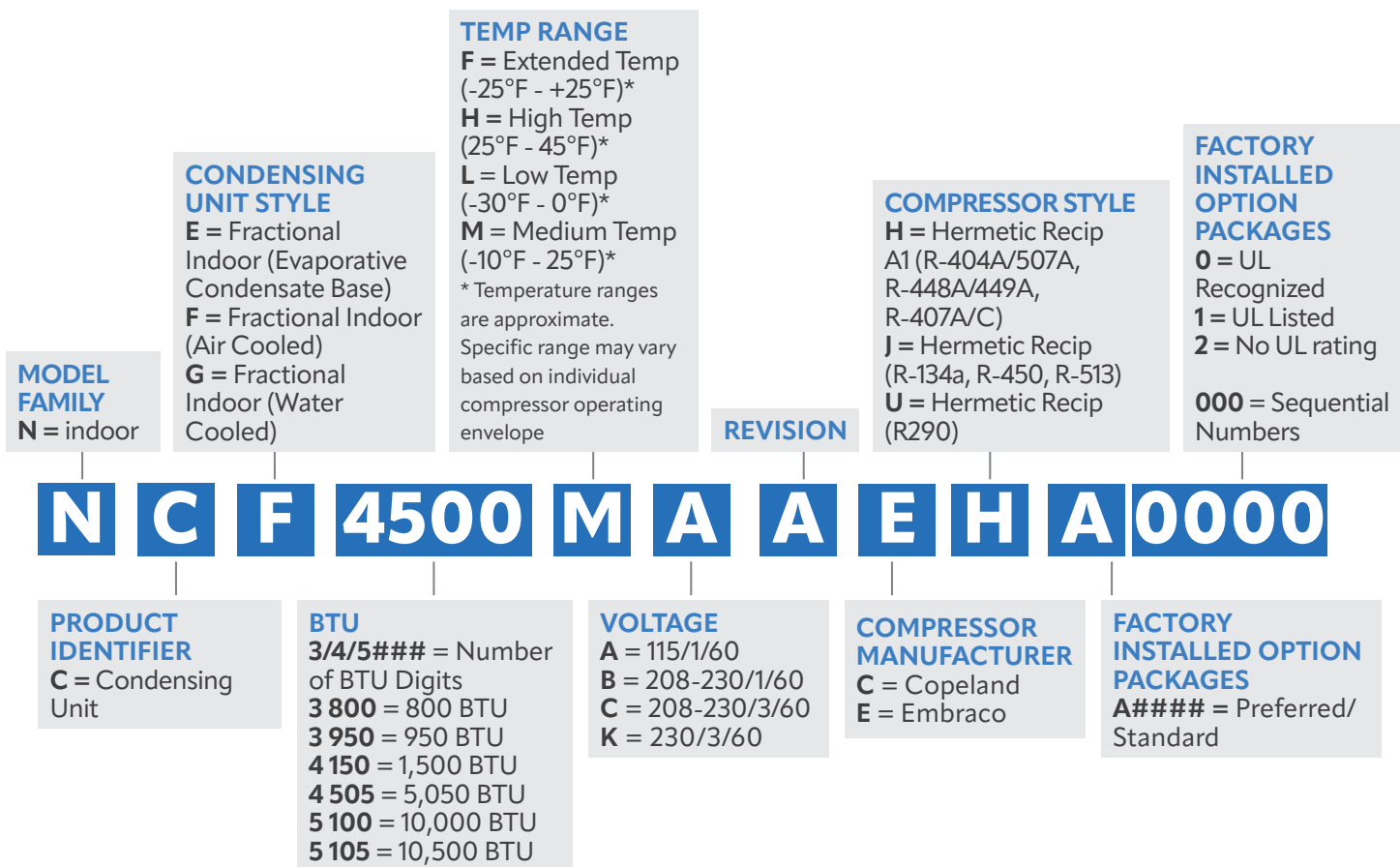


# FRACTIONAL HP SMALL INDOOR CONDENSING UNIT

Technical Guide



# NOMENCLATURE



# STANDARD FEATURES

- Painted chassis
- Unit bearing fan motor (on most models )
- Reciever
- Liquid and suction shut-off valves
- Filter dryer and sight glass
- Power cable whip



## PREFERRED OPTION PACKAGES:

Air-cooled Units	UL Recognized			
	Low Temp HFC		Medium Temp HFC	
	Low Temp <3000 BTU	Low Temp =>3000 BTU	M/EM/HT Temp <6000 BTU	M/EM/HT Temp =>6000 BTU
Feature (Package Code)	A0001	A0002	A0001	A0002
Receiver	X	X	X	X
Liquid Valve	X	X	X	X
Suction Valve	X	X	X	X
Suction Accumulator		X		
Fan Guard	X	X	X	X
End Covers (May be required as standard if thin wall tubing used)				
Power Cord	X	X	X	X
Filter Drier	X	X	X	X
Moisture indicator/sight glass	X	X	X	X
Conduit				
Adjustable Low Pressure Control / Fixed High		X		X
UL Recognized	X	X	X	X
UL Listed				
No UL rating				

