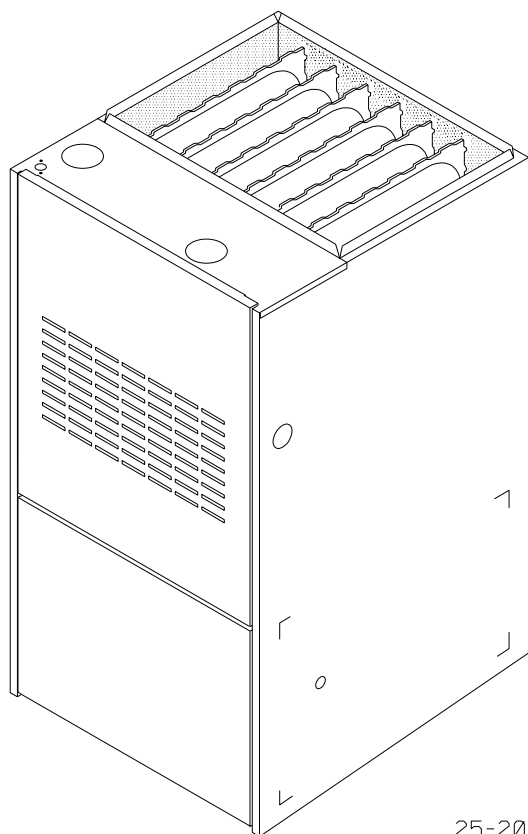


Technical Support Manual



25-20-66

Models

NTPM050FFB1
NTPM075GFB1
NTPM100HJB1
NTPM125KNB1

TNK050F12B1
TNK075F14B1
TNK100J16B1
TNK125N20B1

NCPM050FFB1
NCPM075GFB1
NCPM100HJB1
NCPM125KNB1

TCK050F12B1
TCK075F14B1
TCK100J16B1
TCK125N20B1

Manufactured by:

International Comfort Products Corporation (USA)
Lewisburg, TN USA 37091

Condensing Gas Furnaces



Save This Manual For Future Reference

Manufacturers Number (Mfr No -See Rating Plate)						NTPM050FFB1/TNK050F12B1								
Specifications						Circulation Air Blower Data								
GENERAL	Gas Type	Nat		LP		Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	10-8 4.6/1050 PSC/1/3 5/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable 16x25x1 1.5 3					
	Input (Btuh) Std/Alt.	Hi Fire 50,000	Lo Fire 35,000	Hi Fire 50,000	Lo Fire 35,000									
	Output (Btuh) Std/Alt.	46,000	32,200	46,000	32,200									
	Temp. Rise (°F)	40-70	30-60	40-70	30-60									
	Electrical (Volts/Hz/FLA) Transformer Size (VA) T'stat Heat Anticipator	115/60/5.3 40 .10		115/60/5.3 40 .10										
GAS & IGNITION	Gas Valve Regulation Type Manifold Press. (" WC)	HW SV9540 SNAP 3.5 1.7		HW SV9540 SNAP 10.0 4.9		Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)	External Static Pressure Inches of W.C.							
	Std. Main Orifices (No/Size) Pilot Orifice Size	2/#42 .018		2/#54 .011						TAP	LOW	MED L	MED H	HIGH
	Ignition Type/Series Lock-Out Time	HW HSP ---		HW HSP ---						.10	718	840	1109	1473
										.20	719	838	1094	1431
COMBUSTION	Flue Outlet Size (") Std. Outlet Temp (°F) Comb. Blower (MFD/Volts)	2 <140 4/370		2 <140 4/370										
	Std. Pressures (" of WC) 5' No Elbows 40' +5-90° DWV Elbows	@Blower	@Transition	@Burner Box	Differential	.30	714	837	1086	1396				
		-2.30	-1.56	-.10	-.04	-2.2	-1.52	.40	692	819	1063	1349		
		-2.20	-1.52	-.20	-.14	-2.0	-1.38	.50	660	791	1027	1291		
LIMITS & CONTROLS	Rollout Switch Limit Control Setting (°F) Auxiliary Limit (°F)	300 160 130		300 160 130		Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP)	External Static Pressure Inches of W.C.							
	Fan Control (Type) Fan Control (Timed -Secs) On Off	HW ST9162A 30/60 60,100,140,180		HW ST9162A 30/60 60,100,140,180						TAP	LOW	MED L	MED H	HIGH
	Std. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1010895 1.62 1.38	1011778 1.08 .90	1010895 1.62 1.38	1011778 1.08 .90					.10	339	396	523	695
	High Alt. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1008817 1.40 1.18	1011777 .86 .70	1008817 1.40 1.18	1011777 .86 .70					.20	339	395	516	675

