

NC[®]class

MODEL #: NC8302 D1 SM

S/N: NC-D17568-A1

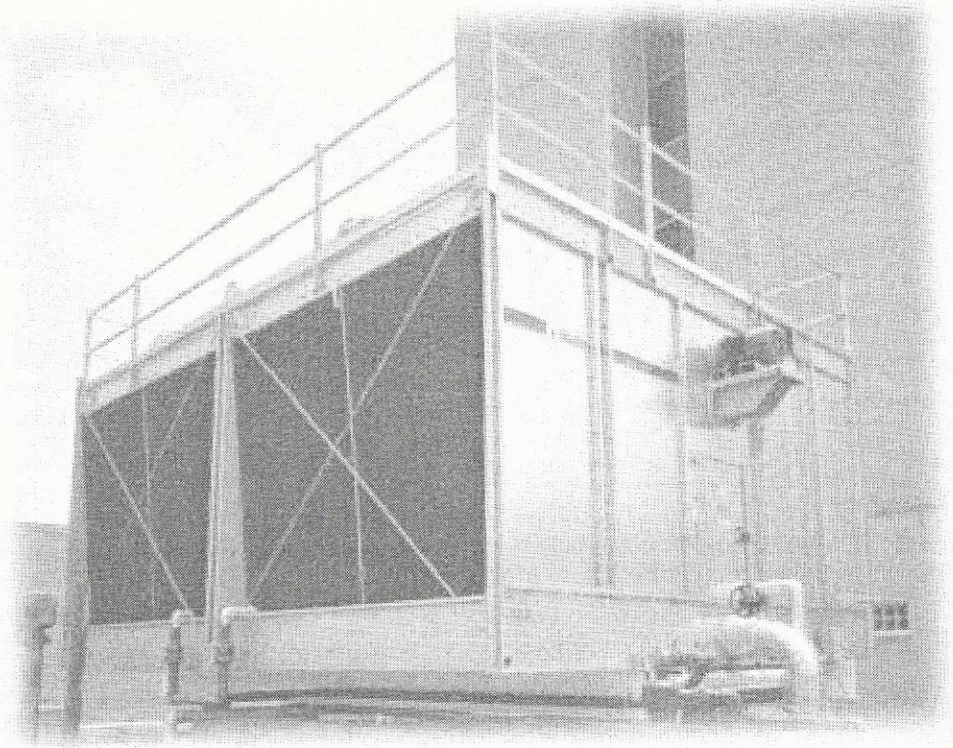
YR: 2007

184 TONS

552 GPM

7 1/2 HP

ALL S-S
CONSTRUCTION



Technical Reference



Marley

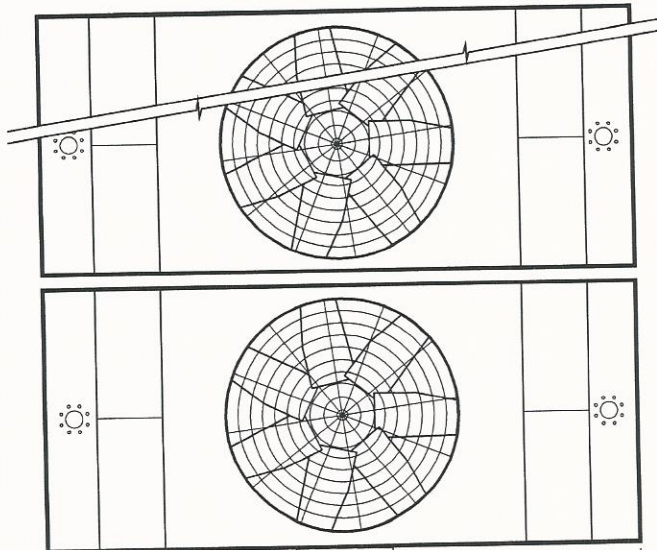
TOWER MODEL SELECTION



Tower Model	Motor bhp	temp	GPM Cooling capability at indicated Hot Water, Cold Water and Wet-Bulb temperatures											
		HW ° F	95	96	100	102	95	97	100	102	95	97	100	102
		CW ° F	85	86	85	87	85	87	85	87	85	87	85	87
		WB ° F	80	80	80	80	78	78	78	78	76	76	76	76
NC8301AL	2		245	278	198	247	297	360	235	282	344	404	269	314
NC8301BL	3		277	315	224	279	336	407	266	319	389	458	305	355
NC8301C	5		334	379	269	336	405	490	321	384	469	551	367	428
NC8301CL	5		334	379	269	336	405	490	321	384	469	551	367	428
NC8301D	7.5		371	421	299	374	450	545	356	427	521	613	408	476
NC8301DL	7.5		369	419	297	371	447	541	354	424	518	608	405	473
NC8301E	10		406	461	327	409	492	596	390	467	570	669	446	521
NC8301EL	10		413	469	333	416	501	607	397	475	581	682	454	530
NC8301F	15		445	506	359	448	540	654	427	512	626	735	489	571
NC8302AL	2		293	332	236	294	354	428	281	336	410	481	321	374
NC8302BL	3		337	382	272	339	408	493	324	387	472	554	370	431
NC8302CL	5		394	447	318	397	477	576	379	453	552	647	433	504
NC8302D	7.5		456	517	368	459	552	667	438	524	639	749	501	584
NC8302DL	7.5		456	517	368	459	552	667	438	524	638	749	501	584
NC8302E	10		506	573	408	509	612	740	485	581	708	830	555	647
NC8302EL	10		503	571	406	507	609	735	483	578	704	825	553	644
NC8302F	15		572	649	**	576	693	838	549	658	802	941	628	733
NC8302FL	15		568	644	457	571	687	830	545	652	795	931	623	726
NC8302G	20		599	680	483	603	726	878	575	689	840	986	658	768
NC8303AL	2		329	372	268	331	396	477	316	376	457	534	360	418
NC8303BL	3		384	434	312	387	462	556	369	439	532	622	420	488
