1	131.2	45	366	14.8		449	12.5
150.2	132.9	46	376	15.1		456	12.8
138.2	134.1	43	329	13.9	105	417	11.0
141.6	135.4	44	339	14.3		423	11.4
143.1	136.4	45	348	14.6		432	11.6
144.2	137.2	46	358	14.9		440	11.9

FDCLC-200-4A 2-27 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
133.5	134.8	43	320.9	13.7	115	2067	
136.3	135.6	44	327.1	14.0		2098	
138.9	136.2	45	333.3	14.3		2131	
141.6	136.6	46	339.7	14.7		2166	
128.3	142.1	43	309.0	12.9	120	2033	
131.3	143.0	44	315.1	13.2		2064	
133.8	143.4	45	320.8	13.6		2094	
136.7	143.8	46	327.8	14.0		2131	
123.2	149.7	43	295.5	12.2	125	1994	
126.1	150.7	44	302.5	12.5		2027	
128.5	151.1	45	308.2	12.8		2058	
131.3	151.5	46	315.1	13.2		2092	
117.8	157.4	43	282.9	11.1	130	1956	
120.7	158.4	44	289.3	11.7		1989	
123.1	159.0	45	295.6	12.1		2020	
125.8	159.5	46	301.5	12.4		2053	
112.5	165.3	43	280.9	10.3	135	1916	
115.1	166.5	44	288.2	11.0		1950	
117.4	167.1	45	294.4	11.3		1979	
119.9	167.8	46	300.1	11.6		2011	

FDCLC-240-4W 1-28 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
195.0	132.1	43	462	19.3	85	580	15.6
198.0	132.9	44	475	19.8		593	15.9
201.2	133.5	45	486	20.4		610	16.2
205.3	134.1	46	495	20.6		622	16.3
190.2	188.6	43	456	18.1	90	566	14.9
197.3	191.9	44	468	19.2		579	15.3
201.2	195.8	45	479	20.2		589	15.6
209.0	198.4	46	490	21.0		600	15.9
137.7	184.6	43	443	17.4	95	554	14.8
139.4	188.5	44	452	18.5		564	15.1
141.2	191.2	45	459	19.3		574	15.4
143.0	193.8	46	468	20.2		584	15.7
183.6	179.2	43	430	16.3	100	536	14.3
189.2	183.4	44	439	17.9		547	14.7
190.9	185.6	45	447	18.8		558	15.0
202.0	189.2	46	455	19.5		569	15.2
173.0	173.2	43	418	15.1	105	520	13.8
177.2	177.6	44	425	16.2		531	14.1
181.2	180.2	45	434	17.4		542	14.5
184.5	183.1	46	442	18.6		553	14.8

FDCLC-240-4A 2-28 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
167.0	170.8	43	391.9	16.2	115	2577	
169.0	171.6	44	399.6	16.9		2616	
171.9	172.0	45	406.3	17.2		2651	
175.0	172.4	46	413.7	17.5		2689	
160.2	184.3	43	379.5	15.6	120	2543	
163.8	185.0	44	387.1	16.2		2582	
166.4	185.4	45	393.3	16.6		2614	
169.5	185.8	46	400.8	16.9		2653	
154.7	192.9	43	360.0	14.9	125	2504	
158.1	193.9	44	368.5	15.6		2543	
160.7	194.3	45	379.7	15.9		2576	
163.8	194.9	46	387.1	16.2		2615	
148.8	202.0	43	355.9	14.3	130	2465	
152.1	203.0	44	359.3	14.9		2503	
154.8	203.6	45	365.6	15.2		2537	
157.9	204.1	46	373.0	15.5		2576	
142.8	211.3	43	337.4	13.6	135	2392	
145.9	212.5	44	344.2	14.2		2411	
148.7	213.1	45	350.9	14.5		2447	
151.4	213.8	46	357.1	14.8		2531	

SCREW CHILLER

FDCLC-280-4W 1-29 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
231.3	155.0	43	555	22.6	85	688	18.4
236.2	157.0	44	567	23.6		704	18.9
241.2	158.0	45	578	24.1		721	19.3
246.2	159.0	46	588	24.6		735	19.7
225.0	160.3	43	540	22.3	90	676	18.0
230.0	161.4	44	551	22.8		688	18.4
233.4	162.5	45	562	23.5		700	18.8
239.0	163.6	46	572	23.9		715	19.1
218.0	168.9	43	522	21.9	95	653	17.4
224.7	169.7	44	534	22.3		667	17.9
228.4	170.5	45	544	22.7		680	18.2
231.9	171.2	46	555	23.4		694	18.6
210.7	177.2	43	504	20.9	100	625	16.8
215.4	178.2	44	514	21.5		644	17.2
219.2	179.3	45	525	21.8		657	17.5
224.1	180.0	46	534	22.2		671	17.8
203.2	185.4	43	485	20.2	105	607	16.1
207.4	186.2	44	496	20.4		620	16.6
212.2	187.3	45	507	21.0		633	16.8
216.3	188.4	46	517	21.4		646	17.3

