

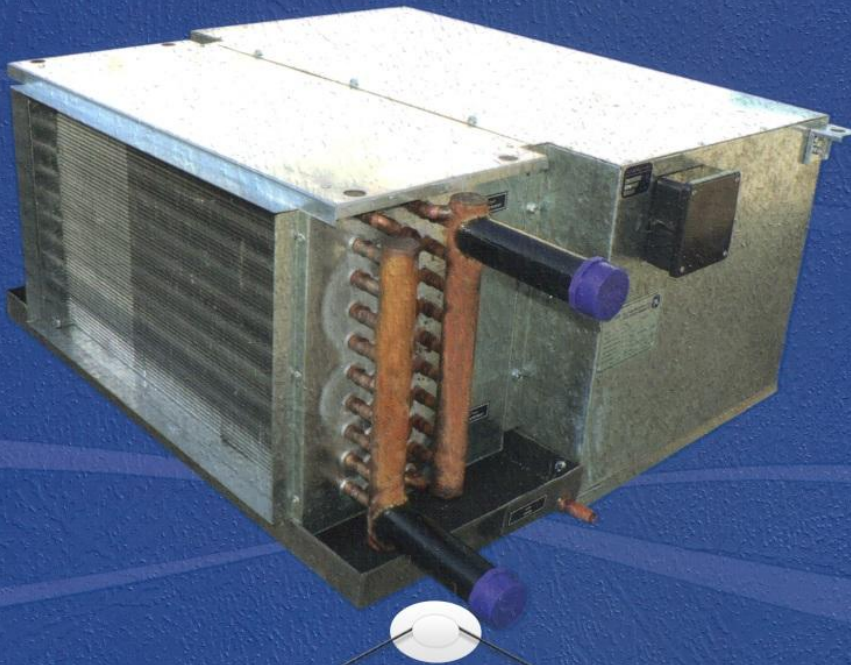


YEKTA TAHVIEH
Arvand

Ducted Fan Coils Unit

From 1020 to 3400 m³/hr

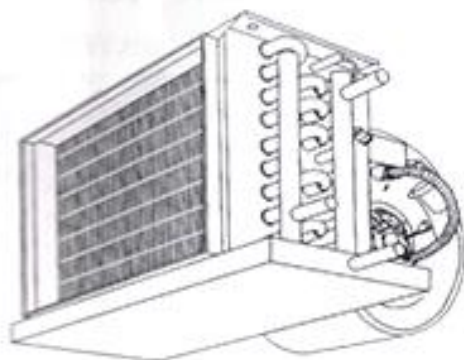
Exposed & Furred – in Ceiling Models



تجهیز تهویه آریا

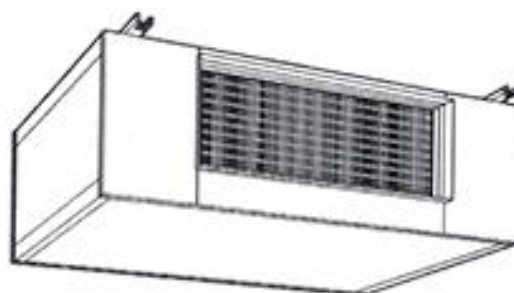


The ADF series



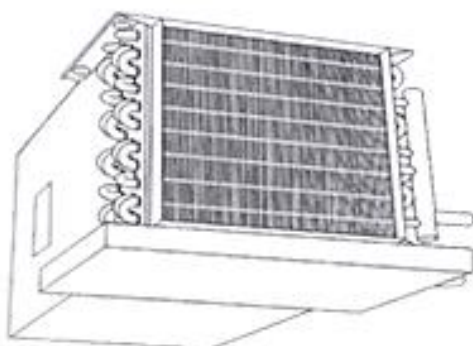
ADFA

Furred - in ceiling model for installation in the ceiling or over the closet.



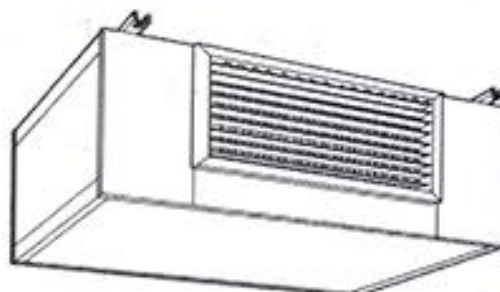
ADFE

Ceiling model with galvanized casing.



ADFC

Furred - in ceiling model with factory - installed insulated plenum.