Manufacturers Number (Mfr No -See Rating Plate)						NTPM075GFB1/TNK075F14B1												
Specifications						Circulation Air Blower Data												
GENERAL	Gas Type	Nat		LP		Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	10-8 6.8/1050 PSC ¹ / ₂ 7.5/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable 16x25x1 2 3.5									
	Input (Btuh) Std/Alt.	Hi Fire 75,000	Lo Fire 53,000	Hi Fire 75,000	Lo Fire 53,000													
	Output (Btuh) Std/Alt.	69,000	48,800	69,000	48,800													
	Temp. Rise (°F)	40-70	30-60	40-70	30-60													
	Electrical (Volts/Hz/FLA) Transformer Size (VA) T'stat Heat Anticipator	115/60/7.5 40 .10		115/60/7.5 40 .10														
GAS & IGNITION	Gas Valve Regulation Type Manifold Press. (" WC)	HW SV9540 SNAP 3.5 1.7		HW SV9540 SNAP 10.0 4.9		External Static Pressure Inches of W.C.	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)	TAP	LOW	MED L	MED H	HIGH						
	Std. Main Orifices (No/Size) Pilot Orifice Size	3/#42 .018		3/#54 .011														
	Ignition Type/Series Lock-Out Time	HW HSP ---		HW HSP ---														
COMBUSTION	Flue Outlet Size (") Std. Outlet Temp (°F) Comb. Blower (MFD/Volts)	2,2 ¹ / ₂ ,3 <140 4/370		2,2 ¹ / ₂ ,3 <140 4/370														
	Std. Pressures (" of WC) 5' No Elbows 40' +5-90° DWV Elbows	@Blower	@Transition	@Burner Box	Differential													
		-2.30 -2.05	-.98 -.95	-.10 -.15	-.08 -.15	-2.2 -1.9							-.90 -.80					
LIMITS & CONTROLS	Rollout Switch Limit Control Setting (°F) Auxiliary Limit (°F)	200 190 130		200 190 130														
	Fan Control (Type) Fan Control (Timed -Secs) On Off	HW ST9162A 30/60 60,100,140,180		HW ST9162A 30/60 60,100,140,180														
	Std. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1010895 1.62 1.38	1011776 .65 .50	1010895 1.62 1.38	1011776 .65 .50													
	High Alt. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1008817 1.40 1.18	1010943 .52 .37	1008817 1.40 1.18	1010943 .52 .37													