FDCLC-280-4A 2-29 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
199.8	197.2	43	391.9	16.2	115	2577	
202.5	198.4	44	399.6	16.9		2616	
205.7	199.0	45	406.3	17.2		2651	
209.3	199.6	46	413.7	17.5		2689	
192.5	205.9	43	373.0	15.6	120	2543	
196.0	207.0	44	387.1	16.2		2582	
199.1	207.6	45	393.3	16.6		2614	
202.5	208.2	46	400.8	16.9		2653	
184.2	215.1	43	365.0	14.9	125	2504	
188.7	216.3	44	373.5	15.6		2543	
192.0	216.9	45	379.7	15.9		2576	
195.5	217.5	46	387.1	16.2		2615	
177.5	224.6	43	350.9	14.3	130	2465	
181.5	225.8	44	359.3	14.9		2503	
184.6	226.4	45	365.6	15.2		2537	
188.1	227.1	46	373.0	15.5		2576	
165.3	234.1	43	339.4	13.6	135	2392	
169.1	235.7	44	344.2	14.2		2411	
172.2	236.3	45	350.9	14.5		2447	
175.2	237.2	46	357.1	14.8		2531	

FDCLC-320-4W 1-30 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
266.0	181.0	43	632.0	27.0	85	792	21.2
271.0	182.0	44	649.0	27.5		809	21.6
276.0	184.1	45	661.0	28.0		824	22.2
282.3	185.0	46	674.0	28.5		842	22.3
257.0	189.2	43	622.0	25.3	90	772	20.9
263.2	190.3	44	631.0	25.9		789	21.2
268.7	191.7	45	643.0	26.3		804	21.5
274.0	192.4	46	656.0	26.4		820	21.8
250.0	199.0	43	600.0	25.2	95	751	20.1
255.0	201.0	44	613.0	25.8		766	20.6
260.0	201.9	45	625.0	26.2		781	20.9
265.0	202.1	46	637.0	26.8		796	21.3
242.1	209.8	43	582.0	24.0	100	727	19.5
248.3	210.3	44	594.0	24.6		742	20.1
252.7	211.3	45	605.0	25.2		756	20.8
257.7	213.0	46	617.0	25.9		771	21.5
234.0	220.2	43	561.0	23.1	105	700	18.8
239.0	221.6	44	572.0	23.7		716	19.3
244.8	222.6	45	585.0	24.6		731	19.5
249.2	223.8	46	596.0	25.0		745	20.0

FDCLC-320-4A 2-30 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
224.3	230.6	43	507.9	21.2	115	3517	
228.4	231.8	44	520.1	22.1		3571	
231.8	232.4	45	528.3	22.5		3614	
235.8	233.0	46	537.7	22.9		3664	
217.0	245.3	43	492.5	20.4	120	3466	
221.6	246.4	44	503.6	21.2		3523	
225.1	247.2	45	512.3	21.7		3567	
228.8	247.8	46	521.3	22.1		3614	
209.8	255.3	43	475.5	19.5	125	3412	
214.6	256.7	44	487.0	20.4		3473	
217.8	257.3	45	494.7	20.8		3514	
221.6	257.9	46	503.6	21.2		3562	
203.7	265.8	43	458.4	18.7	130	3366	
207.1	272.0	44	469.3	19.5		3419	
210.5	272.8	45	477.1	19.9		3462	
214.1	273.5	46	485.5	20.3		3507	
190.7	281.1	43	440.9	17.7	135	3279	
194.6	282.9	44	451.2	18.5		3316	
197.9	283.5	45	458.9	19.0		3357	
201.2	284.4	46	466.6	19.4		3450	

FDCLC-360-4W 1-31 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
300.6	201.1	43	722	29.9	85	900	24.0
307.6	202.1	44	735	30.7		917	24.3
312.3	203.4	45	749	31.3		934	24.8
318.3	204.2	46	763	32.0		951	25.3
292.6	210.1	43	701	29.2	90	875	23.5
299.3	211.2	44	718	29.8		897	23.8
305.0	212.2	45	731	30.3		914	24.2
311.6	213.7	46	745	31.2		931	24.9
285.1	221.9	43	682	28.5	95	856	22.9
292.6	222.8	44	699	29.2		874	23.4
297.3	223.7	45	713	29.8		891	23.8
303.6	224.4	46	727	30.3		906	24.3
278.0	234.3	43	664	27.9	100	825	22.1
284.3	235.2	44	678	28.4		850	22.7
289.0	236.4	45	693	28.9		866	23.2
295.3	237.8	46	707	29.5		883	23.6
269.3	247.2	43	645	26.9	105	802	21.5
275.6	248.3	44	659	27.5		824	21.8
280.3	249.2	45	672	28.5		840	22.3
287.3	250.0	46	688	29.2		860	23.0