# PERFORMANCE DATA - 404A

## Low Temperature

Model	Compressor	Refrigerant	Capacity BTUH @ 90°F Ambient by SST							
			-25	-20	-15	-10	-5	0	5	10
NCF3905LAAEHA0001	NEK2117GK	R-404A	584	679	786	905	1,031	1,172	1,325	1,490
NCF4130L*AEHA0001	NEK2125GK	R-404A	876	1,002	1,143	1,298	1,464	1,650	1,853	2,071
NCF4220L*AEHA0001	NEK2150GK	R-404A	1,461	1,681	1,928	2,201	2,489	2,815	3,170	3,557
NCF4287L*AEHA0001	NEU2168GK	R-404A	1,733	2,014	2,324	2,867	3,026	3,429	3,873	4,348
NCF4445L*AEHA0002	NJ2192GK	R-404A	2,626	3,203	3,809	4,449	5,092	5,786	6,509	7,262

Model	Compressor	Refrigerant	Capacity BTUH @ 95°F Ambient by SST							
			-25	-20	-15	-10	-5	0	5	10
NCF3905LAAEHA0001	NEK2117GK	R-404A	561	651	752	865	989	1,125	1,271	1,428
NCF4130L*AEHA0001	NEK2125GK	R-404A	838	957	1,090	1,237	1,398	1,575	1,766	1,972
NCF4220L*AEHA0001	NEK2150GK	R-404A	1,400	1,627	1,877	2,151	2,451	2,779	3,135	3,520
NCF4287L*AEHA0001	NEU2168GK	R-404A	1,632	1,896	2,189	2,512	2,864	3,248	3,664	4,112
NCF4445L*AEHA0002	NJ2192GK	R-404A	2,381	2,931	3,511	4,121	4,758	5,423	6,116	6,836

Model	Compressor	Refrigerant	Capacity BTUH @ 100°F Ambient by SST							
			-25	-20	-15	-10	-5	0	5	10
NCF3905LAAEHA0001	NEK2117GK	R-404A	527	611	706	811	928	1,056	1,194	1,342
NCF4130L*AEHA0001	NEK2125GK	R-404A	793	905	1,031	1,170	1,323	1,489	1,670	1,864
NCF4220L*AEHA0001	NEK2150GK	R-404A	1,309	1,527	1,766	2,027	2,313	2,624	2,962	3,328
NCF4287L*AEHA0001	NEU2168GK	R-404A	1,529	1,781	2,059	2,365	2,699	3,064	3,458	3,884
NCF4445L*AEHA0002	NJ2192GK	R-404A	2,143	2,670	3,228	3,814	4,428	5,069	5,737	6,432

Model	Compressor	Refrigerant	Capacity BTUH @ 120°F Ambient by SST							
			-25	-20	-15	-10	-5	0	5	10
NCF3905LAAEHA0001	NEK2117GK	R-404A	441	508	586	673	770	877	992	1,117
NCF4130L*AEHA0001	NEK2125GK	R-404A	671	766	873	991	1,120	1,261	1,413	1,577
NCF4220L*AEHA0001	NEK2150GK	R-404A	1,061	1,234	1,463	1,692	1,939	2,208	2,499	2,812
NCF4287L*AEHA0001	NEU2168GK	R-404A	1,263	1,478	1,717	1,979	2,266	2,579	2,917	3,281
NCF4445L*AEHA0002	NJ2192GK	R-404A	1,576	2,038	2,530	3,050	3,597	4,169	4,765	5,386

\*Electrical: A=115/1/60, B=208-230/1/60

# PERFORMANCE DATA - 134A/450/513

## Low Temperature

Model	Compressor	Refrigerant	Capacity BTUH @ 90°F Ambient by SST							
			-25	-20	-15	-10	-5	0	5	10
NCF4122L*AEJA0001	EM2U3125Z	134a	758	896	1,050	1,221	1,404	1,612	1,841	2,092
		450	667	789	924	1,075	1,236	1,419	1,620	1,841
		513	758	896	1,050	1,221	1,404	1,612	1,841	2,092
NCF4245L*AEJA0001	NT2152Z	134a	-	1,622	2,029	2,453	2,882	3,347	3,831	4,329
		450	-	1,427	1,786	2,159	2,536	2,945	3,371	3,810
		513	-	1,622	2,029	2,453	2,882	3,347	3,831	4,329

Model	Compressor	Refrigerant	Capacity BTUH @ 95°F Ambient by SST							
			-25	-20	-15	-10	-5	0	5	10
NCF4122L*AEJA0001	EM2U3125Z	134a	725	857	1,006	1,171	1,353	1,565	1,776	2,018
		450	638	754	885	1,030	1,191	1,377	1,563	1,776
		513	725	857	1,006	1,171	1,353	1,565	1,776	2,018
NCF4245L*AEJA0001	NT2152Z	134a	-	1,486	1,892	2,312	2,750	3,205	3,676	4,162
		450	-	1,308	1,665	2,035	2,420	2,820	3,235	3,662
		513	-	1,486	1,892	2,312	2,750	3,205	3,676	4,162

Model	Compressor	Refrigerant	Capacity BTUH @ 100°F Ambient by SST							
			-25	-20	-15	-10	-5	0	5	10
NCF4122L*AEJA0001	EM2U3125Z	134a	687	815	958	1,117	1,294	1,489	1,702	1,937
		450	605	717	843	983	1,139	1,310	1,498	1,704
		513	687	815	958	1,117	1,294	1,489	1,702	1,937
NCF4245L*AEJA0001	NT2152Z	134a	-	1,335	1,744	2,165	2,599	3,048	3,512	3,987
		450	-	1,175	1,535	1,905	2,287	2,683	3,090	3,508
		513	-	1,335	1,744	2,165	2,599	3,048	3,512	3,987