Manufacturers Number (Mfr No -See Rating Plate)						NTPM100HJB1/TNK100J16B1					
Specifications						Circulation Air Blower Data					
GENERAL	Gas Type	Nat		LP		Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	10-10 8.5/1050 PSC ¹ / ₂ 10/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable 16x25x1 2 4		
	Input (Btuh) Std/Alt.	Hi Fire 100,000	Lo Fire 70,000	Hi Fire 100,000	Lo Fire 70,000						
	Output (Btuh) Std/Alt.	92,000	64,400	92,000	64,400						
	Temp. Rise (°F)	40-70	30-60	40-70	30-60						
	Electrical (Volts/Hz/FLA) Transformer Size (VA) T'stat Heat Anticipator	115/60/9.2 40 .10		115/60/9.2 40 .10							
GAS & IGNITION	Gas Valve Regulation Type Manifold Press. (" WC)	HW SV9540 SNAP 3.5 1.7		HW SV9540 SNAP 10.0 4.9		Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)					
	Std. Main Orifices (No/Size) Pilot Orifice Size	4/#42 .018		4/#54 .011							
	Ignition Type/Series Lock-Out Time	HW HSP ---		HW HSP ---							
COMBUSTION	Flue Outlet Size (") Std. Outlet Temp (°F) Comb. Blower (MFD/Volts)	2,2 ¹ / ₂ ,3 <140 4/370		2,2 ¹ / ₂ ,3 <140 4/370		External Static Pressure Inches of W.C.					
	Std. Pressures (" of WC)	@Blower	@Transition	@Burner Box	Differential						
	5' No Elbows 40' +5-90° DWV Elbows	-2.40 -1.98	-1.36 -1.22	-.10 -.20	-.06 -.18					-2.3 -1.78	-1.30 -1.22
LIMITS & CONTROLS	Rollout Switch Limit Control Setting (°F) Auxiliary Limit (°F)	200 180 130		200 180 130		External Static Pressure Inches of W.C.					
	Fan Control (Type) Fan Control (Timed -Secs)	HW ST9162A 30/60 60,100,140,180		HW ST9162A 30/60 60,100,140,180							
	Std. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1010895 1.62 1.38	1011777 .86 .70	1010895 1.62 1.38	1011777 .86 .70						
	High At. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1008817 1.40 1.18	1011776 .65 .50	1008817 1.40 1.18	1011776 .65 .50						

Manufacturers Number (Mfr No -See Rating Plate)						NTPM125KNB1/TNK125N20B1						
Specifications						Circulation Air Blower Data						
GENERAL	Gas Type	Nat		LP		Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	11.8-10.6 9.8/900 PSC/3/4 10/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable (2)16x25x1 3.5 5			
	Input (Btuh) Std/Alt.	Hi Fire 125,000	Lo Fire 87,500	Hi Fire 125,000	Lo Fire 87,500							
	Output (Btuh) Std/Alt.	119,300	80,500	119,000	80,500							
	Temp. Rise (°F)	45-75	30-60	45-75	30-60							
	Electrical (Volts/Hz/FLA)	115/60/10.5		115/60/10.5								
	Transformer Size (VA)	40		40								
	T'stat Heat Anticipator	.10		.10								
GAS & IGNITION	Gas Valve Regulation Type	HW SV9540 SNAP		HW SV9540 SNAP		Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)	External Static Pressure Inches of W.C.					
	Manifold Press. (" WC)	3.5	1.7	10.0	4.9							
	Std. Main Orifices (No/Size)	5/#42		5/#54								
	Pilot Orifice Size	.018		.011								
	Ignition Type/Series	HW HSP		HW HSP								
	Lock-Out Time	---		---								
COMBUSTION	Flue Outlet Size (")	3		3								
	Std. Outlet Temp (°F)	<140		<140								
	Comb. Blower (MFD/Volts)	4/370		4/370								
	Std. Pressures (" of WC)	@Blower	@Transition	@Burner Box		Differential						
	5' No Elbows	-2.40	-1.76	-.10	-.08	-2.3	-1.68					
	40' +5-90° DWV Elbows	-1.98	-1.64	-.20	-.12	-1.78	-1.52					
LIMITS & CONTROLS	Rollout Switch	200		200		Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP)	External Static Pressure Inches of W.C.					
	Limit Control Setting (°F)	180		180								
	Auxiliary Limit (°F)	130		130								
	Fan Control (Type)	HW ST9162A		HW ST9162A								
	Fan Control	30/60		30/60								
	(Timed -Secs)	60,100,140,180		60,100,140,180								
	Std. Pressure Sw. (Part No)	1010895	1011779	1010895	1011779							
	Press Differential (Close)	1.62	1.40	1.62	1.40							
	Press Differential (Open)	1.38	1.20	1.38	1.20							
	High Alt. Pressure Sw. (Part No)	1008817	1011778	1008817	1011778							
	Press Differential (Close)	1.40	1.08	1.40	1.08							
	Press Differential (Open)	1.18	.90	1.18	.90							