FDCLC-360-4A 2-31 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
263.3	255.0	43	605.4	26.4	115	4044	
266.2	261.2	44	613.1	27.3		4084	
270.0	261.8	45	621.8	27.8		4132	
274.1	262.4	46	631.7	28.3		4183	
249.0	276.1	43	584.5	25.2	120	3974	
254.3	277.0	44	596.1	26.2		4038	
258.1	277.6	45	605.3	26.8		4085	
262.0	278.2	46	614.8	27.3		4134	
242.3	287.5	43	566.5	24.2	125	3899	
246.9	288.7	44	578.5	25.2		3939	
250.5	289.3	45	587.2	25.7		3984	
254.4	289.9	46	596.6	26.3		4084	
234.1	299.2	43	547.9	23.1	130	3877	
239.1	305.4	44	559.8	24.1		3936	
242.8	306.0	45	568.6	24.6		3982	
246.7	306.9	46	578.0	25.1		4032	
216.3	316.1	43	529.4	22.0	135	3791	
221.2	317.7	44	541.2	23.0		3834	
224.7	318.5	45	549.4	23.5		3878	
227.5	324.2	46	558.1	24.0		3974	

FDCLC-440-4W 1-32 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
379.6	246.6	43	912	38.0	85	1145	30.1
387.3	245.7	44	932	38.9		1166	31.2
396.0	248.3	45	950	39.6		1187	31.6
404.6	249.9	46	968	40.4		1210	32.6
370.0	254.6	43	885	37.0	90	1112	29.5
378.3	256.4	44	906	37.9		1132	30.3
385.0	258.3	45	923	38.5		1155	30.8
393.6	259.9	46	942	39.3		1178	31.5
358.3	265.4	43	858	36.0	95	1076	28.8
366.6	267.9	44	878	36.7		1097	29.3
373.3	269.5	45	895	37.2		1119	29.9
381.6	270.7	46	914	38.4		1142	30.3
345.0	278.6	43	823	34.1	100	1036	27.8
354.3	280.8	44	848	35.2		1060	28.6
360.6	281.4	45	866	36.2		1082	28.9
368.6	283.2	46	883	36.9		1104	29.5
331.6	292.6	43	800	33.1	105	1002	26.7
340.0	293.8	44	816	34.2		1020	27.3
348.0	295.0	45	834	34.9		1042	27.9
355.0	297.7	46	851	35.5		1063	28.4

FDCLC-440-4A 2-32 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
310.1	298.0	43	791.9	31.4	115	4894	
316.5	304.6	44	785.6	32.5		4978	
321.2	305.4	45	796.8	33.2		5036	
326.1	306.2	46	808.7	33.9		5148	
298.1	319.7	43	741.0	29.9	120	4838	
302.1	321.2	44	765.6	31.2		4854	
306.6	322.0	45	773.8	31.9		4960	
311.5	322.8	46	785.3	32.6		5072	
285.0	331.9	43	668.0	28.6	125	4644	
287.0	333.5	44	692.0	29.9		4725	
291.5	334.3	45	699.7	30.5		4831	
296.3	335.3	46	711.1	31.2		4892	
270.3	344.6	43	648.9	27.2	130	4567	
276.8	351.2	44	664.3	28.4		4646	
281.1	352.2	45	674.6	29.1		4651	
285.9	353.1	46	686.0	29.7		4761	
251.9	362.5	43	624.4	25.8	135	4385	
256.2	365.1	44	639.2	27.0		4467	
260.6	365.5	45	649.4	27.6		4570	
264.9	371.6	46	659.6	28.2		4625	

SCREW CHILLER

FDCLC-500-4W 1-33 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
430.6	282.0	43	1035	43.2	85	1285	34.2
440.0	285.6	44	1056	44.1		1320	35.1
449.6	286.6	45	1077	44.9		1345	35.8
457.0	288.2	46	1098	45.8		1371	36.5
420.6	295.2	43	1005	42.0	90	1260	33.2
428.0	298.8	44	1027	42.9		1285	33.9
437.3	299.4	45	1047	44.7		1309	34.8
445.6	301.0	46	1067	45.4		1334	35.4
407.3	309.6	43	971	40.5	95	1210	32.2
416.3	312.2	44	998	41.4		1248	33.5
423.6	314.8	45	1017	42.3		1272	33.8
432.6	315.4	46	1038	43.4		1296	34.4
390.0	325.6	43	942	39.2	100	1200	31.1
403.0	328.2	44	966	40.1		1225	32.3
411.0	330.8	45	985	41.2		1232	32.9
419.6	331.9	46	1004	41.9		1255	33.5
381.3	342.4	43	905	37.5	105	1144	30.1
389.3	343.0	44	933	38.9		1166	31.2
397.0	345.0	45	953	39.5		1188	31.8
404.3	348.5	46	972	40.6		1212	32.4