Model	Compressor	Refrigerant	Capacity BTUH @ 120°F Ambient by SST							
			-25	-20	-15	-10	-5	0	5	10
NCF4122L*AEJA0001	EM2U3125Z	134a	543	650	771	906	1,057	1,224	1,409	1,611
		450	478	572	678	798	930	1,078	1,240	1,417
		513	543	650	771	906	1,057	1,224	1,409	1,611
NCF4245L*AEJA0001	NT2152Z	134a	-	880	1,306	1,731	2,162	2,601	3,046	3,497
		450	-	775	1,149	1,524	1,903	2,288	2,680	3,077
		513	-	880	1,306	1,731	2,162	2,601	3,046	3,497

# PERFORMANCE DATA - 404A/407C/448A/449A

## Medium Temperature

Model	Compressor	Refrigerant	Capacity BTUH @ 90°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4186M*AEHA0001	NEK6144GK	404A	1,818	1,160	1,314	1,482	1,663	1,859	2,069	-	-	-
		407C	1,491	951	1,078	1,215	1,364	1,524	1,697	-	-	-
		448A/449A	-	986	1,117	1,260	1,414	1,580	1,759	-	-	-
NCF4367M*AEHA0001	NEU6212GK	404A	2,034	2,249	2,509	2,826	3,208	3,670	4,329	-	-	-
		407C	1,668	1,844	2,057	2,317	2,631	3,009	3,550	-	-	-
		448A/449A	-	1,912	2,133	2,402	2,727	3,120	3,680	-	-	-
NCF4589M*AEHA0001	NT6220GKV	404A	3,286	3,760	4,281	4,851	5,447	5,885	6,827	-	-	-
		407C	2,695	3,083	3,510	3,978	4,467	4,826	5,598	-	-	-
		448A/449A	-	3,196	3,639	4,123	4,630	5,002	5,803	-	-	-
NCF4762M*AEHA0002	NT6222GKV	404A	4,173	4,780	5,431	6,124	6,836	7,621	8,458	-	-	-
		407C	3,422	3,920	4,453	5,022	5,606	6,249	6,936	-	-	-
		448A/449A	-	4,063	4,616	5,205	5,811	6,478	7,189	-	-	-
NCF4890M*AEHA0002	NT6226GKV	404A	5,061	5,696	6,388	7,146	7,978	8,895	9,912	-	-	-
		407C	4,150	4,671	5,238	5,860	6,542	7,294	8,128	-	-	-
		448A/449A	-	4,842	5,430	6,074	6,781	7,561	8,425	-	-	-

Model	Compressor	Refrigerant	Capacity BTUH @ 95°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4186M*AEHA0001	NEK6144GK	404A	957	1,090	1,236	1,394	1,566	1,751	1,950	-	-	-
		407C	784	894	1,013	1,143	1,284	1,436	1,599	-	-	-
		448A/449A	-	926	1,050	1,185	1,331	1,489	1,658	-	-	-
NCF4367M*AEHA0001	NEU6212GK	404A	1,997	2,220	2,485	2,802	3,180	3,632	4,171	-	-	-
		407C	1,637	1,820	2,038	2,297	2,608	2,978	3,420	-	-	-
		448A/449A	-	1,887	2,112	2,381	2,703	3,087	3,545	-	-	-
NCF4589M*AEHA0001	NT6220GKV	404A	2,942	3,369	3,830	4,324	4,852	5,413	6,006	-	-	-
		407C	2,413	2,763	3,140	3,546	3,979	4,438	4,925	-	-	-
		448A/449A	-	2,864	3,255	3,676	4,124	4,601	5,105	-	-	-
NCF4762M*AEHA0002	NT6222GKV	404A	3,930	4,504	5,120	5,778	6,481	7,229	8,027	-	-	-
		407C	3,222	3,693	4,198	4,738	5,314	5,928	6,582	-	-	-
		448A/449A	-	3,828	4,352	4,912	5,509	6,145	6,823	-	-	-
NCF4890M*AEHA0002	NT6226GKV	404A	4,765	5,369	6,030	6,756	7,554	8,434	9,409	-	-	-
		407C	3,907	4,402	4,945	5,540	6,194	6,916	7,716	-	-	-
		448A/449A	-	4,564	5,126	5,743	6,421	7,169	7,998	-	-	-