Manufacturers Number (Mfr No -See Rating Plate)						NCPM050FFB1/TCK050F12B1					
Specifications						Circulation Air Blower Data					
GENERAL	Gas Type	Nat		LP		Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	10-8 4.6/1050 PSC/1/3 5/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable 16x18x1(2) 1.5 3		
	Input (Btuh) Std/Alt.	Hi Fire 50,000	Lo Fire 35,000	Hi Fire 50,000	Lo Fire 35,000						
	Output (Btuh) Std/Alt.	46,000	32,200	46,000	32,200						
	Temp. Rise (°F)	40-70	30-60	40-70	30-60						
	Electrical (Volts/Hz/FLA) Transformer Size (VA) T'stat Heat Anticipator	115/60/5.3 40 .10		115/60/5.3 40 .10							
GAS & IGNITION	Gas Valve Regulation Type Manifold Press. (" WC)	HW SV9540 SNAP 3.5 1.7		HW SV9540 SNAP 10.0 4.9		Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)					
	Std. Main Orifices (No/Size) Pilot Orifice Size	2/#42 .018		2/#54 .011							
	Ignition Type/Series Lock-Out Time	HW HSP ---		HW HSP ---							
COMBUSTION	Flue Outlet Size (") Std. Outlet Temp (°F) Comb. Blower (MFD/Volts)	2 <140 4/370		2 <140 4/370		Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP)					
	Std. Pressures (" of WC)	@Blower	@Transition	@Burner Box	Differential						
	5' No Elbows 40' +5-90° DWV Elbows	-2.30 -2.20	-1.56 -1.52	-1.10 -.20	-.04 -.14					-2.2 -2.0	-1.52 -1.38
LIMITS & CONTROLS	Rollout Switch Limit Control Setting (°F) Auxiliary Limit (°F)	300 240 120		300 240 120		External Static Pressure Inches of W.C.					
	Fan Control (Type) Fan Control (Timed -Secs) On Off	HW ST9162A 30/60 60,100,140,180		HW ST9162A 30/60 60,100,140,180							
	Std. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1010895 1.62 1.38	1011778 1.08 .90	1010895 1.62 1.38	1011778 1.08 .90						
	High Alt. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1008817 1.40 1.18	1011777 .86 .70	1008817 1.40 1.18	1011777 .86 .70						