FDCLC-500-4A 2-33 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
365.1	355.0	43	862.4	36.9	115	5718	
370.7	361.8	44	893.6	38.5		5761	
375.5	362.6	45	905.3	39.3		5821	
380.9	363.6	46	933.2	40.1		5939	
349.7	378.1	43	848.5	35.4	120	5600	
356.1	379.8	44	865.6	36.9		5640	
360.9	380.6	45	881.8	37.7		5750	
366.1	381.6	46	894.8	38.5		5817	
336.6	396.7	43	808.5	33.8	125	5476	
341.0	403.5	44	826.5	35.3		5516	
345.8	404.5	45	842.7	36.1		5576	
350.9	405.3	46	865.1	36.8		5191	
326.4	410.6	43	769.4	32.1	130	5351	
330.6	417.6	44	786.3	33.6		5389	
335.4	418.6	45	808.1	34.3		5450	
340.4	419.5	46	825.0	35.1		5562	
310.7	434.7	43	734.4	30.4	135	5221	
314.9	442.1	44	750.7	31.8		5260	
319.5	443.1	45	766.9	32.5		5369	
324.2	444.2	46	783.1	33.3		5429	

FDCLC-560-4W 1-34 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
492.6	314.6	43	1178	49.1	85	1470	39.1
501.0	316.2	44	1203	50.3		1503	41.8
511.3	318.4	45	1225	51.9		1532	42.2
520.0	319.2	46	1247	52.1		1559	42.9
479.0	330.0	43	1150	48.2	90	1442	38.1
490.0	332.8	44	1170	48.8		1468	39.3
500.0	333.0	45	1191	49.9		1495	39.8
508.6	334.8	46	1216	50.9		1524	40.7
466.3	345.8	43	1124	46.6	95	1391	37.0
477.6	349.9	44	1144	47.8		1428	37.9
486.7	351.2	45	1167	48.6		1458	38.9
495.6	352.3	46	1188	49.3		1486	39.4
455.3	366.6	43	1090	45.2	100	1666	36.1
464.0	368.7	44	1114	46.4		1392	37.1
473.0	369.0	45	1134	48.3		1417	38.2
482.0	371.4	46	1156	49.2		1444	39.0
439.0	386.0	43	1057	44.1	105	1320	35.1
450.0	389.2	44	1079	44.9		1344	35.9
460.0	390.4	45	1100	45.2		1375	36.7
467.0	391.8	46	1122	46.8		1402	37.3

FDCLC-560-4A 2-34 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
424.8	403.6	43	1025.9	42.7	115	6564	
435.8	405.2	44	1046.1	44.5		6607	
446.1	411.0	45	1063.8	45.4		6713	
451.9	411.8	46	1082.7	46.3		6825	
405.0	433.7	43	987.5	41.1	120	6433	
415.9	435.2	44	1007.1	42.8		6504	
426.2	436.0	45	1024.8	43.7		6610	
436.8	436.8	46	1043.3	44.6		6715	
394.9	454.3	43	946.5	39.5	125	6195	
405.4	456.1	44	967.0	41.1		6397	
415.5	456.9	45	984.2	42.0		6496	
416.1	457.7	46	1007.6	42.8		6601	
374.2	475.4	43	905.9	37.7	130	6077	
384.3	482.4	44	925.3	39.4		6275	
394.4	483.2	45	947.6	40.2		6374	
405.0	484.3	46	966.0	41.1		6485	
352.7	501.9	43	864.4	35.9	135	5954	
367.9	504.3	44	882.7	37.5		6156	
378.0	505.3	45	905.4	38.3		6271	
383.1	511.4	46	922.6	39.1		6336	

FDCLC-720-4W 1-35 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
655.3	410.0	43	1566	64.5	85	1955	52.2
666.3	414.8	44	1598	66.5		1997	54.3
679.3	417.2	45	1629	68.2		2036	55.3
692.6	420.2	46	1661	70.2		2076	56.5
633.0	428.8	43	1522	63.7	90	1901	50.8
648.0	431.2	44	1554	65.0		1942	52.8
661.0	434.0	45	1584	67.3		1981	53.8
674.0	437.2	46	1616	68.0		2020	54.8
612.3	448.0	43	1476	61.7	95	1847	49.2
628.0	451.4	44	1507	63.8		1883	51.2
641.6	453.8	45	1537	65.3		1921	52.2
653.7	455.6	46	1567	66.2		1959	53.2
594.0	469.6	43	1422	59.6	100	1777	47.5
607.3	472.6	44	1455	60.7		1819	48.8
619.0	474.6	45	1485	62.1		1856	49.5
632.6	477.8	46	1515	64.7		1894	50.5
573.3	492.8	43	1672	57.3	105	1710	45.7
584.6	495.8	44	1401	59.6		1751	46.7
596.0	498.2	45	1431	60.8		1788	47.8
609.3	500.2	46	1460	61.3		1825	48.6