\*Electrical: A=115/1/60, B=208-230/1/60

# PERFORMANCE DATA - 404A/407C/448A/449A

## Medium Temperature

Model	Compressor	Refrigerant	Capacity BTUH @ 100°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4186M*AEHA0001	NEK6144GK	404A	895	1,021	1,158	1,307	1,469	1,644	1,832	-	-	-
		407C	734	837	949	1,072	1,205	1,348	1,502	-	-	-
		448A/449A	-	867	984	1,111	1,249	1,398	1,557	-	-	-
NCF4367M*AEHA0001	NEU6212GK	404A	1,875	2,086	2,337	2,637	2,996	3,424	3,936	-	-	-
		407C	1,538	1,710	1,916	2,162	2,457	2,808	3,228	-	-	-
		448A/449A	-	1,773	1,986	2,241	2,546	2,911	3,346	-	-	-
NCF4589M*AEHA0001	NT6220GKV	404A	2,733	3,137	3,572	4,039	4,538	5,068	5,627	-	-	-
		407C	2,241	2,572	2,929	3,312	3,721	4,156	4,614	-	-	-
		448A/449A	-	2,666	3,036	3,434	3,857	4,308	4,783	-	-	-
NCF4762M*AEHA0002	NT6222GKV	404A	3,699	4,243	5,278	5,458	6,130	6,846	7,571	-	-	-
		407C	3,033	3,480	4,328	4,476	5,026	5,614	6,208	-	-	-
		448A/449A	-	3,607	4,487	4,640	5,210	5,819	6,436	-	-	-
NCF4890M*AEHA0002	NT6226GKV	404A	4,481	5,053	5,682	6,374	7,136	7,977	8,909	-	-	-
		407C	3,674	4,143	4,659	5,227	5,851	6,541	7,305	-	-	-
		448A/449A	-	4,295	4,830	5,418	6,065	6,780	7,572	-	-	-

Model	Compressor	Refrigerant	Capacity BTUH @ 120°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4186M*AEHA0001	NEK6144GK	404A	740	844	958	1,083	1,219	1,366	1,523	-	-	-
		407C	607	692	786	888	1,000	1,120	1,249	-	-	-
		448A/449A	-	717	815	921	1,036	1,161	1,294	-	-	-
NCF4367M*AEHA0001	NEU6212GK	404A	1,566	1,742	1,955	2,210	2,516	2,883	3,321	-	-	-
		407C	1,284	1,429	1,603	1,812	2,063	2,364	2,723	-	-	-
		448A/449A	-	1,481	1,662	1,879	2,139	2,451	2,823	-	-	-
NCF4589M*AEHA0001	NT6220GKV	404A	2,197	2,538	2,906	3,301	3,723	4,169	4,639	-	-	-
		407C	1,801	2,081	2,383	2,707	3,053	3,419	3,804	-	-	-
		448A/449A	-	2,157	2,470	2,806	3,164	3,544	3,943	-	-	-
NCF4762M*AEHA0002	NT6222GKV	404A	3,164	3,621	4,121	4,663	5,246	5,869	6,535	-	-	-
		407C	2,594	2,969	3,380	3,824	4,301	4,813	5,359	-	-	-
		448A/449A	-	3,078	3,503	3,964	4,459	4,989	5,555	-	-	-
NCF4890M*AEHA0002	NT6226GKV	404A	3,803	4,284	4,820	5,415	6,074	6,804	7,613	-	-	-
		407C	3,119	3,513	3,953	4,440	4,981	5,579	6,243	-	-	-
		448A/449A	-	3,641	4,097	4,603	5,163	5,783	6,471	-	-	-

\*Electrical: A=115/1/60, B=208-230/1/60

# PERFORMANCE DATA - 134A/450/513

## Medium Temperature

Model	Compressor	Refrigerant	Capacity BTUH @ 90°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4234MAEJA0001	FFI10HAK	134a	–	1,519	1,724	1,945	2,183	2,335	2,556	2,738	2,952	3,165
		450	–	1,337	1,517	1,711	1,921	2,055	2,249	2,410	2,598	2,785
		513	–	1,519	1,724	1,945	2,183	2,335	2,556	2,738	2,952	3,165
NCF4315M*AEJA0001	FFI12HBX	134a	–	1,894	2,169	2,470	2,798	3,153	3,536	3,955	4,404	4,880
		450	–	1,667	1,909	2,174	2,463	2,775	3,112	3,481	3,876	4,295
		513	–	1,894	2,169	2,470	2,798	3,153	3,536	3,955	4,404	4,880
NCF4456M*AEJA0001	NEU6214Z	134a	–	2,702	3,116	3,565	4,034	4,560	5,129	5,758	6,415	7,149
		450	–	2,378	2,742	3,137	3,550	4,013	4,514	5,067	5,645	6,291
		513	–	2,702	3,116	3,565	4,034	4,560	5,129	5,758	6,415	7,149
NCF4523M*AEJA0001	NT6220Z	134a	–	3,497	3,836	4,232	4,681	5,232	5,894	6,709	7,664	8,864
		450	–	3,077	3,376	3,724	4,119	4,604	5,187	5,904	6,744	7,800
		513	–	3,497	3,836	4,232	4,681	5,232	5,894	6,709	7,664	8,864

Model	Compressor	Refrigerant	Capacity BTUH @ 95°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4234MAEJA0001	FFI10HAK	134a	–	1,519	1,724	1,945	2,183	2,335	2,556	2,738	2,952	3,165
		450	–	1,337	1,517	1,711	1,921	2,055	2,249	2,410	2,598	2,785
		513	–	1,519	1,724	1,945	2,183	2,335	2,556	2,738	2,952	3,165
NCF4315M*AEJA0001	FFI12HBX	134a	–	1,815	2,081	2,364	2,688	3,031	3,399	3,805	4,241	4,702
		450	–	1,597	1,831	2,081	2,365	2,667	2,992	3,349	3,732	4,138
		513	–	1,815	2,081	2,364	2,688	3,031	3,399	3,805	4,241	4,702
NCF4456M*AEJA0001	NEU6214Z	134a	–	2,606	3,009	3,446	3,919	4,430	4,983	5,595	6,260	6,978
		450	–	2,294	2,648	3,032	3,448	3,899	4,385	4,924	5,509	6,140
		513	–	2,606	3,009	3,446	3,919	4,430	4,983	5,595	6,260	6,978
NCF4523M*AEJA0001	NT6220Z	134a	–	3,343	3,663	4,040	4,487	5,021	5,661	6,454	7,419	8,591
		450	–	2,942	3,223	3,556	3,949	4,418	4,982	5,679	6,529	7,560
		513	–	3,343	3,663	4,040	4,487	5,021	5,661	6,454	7,419	8,591