Manufacturers Number (Mfr No -See Rating Plate)						NCPM075GFB1/TCK075F14B1																																												
Specifications						Circulation Air Blower Data																																												
GENERAL	Gas Type	Nat		LP		Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	10-8 6.8/1050 PSC ¹ / ₂ 7.5/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable 16x18x1 (2) 2 3.5																																									
	Input (Btuh) Std/Alt.	Hi Fire 75,000	Lo Fire 53,000	Hi Fire 75,000	Lo Fire 53,000																																													
	Output (Btuh) Std/Alt.	69,000	48,800	69,000	48,800																																													
	Temp. Rise (°F)	40-70	30-60	40-70	30-60																																													
	Electrical (Volts/Hz/FLA)	115/60/7.5		115/60/7.5																																														
	Transformer Size (VA)	40		40																																														
	T'stat Heat Anticipator	.10		.10																																														
GAS & IGNITION	Gas Valve Regulation Type	HW SV9540 SNAP		HW SV9540 SNAP		Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)																																												
	Manifold Press. (" WC)	3.5	1.7	10.0	4.9																																													
	Std. Main Orifices (No/Size)	3/#42		3/#54																																														
	Pilot Orifice Size	.018		.011																																														
	Ignition Type/Series	HW HSP		HW HSP		External Static Pressure Inches of W.C.	<table><tr><th>TAP</th><th>LOW</th><th>MED L</th><th>MED H</th><th>HIGH</th></tr><tr><td>.10</td><td>778</td><td>984</td><td>1263</td><td>1576</td></tr><tr><td>.20</td><td>786</td><td>1003</td><td>1249</td><td>1532</td></tr><tr><td>.30</td><td>790</td><td>1003</td><td>1244</td><td>1489</td></tr><tr><td>.40</td><td>788</td><td>1001</td><td>1215</td><td>1432</td></tr><tr><td>.50</td><td>781</td><td>982</td><td>1186</td><td>1371</td></tr><tr><td>.60</td><td>765</td><td>962</td><td>1146</td><td>1308</td></tr><tr><td>.70</td><td>743</td><td>923</td><td>1094</td><td>1229</td></tr></table>				TAP	LOW	MED L	MED H	HIGH	.10	778	984	1263	1576	.20	786	1003	1249	1532	.30	790	1003	1244	1489	.40	788	1001	1215	1432	.50	781	982	1186	1371	.60	765	962	1146	1308	.70	743	923	1094	1229
TAP	LOW	MED L	MED H	HIGH																																														
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	Lock-Out Time	---		---																																														
COMBUSTION	Flue Outlet Size (")	2,2 ¹ / ₂ ,3		2,2 ¹ / ₂ ,3		External Static Pressure Inches of W.C.	<table><tr><th>TAP</th><th>LOW</th><th>MED L</th><th>MED H</th><th>HIGH</th></tr><tr><td>.10</td><td>367</td><td>464</td><td>596</td><td>744</td></tr><tr><td>.20</td><td>371</td><td>473</td><td>589</td><td>723</td></tr><tr><td>.30</td><td>373</td><td>473</td><td>587</td><td>703</td></tr><tr><td>.40</td><td>372</td><td>472</td><td>573</td><td>676</td></tr><tr><td>.50</td><td>369</td><td>463</td><td>560</td><td>647</td></tr><tr><td>.60</td><td>361</td><td>454</td><td>541</td><td>617</td></tr><tr><td>.70</td><td>351</td><td>436</td><td>516</td><td>580</td></tr></table>				TAP	LOW	MED L	MED H	HIGH	.10	367	464	596	744	.20	371	473	589	723	.30	373	473	587	703	.40	372	472	573	676	.50	369	463	560	647	.60	361	454	541	617	.70	351	436	516	580
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	Std. Outlet Temp (°F)	<140		<140																																														
	Comb. Blower (MFD/Volts)	4/370		4/370																																														
	Std. Pressures (" of WC)	@Blower	@Transition	@Burner Box		Differential																																												
	5' No Elbows	-2.30	-.98	-1.10	-.08	-2.2	-.90																																											
	40' +5-90° DWV Elbows	-2.05	-.95	-1.15	-.15	-1.9	-.80																																											
LIMITS & CONTROLS	Rollout Switch	200		200		External Static Pressure Inches of W.C.	<table><tr><th>TAP</th><th>LOW</th><th>MED L</th><th>MED H</th><th>HIGH</th></tr><tr><td>.10</td><td>367</td><td>464</td><td>596</td><td>744</td></tr><tr><td>.20</td><td>371</td><td>473</td><td>589</td><td>723</td></tr><tr><td>.30</td><td>373</td><td>473</td><td>587</td><td>703</td></tr><tr><td>.40</td><td>372</td><td>472</td><td>573</td><td>676</td></tr><tr><td>.50</td><td>369</td><td>463</td><td>560</td><td>647</td></tr><tr><td>.60</td><td>361</td><td>454</td><td>541</td><td>617</td></tr><tr><td>.70</td><td>351</td><td>436</td><td>516</td><td>580</td></tr></table>				TAP	LOW	MED L	MED H	HIGH	.10	367	464	596	744	.20	371	473	589	723	.30	373	473	587	703	.40	372	472	573	676	.50	369	463	560	647	.60	361	454	541	617	.70	351	436	516	580
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	.70	351	436	516	580																																													
	Limit Control Setting (°F)	180		180																																														
Auxiliary Limit (°F)	130		130																																															
Fan Control (Type)	HW ST9162A		HW ST9162A																																															
Fan Control	30/60		30/60																																															
(Timed -Secs)	60,100,140,180		60,100,140,180																																															
Std. Pressure Sw. (Part No)	1010895	1011776	1010895	1011776																																														
Press Differential (Close)	1.62	.65	1.62	.65																																														
Press Differential (Open)	1.38	.50	1.38	.50																																														
High Alt. Pressure Sw. (Part No)	1008817	1010943	1008817	1010943																																														
Press Differential (Close)	1.40	.52	1.40	.52																																														
Press Differential (Open)	1.18	.37	1.18	.37																																														