FDCLC-720-4A 2-35 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
544.1	513.0	43	1316.9	52.5	115	8161	
558.3	520.4	44	1346.1	54.7		8446	
575.4	521.8	45	1367.8	55.8		8626	
583.1	523.0	46	1401.2	57.0		8761	
524.8	545.1	43	1259.0	50.3	120	7999	
533.9	547.4	44	1286.1	52.5		8245	
545.9	548.8	45	1312.8	53.6		8423	
558.1	555.0	46	1340.3	54.7		8550	
495.2	573.1	43	1197.5	48.1	125	7850	
508.7	575.5	44	1225.0	50.2		8089	
525.4	576.9	45	1251.2	51.3		8260	
532.6	578.1	46	1278.1	52.4		8335	
474.7	601.6	43	1135.4	45.8	130	7582	
482.9	604.4	44	1161.8	47.9		7870	
494.6	605.6	45	1188.1	48.9		8004	
506.7	607.1	46	1215.0	50.0		8169	
443.6	630.7	43	1071.9	43.3	135	7364	
456.7	633.9	44	1093.2	45.4		7652	
468.2	635.3	45	1123.4	46.4		7784	
474.8	641.8	46	1144.6	47.5		7919	

FDCLC-840-4W 1-36 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
745.0	479.4	43	1791	75.1	85	2245	59.6
762.0	483.6	44	1827	76.6		2284	61.8
777.3	486.4	45	1863	78.0		2328	63.2
791.6	489.8	46	1898	80.0		2372	64.7
728.6	502.8	43	1742	73.1	90	2168	58.3
741.0	505.0	44	1779	75.5		2223	60.4
756.3	509.8	45	1813	76.9		2266	61.3
770.0	511.8	46	1848	77.9		2309	62.2
712.0	527.0	43	1692	70.3	95	2112	56.5
720.0	531.0	44	1727	72.3		2158	57.6
734.3	533.6	45	1760	74.7		2200	59.8
748.3	536.2	46	1795	75.5		2243	60.1
681.3	554.8	43	1636	68.6	100	2048	54.7
670.0	557.6	44	1672	70.0		2090	56.6
711.0	560.0	45	1705	71.2		2131	57.8
725.0	563.6	46	1739	72.3		2173	58.7
660.6	583.0	43	1582	66.3	105	1979	52.8
673.3	587.4	44	1615	68.6		2019	53.4
687.0	589.8	45	1648	69.0		2060	54.8
701.6	591.0	46	1681	70.8		2101	55.3

FDCLC-840-4A 2-36 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
632.1	611.0	43	1519.9	68.7	115	8841	
647.6	618.8	44	1552.1	71.4		9143	
665.3	620.2	45	1575.8	72.8		9329	
673.4	621.6	46	1610.2	74.2		9471	
612.7	645.9	43	1460.5	66.1	120	8686	
622.9	648.4	44	1491.6	68.7		8947	
635.3	649.8	45	1519.8	70.0		9131	
648.2	656.2	46	1548.8	71.4		9266	
582.7	676.3	43	1399.5	63.3	125	8541	
597.3	679.1	44	1429.5	65.9		8796	
609.8	680.5	45	1457.2	67.2		8975	
627.5	681.9	46	1486.1	68.6		9058	
566.8	707.0	43	1336.4	60.9	130	8276	
576.2	710.0	44	1365.8	63.0		8580	
588.5	711.6	45	1393.6	64.3		8723	
601.3	713.1	46	1422.0	65.6		8896	
530.3	738.1	43	1277.9	57.4	135	8060	
544.7	741.7	44	1306.2	59.9		8365	
556.8	743.3	45	1328.4	61.2		8506	
564.1	750.0	46	1350.6	62.5		8650	

SCREW CHILLER

FDCLC-960-4W 1-37 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
848.0	532.8	43	2032	84.4	85	2545	67.2
864.0	535.2	44	2074	87.0		2592	68.8
881.0	538.2	45	2113	88.1		2641	69.4
897.6	540.2	46	2152	89.0		2690	70.7
827.6	559.6	43	1989	82.4	90	2487	66.5
844.6	562.6	44	2026	85.0		2532	67.8
860.6	564.0	45	2064	86.2		2580	68.1
876.6	567.4	46	2103	87.3		2628	69.2
806.3	589.2	43	1935	81.2	95	2415	64.3
823.3	592.2	44	1975	83.2		2468	65.2
839.6	594.2	45	2012	84.2		2515	66.3
854.0	596.6	46	2050	85.6		2562	67.2
785.3	621.2	43	1876	77.9	100	2353	62.9
800.3	624.2	44	1919	78.9		2399	63.2
815.3	626.2	45	1956	80.2		2445	64.2
831.2	627.2	46	1994	81.3		2492	65.3
760.3	655.6	43	1835	75.6	105	2289	60.7
776.6	658.6	44	1862	76.5		2327	62.2
791.6	660.6	45	1898	77.3		2372	63.5
806.4	662.6	46	1935	78.2		2418	64.5