\*Electrical: A=115/1/60, B=208-230/1/60

# PERFORMANCE DATA - 134A/450/513

## Medium Temperature

Model	Compressor	Refrigerant	Capacity BTUH @ 100°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4234MAEJA0001	FFI10HAK	134a	–	1,448	1,647	1,861	2,093	2,245	2,466	2,648	2,862	3,075
		450	–	1,274	1,449	1,638	1,842	1,976	2,170	2,330	2,518	2,706
		513	–	1,448	1,647	1,861	2,093	2,245	2,466	2,648	2,862	3,075
NCF4315M*AEJA0001	FFI12HBX	134a	–	1,735	1,991	2,271	2,576	2,907	3,262	3,655	4,076	4,523
		450	–	1,527	1,752	1,999	2,267	2,558	2,871	3,216	3,587	3,980
		513	–	1,735	1,991	2,271	2,576	2,907	3,262	3,655	4,076	4,523
NCF4456M*AEJA0001	NEU6214Z	134a	–	2,498	2,890	3,316	3,776	4,275	4,812	5,411	6,061	6,762
		450	–	2,198	2,543	2,918	3,323	3,762	4,235	4,761	5,333	5,951
		513	–	2,498	2,890	3,316	3,776	4,275	4,812	5,411	6,061	6,762
NCF4523M*AEJA0001	NT6220Z	134a	–	3,191	3,492	3,851	4,281	4,796	5,418	6,190	7,133	8,279
		450	–	2,808	3,073	3,389	3,767	4,221	4,767	5,447	6,277	7,285
		513	–	3,191	3,492	3,851	4,281	4,796	5,418	6,190	7,133	8,279

Model	Compressor	Refrigerant	Capacity BTUH @ 120°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4234MAEJA0001	FFI10HAK	134a	–	1,165	1,340	1,528	1,731	1,883	2,103	2,286	2,500	2,713
		450	–	1,025	1,179	1,345	1,523	1,657	1,851	2,012	2,200	2,387
		513	–	1,165	1,340	1,528	1,731	1,883	2,103	2,286	2,500	2,713
NCF4315M*AEJA0001	FFI12HBX	134a	–	1,407	1,625	1,863	2,121	2,401	2,702	3,040	3,405	3,793
		450	–	1,238	1,430	1,639	1,867	2,113	2,377	2,675	2,996	3,338
		513	–	1,407	1,625	1,863	2,121	2,401	2,702	3,040	3,405	3,793
NCF4456M*AEJA0001	NEU6214Z	134a	–	2,219	2,583	2,978	3,406	3,868	4,366	4,925	5,535	6,194
		450	–	1,953	2,273	2,621	2,997	3,403	3,842	4,334	4,871	5,450
		513	–	2,219	2,583	2,978	3,406	3,868	4,366	4,925	5,535	6,194
NCF4523M*AEJA0001	NT6220Z	134a	–	2,877	3,119	3,424	3,801	4,264	4,829	5,544	6,422	7,494
		450	–	2,532	2,745	3,013	3,345	3,752	4,249	4,878	5,652	6,595
		513	–	2,877	3,119	3,424	3,801	4,264	4,829	5,544	6,422	7,494

\*Electrical: A=115/1/60, B=208-230/1/60

# PERFORMANCE DATA - 134A/450/513

## High Temperature

Model	Compressor	Refrigerant	Capacity BTUH @ 90°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4316H*AEJA0001	FF85HBK	134a	–	1,164	1,339	1,536	1,753	1,991	2,242	2,516	2,824	3,159
		450	–	1,024	1,178	1,352	1,543	1,752	1,973	2,214	2,485	2,780
		513	–	1,164	1,339	1,536	1,753	1,991	2,242	2,516	2,824	3,159
NCF4684H*AEJA0001	NT6217Z	134a	–	2,501	2,904	3,347	3,832	4,358	4,905	5,493	6,145	6,841
		450	–	2,201	2,556	2,945	3,372	3,835	4,316	4,834	5,408	6,020
		–	–	2,501	2,904	3,347	3,832	4,358	4,905	5,493	6,145	6,841

Model	Compressor	Refrigerant	Capacity BTUH @ 95°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4316H*AEJA0001	FF85HBK	134a	–	973	1,124	1,293	1,478	1,681	1,903	2,149	2,416	2,701
		450	–	856	990	1,137	1,301	1,480	1,675	1,891	2,126	2,377
		513	–	973	1,124	1,293	1,478	1,681	1,903	2,149	2,416	2,701
NCF4684H*AEJA0001	NT6217Z	134a	–	3,042	3,507	4,014	4,564	5,159	5,802	6,511	7,277	8,096
		450	–	2,677	3,086	3,532	4,016	4,540	5,105	5,730	6,404	7,125
		–	–	3,042	3,507	4,014	4,564	5,159	5,802	6,511	7,277	8,096