Manufacturers Number (Mfr No -See Rating Plate)						NCPM100HJB1/TCK100J16B1							
Specifications						Circulation Air Blower Data							
GENERAL	Gas Type	Nat		LP		Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	10-10 8.5/1050 PSC/1/2 10/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable 16x18x1(2) 2 4				
	Input (Btuh) Std/Alt.	Hi Fire 100,000	Lo Fire 70,000	Hi Fire 100,000	Lo Fire 70,000								
	Output (Btuh) Std/Alt.	92,000	64,400	92,000	64,400								
	Temp. Rise (°F)	40-70	30-60	40-70	30-60								
	Electrical (Volts/Hz/FLA) Transformer Size (VA) T'stat Heat Anticipator	115/60/9.2 40 .10		115/60/9.2 40 .10									
GAS & IGNITION	Gas Valve Regulation Type Manifold Press. (" WC)	HW SV9540 SNAP 3.5 1.7		HW SV9540 SNAP 10.0 4.9		Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)							
	Std. Main Orifices (No/Size) Pilot Orifice Size	4/#42 .018		4/#54 .011									
	Ignition Type/Series Lock-Out Time	HW HSP ---		HW HSP ---									
	Flue Outlet Size (") Std. Outlet Temp (°F) Comb. Blower (MFD/Volts)	2,2 1/2, 3 <140 4/370		2,2 1/2, 3 <140 4/370									
COMBUSTION	Std. Pressures (" of WC) 5' No Elbows 40' +5-90° DWV Elbows	@Blower	@Transition	@Burner Box	Differential	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH		
		-2.40	-1.36	-.10	-.06							-2.3	-1.30
		-1.98	-1.22	-.20	-.18							-1.78	-1.04
LIMITS & CONTROLS	Rollout Switch Limit Control Setting (°F) Auxiliary Limit (°F)	200 240 130		200 240 130		External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH		
	Fan Control (Type) Fan Control (Timed -Secs)	HW ST9162A 30/60 60,100,140,180		HW ST9162A 30/60 60,100,140,180									
	Std. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1010895 1.62 1.38	1011777 .86 .70	1010895 1.62 1.38	1011777 .86 .70								
	High At. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1008817 1.40 1.18	1011776 .65 .50	1008817 1.40 1.18	1011776 .65 .50								