ADFF

Exposed - ceiling cabinet model with integral double - deflection discharge grille and a bar - type return - air grille.

مشاوره و ارائه خدمات فنی مهندسی، تامین تجهیزات، نظارت و اجراء
Consultant & Supply Of (H.V.A.C) Equipments

تجهیز تهویه آریا
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COOLING CAPACITY RATINGS FOR ADF SERIES

Entering Water Temperature 5 C, differential temperature 5 C (4 ROW COIL)

Model ADF-	Air Flow m ³ /hr	Entering Air DB (°C)	Entering Air WB (°C)											
			17			19			21			23		
			Capacity (1000Kcal/hr)		Water Flow Rate L/hr	Capacity (1000Kcal/hr)		Water Flow Rate L/hr	Capacity (1000Kcal/hr)		Water Flow Rate L/hr	Capacity (1000Kcal/hr)		Water Flow Rate L/hr
			Total	Sensible		Total	Sensible		Total	Sensible		Total	Sensible	
06	1020	25	3.49	2.96	704	4.78	3.05	965	6.21	3.09	1253	7.71	3.06	1557
		27	3.97	3.76	801	4.75	3.45	959	6.18	3.51	1247	7.68	3.50	1551
		30	4.67	4.67	942	4.72	4.04	953	6.14	4.14	1239	7.62	4.15	1539
08	1360	25	4.58	3.90	924	6.21	3.97	1253	8.06	4.02	1627	10.03	3.98	2024
		27	5.21	4.96	1051	6.17	4.50	1245	8.03	4.58	1620	9.98	4.56	2015
		30	6.12	6.12	1236	6.13	5.28	1238	7.97	5.40	1610	9.91	5.41	2000
10	1700	25	5.99	5.03	1209	8.15	5.18	1645	10.40	5.18	2100	12.81	5.08	2585
		27	6.68	6.29	1348	8.11	5.86	1636	10.36	5.89	2092	12.76	5.82	2575
		30	7.79	7.79	1573	8.06	6.87	1627	10.30	6.94	2080	12.67	6.90	2557
12	2040	25	7.75	6.41	1564	10.35	6.51	2089	13.00	6.46	2624	15.89	6.30	3208
		27	8.25	7.67	1666	10.25	7.35	2070	12.95	7.33	2615	15.83	7.22	3196
		30	9.58	9.58	1934	10.21	8.59	2060	12.89	8.62	2601	15.73	8.54	3175
14	2380	25	9.48	7.77	1914	12.45	7.82	2513	15.59	7.73	3147	18.97	7.52	3829
		27	9.82	9.05	1982	12.39	8.83	2502	15.54	8.77	3137	18.91	8.61	3816
		30	11.37	11.37	2294	12.34	10.31	2491	15.46	10.29	3122	18.78	10.17	3791
16	2720	25	-	-	-	12.05	7.75	2432	15.74	7.86	3177	19.64	7.80	3965
		27	10.24	9.81	2067	11.97	8.78	2415	15.67	8.96	3163	19.56	8.94	3948
		30	12.07	12.07	2436	12.09	10.47	2440	15.56	10.58	3141	19.40	10.61	3917
18	3060	25	10.45	8.86	2110	14.25	9.10	2877	18.36	9.15	3705	22.73	9.03	4589
		27	11.84	11.22	2390	14.17	10.30	2859	18.28	10.41	3691	22.64	10.33	4570
		30	13.87	13.87	2801	14.08	12.08	2842	18.17	12.27	3668	22.47	12.26	4537
20	3400	25	11.87	9.99	2395	16.20	10.31	3270	20.71	10.31	4180	25.52	10.13	5152
		27	13.31	12.55	2687	16.11	11.67	3251	20.63	11.73	4164	25.42	11.60	5132
		30	15.55	15.55	3138	16.02	13.67	3233	20.51	13.82	4139	25.24	13.75	5096

COOLING CAPACITY RATINGS FOR ADF VERSION

Entering Water Temperature 7 °C, differential temperature 5 °C (4 ROW COIL)