Model	Compressor	Refrigerant	Capacity BTUH @ 100°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4316H*AEJA0001	FF85HBK	134a	–	931	1,077	1,238	1,416	1,612	1,825	2,062	2,320	2,596
		450	–	820	947	1,090	1,246	1,418	1,606	1,815	2,041	2,284
		513	–	931	1,077	1,238	1,416	1,612	1,825	2,062	2,320	2,596
NCF4684H*AEJA0001	NT6217Z	134a	–	2,880	3,329	3,819	4,351	4,926	5,546	6,234	6,977	7,772
		450	–	2,534	2,930	3,361	3,829	4,335	4,881	5,486	6,140	6,839
		–	–	2,880	3,329	3,819	4,351	4,926	5,546	6,234	6,977	7,772

Model	Compressor	Refrigerant	Capacity BTUH @ 120°F Ambient by SST									
			0	5	10	15	20	25	30	35	40	45
NCF4316H*AEJA0001	FF85HBK	134a	–	757	878	1,014	1,163	1,327	1,505	1,707	1,928	2,165
		450	–	666	773	892	1,023	1,167	1,324	1,502	1,696	1,905
		513	–	757	878	1,014	1,163	1,327	1,505	1,707	1,928	2,165
NCF4684H*AEJA0001	NT6217Z	134a	–	2,449	2,860	3,306	3,790	4,312	4,874	5,504	6,186	6,917
		450	–	2,155	2,517	2,909	3,335	3,795	4,290	4,843	5,444	6,087
		–	–	2,449	2,860	3,306	3,790	4,312	4,874	5,504	6,186	6,917

\*Electrical: A=115/1/60, B=208-230/1/60

# ELECTRICAL SPECIFICATIONS

Model	Compressor	UL Recognized					MCA	MOPD
		Voltage	Compressor		Fan			
			RLA	LRA	No. Fans	FLA (each)		
NCF3905LAAEH*	NEK2117GK	115/1/60	4.0	28.5	1	0.4	5.4	15
NCF4130LAAEH*	NEK2125GK	115/1/60	4.2	26.5	1	0.8	6.1	15
NCF4130LBAEH*	NEK2125GK-B	230/1/60	2.3	13.0	1	0.4	3.3	15
NCF4220LAAEH*	NEK2150GK	115/1/60	7.8	41.5	1	0.4	10.2	15
NCF4220LBAEH*	NEK2150GK-B	230/1/60	4.0	20.0	1	0.2	5.2	15
NCF4287LAAEH*	NEU2168GK	115/1/60	7.5	49.0	1	0.8	10.2	15
NCF4287LBAEH*	NEU2168GK-B	230/1/60	5.8	29.0	1	0.4	7.7	15
NCF4445LAAEH*	NJ2192GK	115/1/60	15.0	98.0	1	2.4	21.2	35
NCF4445LBAEH*	NJ2192GK-B	230/1/60	7.5	44.0	1	1.4	10.8	15
NCF4122LAAEJ*	EM2U3125Z	115/1/60	5.6	30.2	1	0.4	7.4	15
NCF4122LBAEJ*	EM2U3125Z-B	230/1/60	2.8	15.1	1	0.2	3.7	15
NCF4245LAAEJ*	NT2152Z	115/1/60	9.7	70.0	1	0.7	12.8	20
NCF4245LBAEJ*	NT2140Z-B	230/1/60	4.8	24.5	1	0.35	6.4	15
NCF4186MAAEH*	NEK6144GK	115/1/60	4.0	26.0	1	0.8	5.8	15
NCF4186MBAEH*	NEK6144GK-B	230/1/60	2.0	11.6	1	0.4	2.9	15
NCF4367MAAEH*	NEU6212GK	115/1/60	7.2	39.0	1	0.4	9.4	15
NCF4367MBAEH*	NEU6212GK-B	230/1/60	4.0	22.0	1	0.2	5.2	15
NCF4589MAAEH*	NT6220GKV	115/1/60	10.5	54.5	1	0.8	13.9	20
NCF4589MBAEH*	NT6220GKV-B	230/1/60	5.3	26.5	1	0.4	7.0	15
NCF4762MAAEH*	NT6222GKV	115/1/60	15.0	70.0	1	1.7	20.5	35
NCF4762MBAEH*	NT6222GKV-B	230/1/60	6.8	33.7	1	0.8	9.3	15
NCF4890MAAEH*	NT6226GKV	115/1/60	16.2	93.0	1	2.4	22.7	35
NCF4890MBAEH*	NT6226GKV-B	230/1/60	7.7	46.0	1	1.4	11.0	15
NCF4234MAAEJ*	FFI10HBX	115/1/60	4.1	32.5	1	0.8	5.9	15
NCF4315MAAEJ*	FFI12HBX	115/1/60	14.4	49.2	1	0.4	18.4	30
NCF4315MBAEJ*	FFI12HBX-B	230/1/60	7.2	24.6	1	0.2	9.2	15
NCF4456MAAEJ*	NEU6214Z	115/1/60	9.3	50.0	1	0.8	12.4	20
NCF4456MBAEJ*	NEU6214Z-B	230/1/60	4.5	25.0	1	0.4	6.0	15
NCF4523MAAEJ*	NT6220Z	115/1/60	11.0	54.5	1	0.8	14.6	25
NCF4523MBAEJ*	NT6220Z-B	230/1/60	8.5	33.7	1	0.4	11.0	15
NCF4316HAAEJ*	FF85HBK	115/230	5.0	34.5	1	0.4	6.7	15
NCF4316HBAEJ*	FF85HBK-B	230/1/60	2.8	18.5	1	0.2	3.7	15
NCF4684HAAEJ*	NT6217Z	115/230	11.0	50.0	1	0.8	14.6	25
NCF4684HBAEJ*	NT6217Z-B	230/1/60	6.4	31.0	1	0.4	8.4	15