FDCLC-960-4A 2-37 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
731.5	700.2	43	1763.9	74.2	115	11019	
748.4	707.6	44	1799.1	77.0		11335	
766.9	708.6	45	1834.3	78.5		11529	
775.9	709.8	46	1870.7	80.0		11731	
711.3	738.1	43	1702.0	71.4	120	10864	
723.0	740.4	44	1737.1	74.3		11142	
386.5	741.6	45	1772.3	75.7		11338	
750.1	747.8	46	1803.3	77.1		11530	
683.7	771.9	43	1639.5	68.6	125	10922	
696.8	774.5	44	1673.5	71.4		10995	
709.9	775.7	45	1702.7	72.7		11181	
728.5	777.1	46	1738.6	74.2		11324	
663.8	807.4	43	1568.9	66.1	130	10762	
674.7	809.8	44	1602.3	68.3		10832	
687.9	810.0	45	1637.1	69.7		10930	
701.3	812.3	46	1667.0	71.1		11164	
631.1	841.3	43	1492.4	62.5	135	10541	
642.0	845.9	44	1524.7	65.1		10618	
655.0	846.1	45	1563.9	66.4		10764	
663.0	853.4	46	1593.1	67.8		10918	

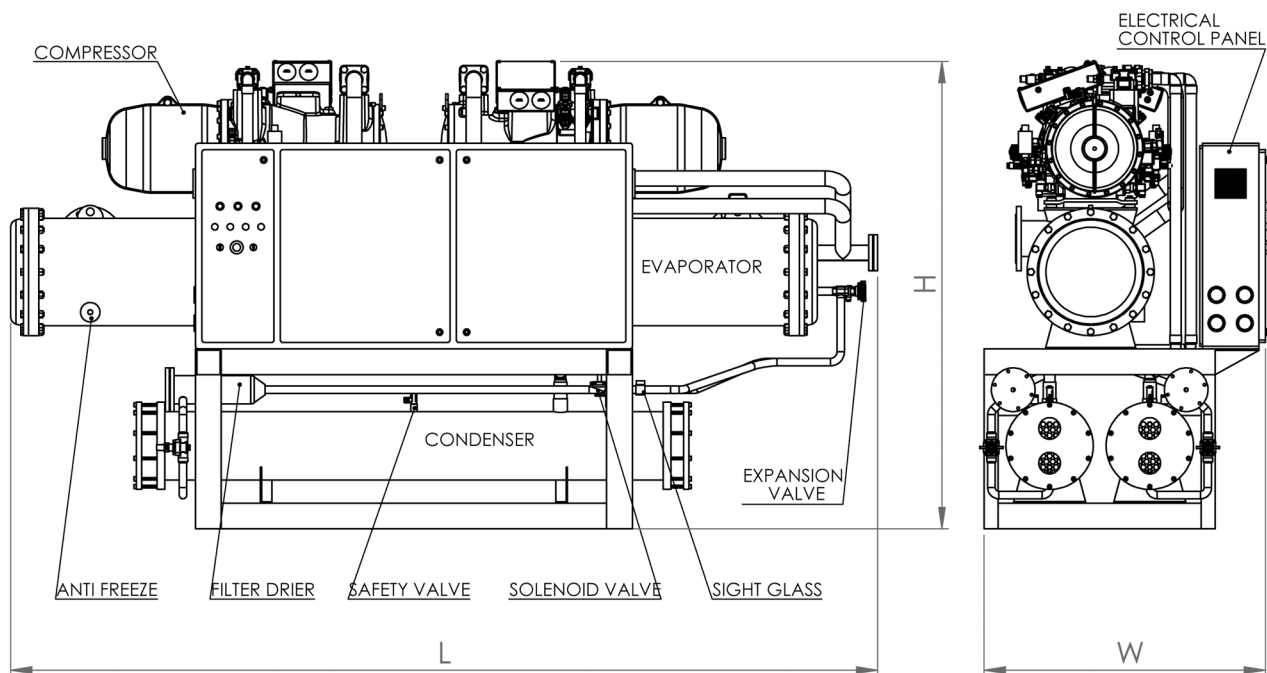
FDCLC-1120-4W 1-38 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
941.0	609.2	43	2255	93.8	85	2812	74.6
959.0	612.0	44	2298	94.6		2875	75.6
976.6	615.4	45	2343	95.6		2928	77.5
994.6	617.6	46	2386	97.3		2982	80.5
919.0	636.2	43	2201	91.6	90	2756	73.9
937.0	640.2	44	2248	92.4		2810	75.3
955.3	642.6	45	2291	94.3		2863	77.8
973.0	644.0	46	2334	96.2		2917	78.9
895.0	669.2	43	2151	90.4	95	2689	71.5
914.0	672.2	44	2194	92.1		2742	72.5
932.6	674.8	45	2235	94.9		2795	73.9
949.6	675.9	46	2278	95.5		2850	75.2
871.6	704.7	43	2095	87.0	100	2610	69.2
890.6	707.4	44	2136	90.7		2670	72.5
907.3	709.0	45	2177	91.4		2721	73.8
925.6	711.6	46	2219	92.9		2774	74.2
846.6	744.2	43	2034	84.4	105	2542	67.1
865.0	746.8	44	2075	87.1		2593	70.5
882.3	747.4	45	2115	88.8		2644	71.9
899.3	749.6	46	2157	90.3		2696	72.7