NC8303CL	5		449	507	365	452	540	649	431	513	622	727	491	570
NC8303DL	7.5		509	575	413	512	612	736	489	582	705	823	557	646
NC8303E	10		571	645	464	575	687	825	549	653	791	924	625	725
NC8303EL	10		569	642	462	572	684	822	546	650	788	919	622	722
NC8303F	15		646	730	525	650	777	934	620	739	895	1045	707	820
NC8303FL	15		646	730	525	650	777	933	621	739	895	1043	707	820
NC8303G	20		708	800	575	712	852	1023	680	810	981	1143	775	899
NC8303H	25		741	837	601	745	891	1070	711	847	1026	1197	810	940
NC8304AL	3		445	502	363	448	534	641	428	508	614	717	487	563
NC8304BL	5		543	612	444	547	651	780	523	620	748	871	594	687
NC8304CL	7.5		619	697	505	622	741	887	595	706	851	990	676	781
NC8304D	10		676	762	552	680	810	969	651	771	930	1082	739	854
NC8304DL	10		679	764	554	683	813	972	653	774	933	1085	742	857
NC8304E	15		776	874	634	781	930	1112	747	886	1068	1241	848	981
NC8304EL	15		779	877	636	784	933	1115	750	889	1071	1244	851	984
NC8304F	20		850	956	694	855	1017	1215	817	969	1166	1353	928	1072
NC8304FL	20		849	956	693	855	1017	1215	817	969	1166	1353	928	1072
NC8304G	25		907	1021	740	912	1086	1298	872	1034	1246	1446	991	1145
NC8304GL	25		910	1024	742	915	1089	1300	875	1037	1249	1448	994	1148
NC8304H	30		927	1044	756	932	1110	1327	891	1057	1274	1478	1012	1170
NC8304HL	30		932	1049	760	937	1116	1333	897	1063	1280	1484	1018	1177
NC8305AL	3		515	581	423	519	618	746	496	589	713	839	563	654
NC8305BL	5		634	716	519	639	762	921	610	726	880	1036	694	806
NC8305CL	7.5		700	791	571	705	843	1020	673	802	975	1148	767	892
NC8305D	10		788	890	643	794	948	1147	758	902	1096	1291	862	1003
NC8305DL	10		777	878	634	783	936	1133	747	891	1083	1276	851	991

TOWER SCHEMATIC

NC8301 NC8302 NC8303 NC8304

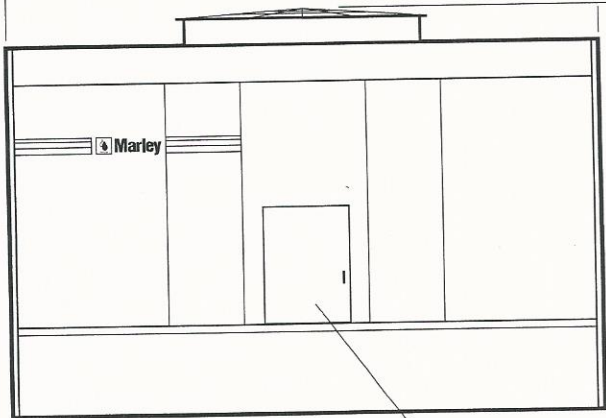


PLAN

15'6"