Model ADF-	Air Flow m ³ /hr	Entering Air DB (°C)	Entering Air WB (°C)											
			17			19			21			23		
			Capacity (1000Kcal/hr)		Water Flow Rate L/hr	Capacity (1000Kcal/hr)		Water Flow Rate L/hr	Capacity (1000Kcal/hr)		Water Flow Rate L/hr	Capacity (1000Kcal/hr)		Water Flow Rate L/hr
			Total	Sensible		Total	Sensible		Total	Sensible		Total	Sensible	
06	1020	25	3.03	2.82	611	3.73	2.52	753	5.20	2.64	1049	6.72	2.66	1356
		27	3.52	3.52	711	3.70	2.89	748	5.17	3.05	1044	6.69	3.08	1350
		30	4.23	4.23	853	4.23	3.90	855	5.14	3.64	1037	6.63	3.70	1339
08	1360	25	-	-	-	4.84	3.29	977	6.74	3.44	1361	8.72	3.45	1760
		27	4.62	4.62	932	4.80	3.77	969	6.71	3.97	1355	8.68	4.01	1753
		30	5.54	5.54	1119	5.55	5.14	1121	6.66	4.74	1345	8.61	4.82	1738
10	1700	25	5.17	4.75	1044	6.52	4.37	1315	11.21	4.44	2262	11.21	4.44	2262
		27	5.95	5.95	1200	6.47	5.01	1306	11.16	5.14	2253	11.16	5.14	2253
		30	7.07	7.07	1428	7.08	6.49	1429	11.08	6.18	2236	11.08	6.18	2236
12	2040	25	6.46	5.85	1303	8.36	5.56	1688	11.07	5.60	2235	13.97	5.53	2819
		27	7.37	7.37	1487	8.32	6.35	1679	11.03	6.44	2227	13.91	6.40	2809
		30	8.71	8.71	1758	8.72	7.90	1760	10.97	7.68	2215	13.82	7.68	2789
14	2380	25	7.72	6.92	1559	10.19	6.72	2057	13.35	6.74	2694	16.73	6.63	3376
		27	8.78	8.78	1773	10.14	7.68	2047	13.30	7.73	2685	16.67	7.65	3365
		30	10.34	10.34	2087	10.36	9.30	2090	13.24	9.21	2672	16.56	9.17	3342
16	2720	25	-	-	-	9.31	6.36	1880	13.12	6.70	2648	17.05	6.75	3441
		27	9.07	9.07	1830	9.23	7.30	1863	13.05	7.74	2635	16.97	7.64	3425
		30	10.92	10.92	2204	10.94	10.18	2208	12.95	9.26	2615	16.82	9.45	3396
18	3060	25	-	-	-	11.25	7.60	2271	15.43	7.86	3115	19.82	7.85	4002
		27	10.52	10.52	2124	11.17	8.71	2255	15.36	9.06	3101	19.74	9.10	3984
		30	12.58	12.58	2538	12.59	11.61	2542	15.26	10.82	3080	19.58	10.95	3953
20	3400	25	10.30	9.48	2080	12.92	8.69	2608	17.48	8.89	3529	22.31	8.83	4504
		27	11.85	11.85	2392	12.83	9.95	2591	17.41	10.24	3515	22.22	10.24	4486
		30	14.10	14.10	2847	14.12	12.96	2851	17.30	12.23	3492	22.05	12.31	4452

HEATING CAPACITY RATINGS FOR ADF VERSION

Entering Water Temperature 80 °C, differential temperature 10 °C (4ROW COIL)

Model ADF-	Air Flow m ³ /hr	Entering Air DB (°C)									
		10		15		20		25		30	
		Capacity (1000Kcal/hr)	Water Flow Rate (L/hr)	Capacity (1000Kcal/hr)	Water Flow Rate (L/hr)	Capacity (1000Kcal/hr)	Water Flow Rate (L/hr)	Capacity (1000Kcal/hr)	Water Flow Rate (L/hr)	Capacity (1000Kcal/hr)	Water Flow Rate (L/hr)
06	1020	15.35	1549	14.03	1416	12.74	1286	11.50	1160	10.27	1036
08	1360	20.38	2057	18.58	1875	16.91	1706	15.26	1541	13.65	1378
10	1700	25.93	2617	23.64	2386	21.53	2173	16.45	1660	17.40	1756
12	2040	31.36	3165	28.61	2887	26.05	2630	23.55	2377	21.09	2129
14	2380	36.79	3713	33.57	3388	30.59	3087	27.66	2792	24.78	2501
16	2720	42.23	4262	38.54	3890	35.12	3545	31.77	3206	28.47	2874
18	3060	47.67	4811	43.51	4392	39.66	4003	35.88	3621	32.17	3247
20	3400	52.82	5332	48.23	4868	43.97	4438	39.78	4015	35.67	3601