FDCLC-1120-4A 2-38 جدول							
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA	
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)
823.0	796.4	43	1964.9	83.9	115	12624	
841.9	803.4	44	2003.6	87.3		12713	
861.4	804.6	45	2041.3	89.0		12920	
871.3	805.6	46	2080.2	90.7		13133	
801.8	835.7	43	1864.0	81.0	120	12462	
815.5	838.0	44	1889.1	84.3		12515	
829.8	840.2	45	1976.3	86.0		12723	
844.5	845.4	46	2009.8	87.7		12926	
769.7	871.5	43	1833.0	77.8	125	12050	
788.0	873.9	44	1872.0	81.1		12357	
802.2	871.6	45	1904.2	82.8		12561	
821.8	871.8	46	1942.1	84.5		12712	
751.4	907.4	43	1709.4	74.6	130	11985	
764.5	909.8	44	1747.8	77.8		12080	
778.7	912.0	45	1834.6	79.4		12247	
793.3	914.3	46	1868.0	81.1		12545	
721.9	943.3	43	1678.4	71.1	135	11799	
730.0	947.9	44	1716.2	74.2		11852	
744.1	948.1	45	1757.9	75.9		12062	
753.3	955.4	46	1789.6	77.5		12229	

FDCLC-1200-4W								جدول 1-39
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
1057.2	679.0	43	2545	104.7	85	3173	84.2	
1078.5	681.0	44	2586	105.7		3233	85.8	
1098.2	683.4	45	2634	107.6		3293	86.9	
1118.3	685.2	46	2682	109.5		3353	87.3	
1034.8	712.4	43	2484	107.3	90	3098	82.2	
1053.4	715.8	44	2528	108.2		3159	83.4	
1073.2	717.2	45	2575	109.2		3218	84.2	
1093.2	718.2	46	2623	110.1		3278	85.8	
1005.2	749.2	43	2410	102.1	95	3023	82.2	
1028.8	752.2	44	2466	103.7		3083	83.4	
1047.4	754.6	45	2513	104.6		3141	84.2	
1067.8	756.6	46	2560	106.8		3200	86.2	
983.2	789.6	43	2362	98.1	100	2955	78.1	
1002.3	791.6	44	2404	101.1		3015	80.2	
1021.2	792.5	45	2449	102.2		3063	81.6	
1040.8	794.7	46	2495	103.4		3120	82.3	
956.2	834.0	43	2299	95.2	105	2865	75.9	
974.4	837.0	44	2337	98.2		2923	77.4	
993.2	837.0	45	2383	100.1		2979	78.2	
1012.3	841.0	46	2428	101.2		3036	79.3	

FDCLC-1200-4A								جدول 2-39
ACTUAL CAP. (TON)	POWER (KW)	EWLT. °F	COOLER DATA		CONDENSER LEAVING WATER TEMP. °F	CONDENSER DATA		
			WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)		WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT)	
927.5	895.0	43	2237.9	94.2	115			14164
945.7	902.4	44	2282.6	98.0				14326
966.0	902.6	45	2322.3	99.9				14540
976.8	904.8	46	2363.2	101.8				14817
900.5	937.7	43	2138.0	91.1	120			13907
918.6	940.0	44	2166.6	94.8				14130
933.8	942.2	45	2255.8	96.7				14349
949.4	947.4	46	2291.3	98.6				14612
870.6	977.5	43	2020.5	87.7	125			13763
890.4	979.9	44	2148.0	91.4				13978
905.5	982.1	45	2167.2	93.3				14192
926.0	982.3	46	2222.1	95.2				14403
841.9	1032.4	43	1945.4	84.3	130			13545
866.5	1041.8	44	2022.8	87.9				13765
881.5	1042.0	45	2061.6	89.7				13936
896.8	1044.3	46	2146.0	91.6				14192
811.2	1090.3	43	1938.9	77.6	135			13387
833.6	1095.4	44	2011.7	86.4				13559
845.8	1103.6	45	2054.9	88.1				13779
855.9	1112.9	46	2091.1	89.5				13954