# PHYSICAL SPECIFICATIONS

Model	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)						Dimensions (In.)			Net Wt. (lbs.)
	Liquid	Suction	404A	407C	448A/449A	134a	450	513	Length	Width	Height	
NCF3905LAAEH*	1/4	3/8	0.69	0.68	0.71				15.00	11.4	11.33	36
NCF4130L^AEH*	1/4	3/8	0.69	0.68	0.71				17.40	12.98	11.91	60
NCF4220L^AEH*	1/4	3/8	0.69	0.68	0.71				15.00	11.4	11.33	36
NCF4287L^AEH*	3/8	3/8	0.69	0.68	0.71				17.40	12.98	11.91	80
NCF4445L^AEH*	3/8	1/2	2.55	2.51	2.61				24.00	18.33	16.16	80
NCF4122L^AEJ*	1/4	3/8				0.72	0.70	0.70	15.09	11.57	11.33	36
NCF4245L^AEJ*	3/8	3/8				0.72	0.70	0.70	17.40	14.59	12.39	60
NCF4186M^AEH*	1/4	3/8	0.69	0.68	0.71				17.40	12.98	11.91	60
NCF4367M^AEH*	1/4	3/8	0.69	0.68	0.71				15.09	11.57	11.33	36
NCF4589M^AEH*	3/8	3/8	0.69	0.68	0.71				17.40	12.98	11.91	60
NCF4762M^AEH*	3/8	1/2	1.41	1.38	1.44				24.00	16.39	13.12	60
NCF4890M^AEH*	3/8	1/2	2.55	2.51	2.61				24.00	18.33	16.16	80
NCF4234MAAEJ*	1/4	3/8				0.72	0.70	0.70	15.09	11.57	11.33	36
NCF4315M^AEJ*	1/4	3/8				0.72	0.70	0.70	17.40	12.98	11.91	36
NCF4456M^AEJ*	3/8	3/8				0.72	0.70	0.70	17.40	12.98	11.91	60
NCF4523M^AEJ*	3/8	1/2				1.46	1.42	1.43	24.00	16.39	13.12	80
NCF4316H^AEJ*	1/4	3/8				0.72	0.70	0.70	15.00	11.98	11.33	36
NCF4684H^AEJ*	3/8	1/2				0.72	0.70	0.70	24.00	16.39	13.12	80

# CROSS-REFERENCE

## Low Temp, R-404A, Air Cooled - 90°F Ambient / -10°F SST

Heatcraft		Tecumseh		Copeland	
Model	BTU/h	Model	BTU/h	Model	BTU/h
NCF3905LAAEHA0001	905	AE2410Z*	1,000	M6JL-H023-IAA-177	939
NCF4130L^AEHA0001	1,298	AE2415Z-AA1ASC	1,380	M6ZL-0031-IAA-179	1,270
NCF4220L^AEHA0001	2,201	AJA2423ZAADG	2,254	M6JL-H052-IAA-177	2,240
NCF4287L^AEHA0001	2,867	AKA2430ZAADC	3,003	M6ZL-H078-CFA-177	3,100
NCF4445L^AEHA0002	4,449	AJB2447ZNADG	4,700	M6KP-0102-CFA-072	4,420

## Low Temp, R-134a, Air Cooled - 90°F Ambient / -10°F SST

Heatcraft		Tecumseh		Copeland	
Model	BTU/h	Model	BTU/h	Model	BTU/h
NCF4122L^AEJA0001	1,221	AE2413Y*	1,300	M7JP-H032-IAA-078	1,330
NCF4245L^AEJA0001	2,453	AJ7455Y-AA3ADG	2,539	M7GP-H066-CFA-177	2,650

## Medium Temp, R-404A, Air Cooled - 90°F Ambient / 25°F SST

Heatcraft		Tecumseh		Copeland	
Model	BTU/h	Model	BTU/h	Model	BTU/h
NCF4186M^AEHA0001	1,859	AE4430Z*	1,900	M6ZM-0021-IAA-177	1,950
NCF4367M^AEHA0001	3,670	AE4450Z-AA1ADG	3,300	M6ZM-0038-IAA-177	3,660
NCF4589M^AEHA0001	5,885	AKA9457*	5,700	M6GP-H064-CAA-177	5,490
NCF4762M^AEHA0002	7,621	AJA7480*	7,900	M6GP-H090-CFA-177	7,580
NCF4890M^AEHA0002	8,895	AKA9473ZX*	8,325	M6KP-0102-CFA-177	9,150