W

MOTOR ENCLOSURE PROTRUSION MODELS
NC8301E, NC8301EL AND NC8301F ONLY



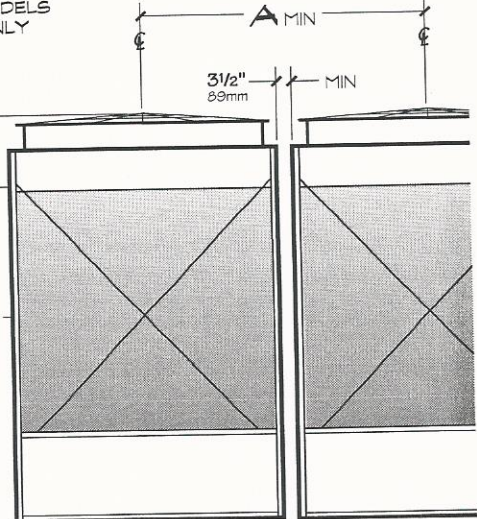
HINGED ACCESS
DOOR

SIDE ELEVATION

10'2³/₄"

H
INSTALLED
HEIGHT

10¹/₈"
257mm



7'10³/₄"

L

3¹/₂"
89mm

MIN

EXCEPT FOR MODELS NC8301E, NC8301EL AND NC8301F,
DIMENSION "A" REPEATS FOR ANY NUMBER OF CELLS.
MODELS NC8301E, NC8301EL AND NC8301F
REQUIRE SPECIAL SPACING FOR 3 OR MORE CELLS.

Tower Model Note 2	Nominal Tons Note 3	Motor hp	dBA 5'-0" from air inlet face	Design Operating Wt/Cell lb	Shipping Weight lb	DIMENSIONS			
						W	L	H	A
NC8301AL-1	99	2	63	8995	4407	14'-0" 4268mm	6'-4 3/4" 1950mm	10'-1 3/8" 3090mm	6'-8 1/4" 2039mm
NC8301BL-1	112	3	67	8995	4407				
NC8301C-1	135	5	75	8929	4341				
NC8301CL-1	135	5	69	9021	4433				
NC8301D-1	150	7 1/2	77	8984	4396				
NC8301DL-1	149	7 1/2	73	9138	4550				
NC8301E-1	164	10	78	9153	4565				
NC8301EL-1	167	10	74	9164	4576				
NC8301F-1	180	15	79	9245	4657	15'-6" 4725mm	7'-10 3/4" 2407mm	10'-2 3/8" 3109mm	8'-2 1/4" 2496mm
NC8302AL-1	118	2	64	11463	5206				
NC8302BL-1	136	3	65	11531	5274				
NC8302CL-1	159	5	68	11557	5300				
NC8302D-1	184	7 1/2	74	11518	5261				
NC8302DL-1	184	7 1/2	72	11638	5381				
NC8302E-1	204	10	76	11544	5287				
NC8302EL-1	203	10	74	11699	5442				
NC8302F-1	231	15	79	11638	5381	15'-6" 4725mm	7'-10 3/4" 2407mm	11'-11 1/4" 3639mm	8'-2 1/4" 2496mm
NC8302FL-1	229	15	76	11638	5381				
NC8302G-1	242	20	80	11699	5442				
NC8303AL-1	132	2	64	11933	5676				
NC8303BL-1	154	3	65	11988	5731				
NC8303CL-1	180	5	68	12014	5757				
NC8303DL-1	204	7 1/2	72	12095	5838				
NC8303E-1	229	10	76	12001	5744				
NC8303EL-1	228	10	74	12156	5899	17'-0" 5182mm	8'-10 3/4" 2712mm	12'-11 3/4" 3956mm	9'-2 1/4" 2801mm
NC8303F-1	259	15	79	12095	5838				
NC8303FL-1	259	15	76	12095	5838				
NC8303G-1	284	20	80	12156	5899				
NC8303H-1	297	25	81	12214	5957				
NC8304AL-1	178	3	64	14420	6745				
NC8304BL-1	217	5	65	14446	6771				
NC8304CL-1	247	7 1/2	66	14527	6852				
NC8304D-1	270	10	72	14406	6731				
NC8304DL-1	271	10	68	14588	6913				
NC8304E-1	310	15	76	14507	6832				
NC8304EL-1	311	15	72	14646	6971				
NC8304F-1	339	20	77	14568	6893				
NC8304FL-1	339	20	73	14708	7033				
NC8304G-1	362	25	82	14626	6951				
NC8304GL-1	363	25	76	14853	7178				
NC8304H-1	370	30	83	14688	7013				
NC8304HL-1	372	30	77	14919	7244				

NOTE

- 1 Use this bulletin for preliminary layouts only. Obtain current drawings from your Marley sales representative. All table data is per cell.
- 2 Last numeral of model number indicates number of cells. Change as appropriate for your selection.
- 3 Nominal tons are based upon 95°F HW, 85°F CW, 78°F WB and 3 GPM/ton.
- 4 Standard overflow is a 4" dia. standpipe in the collection basin floor. The standpipe removes for flush-out and draining. See page 30 for side overflow option.
- 5 Outlet sizes vary according to GPM and arrangement. See pages 30 and 31 for outlet sizes and details.
- 6 Makeup water connection may be 1" or 2" dia., depending upon tower heat load, water pressure, and desired connections. See page 25 for additional information.