SCREW CHILLER



جداول ابعاد چیلرهای اسکرو شرکت فرم دما:

	L (mm)	W (mm)	H (mm)
FDCLC-50-1W	2350	1100	1600
FDCLC-60-1W	2800	1100	1600
FDCLC-70-1W	2800	1100	1800
FDCLC-80-1W	2800	1350	1850
FDCLC-90-1W	3400	1200	1850
FDCLC-110-1W	3400	1200	1850
FDCLC-125-1W	3400	1200	1850
FDCLC-140-1W	3400	1300	2100
FDCLC-180-1W	3400	1300	2100
FDCLC-210-1W	3450	1400	2250
FDCLC-240-1W	4450	1400	2300
FDCLC-280-1W	4450	1400	2300
FDCLC-300-1W	5500	1400	2300

	L (mm)	W (mm)	H (mm)
FDCLC-50-1A	2350	1200	1050
FDCLC-60-1A	2800	1200	1050
FDCLC-70-1A	2800	1200	1150
FDCLC-80-1A	2800	1450	1200
FDCLC-90-1A	3400	1300	1200
FDCLC-110-1A	3400	1300	1200
FDCLC-125-1A	3400	1300	1200
FDCLC-140-1A	3400	1400	1450
FDCLC-180-1A	3400	1400	1450
FDCLC-210-1A	3450	1500	1550
FDCLC-240-1A	4450	1500	1600
FDCLC-280-1A	4450	1500	1600
FDCLC-300-1A	5500	1500	1600

	L (mm)	W (mm)	H (mm)
FDCLC-100-2W	3400	1200	1850
FDCLC-120-2W	3400	1200	1850
FDCLC-140-2W	3400	1300	1900
FDCLC-160-2W	3400	1300	1900
FDCLC-180-2W	3400	1400	2100
FDCLC-220-2W	4450	1400	2200
FDCLC-250-2W	4450	1400	2250
FDCLC-280-2W	4450	1400	2250
FDCLC-360-2W	5500	1400	2350
FDCLC-420-2W	6500	1550	2450
FDCLC-480-2W	6500	1550	2450

	L (mm)	W (mm)	H (mm)
FDCLC-100-2A	3400	1300	1200
FDCLC-120-2A	3400	1300	1200
FDCLC-140-2A	3400	1400	1250
FDCLC-160-2A	3400	1400	1250
FDCLC-180-2A	3400	1400	1400
FDCLC-220-2A	4450	1500	1500
FDCLC-250-2A	4450	1500	1550
FDCLC-280-2A	4450	1500	1550
FDCLC-360-2A	5500	1500	1650
FDCLC-420-2A	6500	1650	1650
FDCLC-480-2A	6500	1650	1650

	L (mm)	W (mm)	H (mm)
FDCLC-200-4W	3400	1300	2250
FDCLC-240-4W	4450	1300	2250
FDCLC-280-4W	4450	1300	2250
FDCLC-320-4W	4450	1300	2300
FDCLC-360-4W	5500	1300	2300
FDCLC-440-4W	6500	1600	2600
FDCLC-500-4W	6500	1600	2600

	L (mm)	W (mm)	H (mm)
FDCLC-200-4A	3400	1300	1550
FDCLC-240-4A	4450	1300	1550
FDCLC-280-4A	4450	1300	1550
FDCLC-320-4A	4450	1300	1550
FDCLC-360-4A	5500	1300	1550
FDCLC-440-4A	6500	1600	1750
FDCLC-500-4A	6500	1600	1750



Air conditioning Industries Heating and Cooling Unit Manufacturer

آدرس کارخانه: اراک، شهرک قطب، خیابان توسعه یک، شرکت فرم دما	Factory add: The end of Tose-e St., industrial zone, Arak - Iran
کدپستی: ۵۸۷۵ - ۵ - ۳۸۱۹۹	Zip code: 38199-5-5875
صندوق پستی: ۱۴۱۳	P.O.Box: 1413
تلفن: ۳ - ۳۴۱۳۲۵۸۱ (۰۸۶)	Tel: +98 86 34132581 - 3
فکس: ۳۴۱۳۲۵۸۴ (۰۸۶)	Fax: +98 86 34132584
دفتر مرکزی: تهران، خیابان شهید بهشتی، خیابان خالد اسلامبولی، خیابان ۱۴، پلاک ۳	Head office: No. 3, 14th St., Khaled slamboli St., Shahid beheshti Ave., Tehran - Iran
تلفن: ۴۰ - ۸۸۱۰۸۳۳۹ (۰۲۱)	Tel: +98 21 88108339 - 40
فکس: ۸۸۱۰۸۳۳۷ (۰۲۱)	Fax: +98 21 88108337

info@formdama.com

www.formdama.com