## Medium Temp, R-134a, Air Cooled - 90°F Ambient / 25°F SST

Heatcraft		Tecumseh		Copeland	
Model	BTU/h	Model	BTU/h	Model	BTU/h
NCF4234MAAEJA0001	2,335	AE4440Y	2,492	M7JH-H029-IAA-177	2,640
NCF4315M^AEJA0001	3,153	AE4450Y*	3,000	M7JH-H038-IAA-212	3,450
NCF4456M^AEJA0001	4,560	AJA4480YNADG	4,800	M7ZH-H046-IAA-177	4,210
NCF4523M^AEJA0001	5,232	AJA7455YNADG	5,500	M7ZP-H062-CFA-177	5,350

## High Temp, R-134a, Air Cooled - 90°F Ambient / 45°F SST

Heatcraft		Tecumseh		Copeland	
Model	BTU/h	Model	BTU/h	Model	BTU/h
NCF4316H^AEJA0001	3,159	AE4430Y*	3,100	M7JH-H020-IAA-177	2,960
NCF4684H^AEJA0001	6,841	AKA4476YXDX*	7,176	M7ZH-H055-CFA-177	6,930



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## REPLACEMENT PARTS

115v Units										
Model	Start Relay	Overload Protector	Start Capacitor	Run Capacitor	Start Kit	Fan Motor	Fan Blade	Receiver	Rotalock Valve	Relay Cover
NCF3905LAAEHA0001	22624801	22626901	22629001			25323701	22905201	27313501	29354401	35224601
NCF4122LAAEJA0001	22625201	22627301	22630201	22631001		25323701	22905201	27313501	29354401	35224001
NCF4130LAAEHA0001	22624801	22627001	22629101			25323501	22905101	27313501	29354401	35224601
NCF4186MAAEHA0001	22625501	22627601	22629501			25323501	22905101	27313501	29354401	35224601
NCF4220LAAEHA0001	22624901	22627101	22629201			25323701	22905201	27313501	29354401	35224601
NCF4234MAAEJA0001	22626001	22628101	22630001			25323501	22905201	27313501	29354401	35224401
NCF4245LAAEJA0001					22632101	25323901	22904901	27313501	29354301	35224501
NCF4287LAAEHA0001	22625001	22627201	22629301	22630801	22631901	25323501	22905101	27313501	29354301	35224601
NCF4315MAAEJA0001	22626101	22628201	22630101			25323501	22905101	27313501	29354401	35224401
NCF4316HAAEJA0001	22626501	22628701				25323701	22905201	27313501	29354401	35224401
NCF4367MAAEHA0001	22625601		22629601	22631401		25323501	22905101	27313501	29354401	35224601
NCF4445LAAEHA0002	22625601		22629601	22631401		25323301	22905001	27313401		35223901
NCF4456MAAEJA0001	22626401	22628401	22630301	22631501		25323501	22905101	27313501	29354301	35224601
NCF4523MAAEJA0001	22626401	22628601	22630401	22631601		25323901	22905301	27313601		35224201
NCF4589MAAEHA0001	22626401	22627701	22630601	22631601		25323501	22905101	27313501	29354301	35224501
NCF4684HAAEJA0001	22626701		22630601	22631601		25323901	22905301	27313601		35224501
NCF4762MAAEHA0002	22626401		22630601	22631601		25323901	22905301	27313601		35224501
NCF4890MAAEHA0002	22625801		22629801	22631301		25323301	22905001	27313401		35224501

# REPLACEMENT PARTS

230v Units										
Model	Start Relay	Overload Protector	Start Capacitor	Run Capacitor	Start Kit	Fan Motor	Fan Blade	Receiver	Rotalock Valve	Relay Cover
NCF4122LBAEJA0001	22625301	22627401		22631101		25323801	22905201	27313501	29354401	35224001
NCF4130LBAEHA0001					22631701	25323601	22905101	27313501	29354401	35224601
NCF4186MBAEHA0001	22625501	22627601	22629501			25323601	22905101	27313501	29354401	35224601
NCF4220LBAEHA0001					22631801	25323801	22905201	27313501	29354401	35224601
NCF4245LBAEJA0001	22625401	22627501	22629401			25324001	22904901	27313501	29354301	35224601
NCF4287LBAEHA0001					22632001	25323601	22905101	27313501	29354301	
NCF4315MBAEJA0001	22626201	22628301	22630201			25323601	22905101	27313501	29354401	35224401
NCF4316HBAEJA0001	22626601	22628801	22630501			25323801	22905201	27313501	29354401	35224401
NCF4367MBAEHA0001					22632201	25323601	22905101	27313501	29354401	35224601
NCF4445LBAEHA0002	22625101		22629701	22630901		25323401	22905001	27313401		35223901
NCF4456MBAEJA0001	22626301	22628501			22632301	25323601	22905101	27313501	29354301	35224601
NCF4523MBAEJA0001					22632401	25324001	22905301	27313601		35224301
NCF4589MBAEHA0001	22625701	22627801	22629901	22631201		25323601	22905101	27313501	29354301	35224101
NCF4684HBAEJA0001	22626801	22628901	22630701			25324001	22905301	27313601		35224601
NCF4762MBAEHA0002	22625701	22627901	22629701	22631201		25324001	22905301	27313601		35224101
NCF4890MBAEHA0002	22625901	22628001	22629901	22631401		25323401	22905001	27313401		35224501

## NOTES

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*Since product improvement is a continuing effort, we reserve the right to make changes in specifications without notice.*

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