Manufacturers Number (Mfr No -See Rating Plate)						NCPM125KNB1/TCK125N20B1						
Specifications						Circulation Air Blower Data						
GENERAL	Gas Type	Nat		LP		Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	11.8-10.6 9.8/900 PSC/3/4 10/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable 16x18x1(2) 3.5 5			
	Input (Btuh) Std/Alt.	Hi Fire 125,000	Lo Fire 87,500	Hi Fire 125,000	Lo Fire 87,500							
	Output (Btuh) Std/Alt.	119,300	80,500	119,000	80,500							
	Temp. Rise (°F)	45-75	30-60	45-75	30-60							
	Electrical (Volts/Hz/FLA)	115/60/10.5		115/60/10.5								
Transformer Size (VA)	40		40									
T'stat Heat Anticipator	.10		.10									
GAS & IGNITION	Gas Valve Regulation Type	HW SV9540 SNAP		HW SV9540 SNAP		Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)	External Static Pressure Inches of W.C.					
	Manifold Press. (" WC)	3.5	1.7	10.0	4.9							
	Std. Main Orifices (No/Size)	5/#42		5/#54								
	Pilot Orifice Size	.018		.011								
	Ignition Type/Series	HW HSP		HW HSP								
Lock-Out Time	---		---									
COMBUSTION	Flue Outlet Size (")	3		3		Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP)				External Static Pressure Inches of W.C.		
	Std. Outlet Temp (°F)	<140		<140								
	Comb. Blower (MFD/Volts)	4/370		4/370								
	Std. Pressures (" of WC)	@Blower	@Transition	@Burner Box	Differential							
	5' No Elbows	-2.40	-1.76	-.10	-.08		-2.3	-1.68				
40' +5-90° DWV Elbows	-1.98	-1.64	-.20	-.12	-1.78	-1.52						
LIMITS & CONTROLS	Rollout Switch	200		200								
	Limit Control Setting (°F)	180		180								
	Auxiliary Limit (°F)	130		130								
	Fan Control (Type)	HW ST9162A		HW ST9162A								
	Fan Control (Timed -Secs)	30/60		30/60								
	On	60,100,140,180		60,100,140,180								
	Off											
	Std. Pressure Sw. (Part No)	1010895	1011779	1010895	1011779							
	Press Differential (Close)	1.62	1.40	1.62	1.40							
	Press Differential (Open)	1.38	1.20	1.38	1.20							
High Alt. Pressure Sw. (Part No)	1008817	1011778	1008817	1011778								
Press Differential (Close)	1.40	1.08	1.40	1.08								
Press Differential (Open)	1.18	.90	1.18	.90								

Exploded view diagram of a refrigerator, showing various components labeled with letters and numbers. The diagram includes the main body, doors, internal components, and various panels and doors. A circular inset shows a detailed view of the door hinge assembly.

Key components labeled include:

- 1**: Main body/frame
- 2**: Condenser coils
- 3**: Evaporator
- 4**: Compressor
- 5**: Compressor wiring
- 6**: Compressor mounting bracket
- 7**: Compressor mounting bracket
- 8**: Compressor mounting bracket
- 9**: Compressor mounting bracket
- 10**: Compressor mounting bracket
- 11**: Compressor mounting bracket
- 12**: Compressor mounting bracket
- 13**: Compressor mounting bracket
- 14**: Compressor mounting bracket
- 15**: Compressor mounting bracket
- 16**: Compressor mounting bracket
- 17**: Compressor mounting bracket
- 18**: Compressor mounting bracket
- 19**: Compressor mounting bracket
- 20**: Compressor mounting bracket
- 21**: Compressor mounting bracket
- 22**: Compressor mounting bracket
- 23**: Compressor mounting bracket
- 24**: Compressor mounting bracket
- 25**: Compressor mounting bracket
- 26**: Compressor mounting bracket
- 27**: Compressor mounting bracket
- 28**: Compressor mounting bracket
- 29**: Compressor mounting bracket
- 30**: Compressor mounting bracket
- 31**: Compressor mounting bracket
- 32**: Compressor mounting bracket

Key components labeled with letters include:

- A**: Top panel
- B**: Door panel
- C**: Door panel
- D**: Door panel
- E**: Door panel
- F**: Door panel
- G**: Door panel
- H**: Door panel
- I**: Door panel
- J**: Door panel
- K**: Door panel
- L**: Door panel
- M**: Door panel
- N**: Door panel
- O**: Door panel
- P**: Door panel
- Q**: Door panel
- R**: Door panel
- S**: Door panel
- T**: Door panel
- U**: Door panel
- V**: Door panel
- W**: Door panel
- X**: Door panel
- Y**: Door panel
- Z**: Door panel
- AA**: Door panel
- BB**: Door panel
- CC**: Door panel
- DD**: Door panel
- EE**: Door panel
- FF**: Door panel
- GG**: Door panel
- HH**: Door panel
- II**: Door panel
- JJ**: Door panel
- KK**: Door panel
- LL**: Door panel
- MM**: Door panel
- NN**: Door panel
- OO**: Door panel
- PP**: Door panel
- QQ**: Door panel
- RR**: Door panel
- SS**: Door panel
- TT**: Door panel
- UU**: Door panel
- VV**: Door panel
- WW**: Door panel
- XX**: Door panel
- YY**: Door panel
- ZZ**: Door panel

25-20-94n

Replacement Parts - NTPM/TNK

Models – NTPM050FFB1, NTPM075GFB1, NTPM100HJB1, NTPM125KNB1 (Natural Gas)
TNK050F12B1, TNK075F14B1, TNK100J16B1, TNK125N20B1 (Natural Gas)

Replacement part supplied will be current active part. For parts not listed, consult place of purchase.

Key No.	Description Functional	Part Number	050	075	100	125	Key No.	Description Non- Functional	Part Number	050	075	100	125
1	Heat Exchanger	1008876	1	-	-	-	A	Panel Top	1010607	1	1	-	-
		1008877	-	1	-	-			1010608	-	-	1	-
		1008878	-	-	1	-			1010609	-	-	-	1
		1008879	-	-	-	1	B	Box Field Connect	1011941	1	1	1	1
2	Coil Condenser	1010495	1	1	-	-	C	Cover Field Connect	1010360	1	1	1	1
		1010496	-	-	1	-	D	Casing	1011649	1	1	-	-
		1010497	-	-	-	1			1011650	-	-	1	-
3	Wheel Blower	600587	1	1	-	-			1011651	-	-	-	1
		601210	-	-	1	-	E	Baffle Circ Air	707010031	2	2	2	2
		1011420	-	-	-	1	F	Bracket Coil	1008743	1	1	-	-
4	Motor Blower 115V 1/3HP	1009054	1	-	-	-			1008745	-	-	1	-
	115V 1/2HP	1009053	-	1	-	-			1008747	-	-	-	1
	115V 1/2HP	1009052	-	-	1	-	G	Bracket Mount Coil(RH)	1011446	1	1	1	1
	115V 3/4HP	1011404	-	-	-	1	H	Bracket Mount Coil(LH)	1011445	1	1	1	1
5	Mount Motor Kit	609227	1	1	1	-	J	Rail Blower Slide	57059	2	2	2	2
		522020024	-	-	-	1	K	Casing Base	1010113	1	1	-	-
6	Capacitor 5/370V	1094954	1	-	-	-			1010114	-	-	1	-
	10/370V	1094956	-	-	1	1			1010115	-	-	-	1
	7.5/370V	1094239	-	1	-	-	L	Blower Partition	1010815	1	1	-	-
7	Control, Fan Timer	1012084	1	1	1	1			1010816	-	-	1	-
8	Transformer	1011626	1	1	1	1			1010817	-	-	-	1
9	Switch Door Interlock	1010886	1	1	1	1	M	Panel Cutoff Blwr	721020013	1	1	-	-
10	Switch Pressure High Fire (Right)	1010895	1	1	1	1			721020008	-	-	1	1
	High Alt	1008817	1	1	1	1	N	Housing Blower	1011680	1	1	-	-
11	Blower Exhaust	1011631	1	1	-	-			1011681	-	-	1	-
		1012088	-	-	1	1			1010481	-	-	-	1
12	Restrictor Exh Blwr	1008696	1	1	-	-	O	Bracket Ctrl Board	1012183	1	1	1	1
		1009386	-	-	1	-	Q	Hanger Blower	1010690	2	2	2	2
13	O Ring (Exh Blwr)	1009035	1	1	1	1	R	Partition Frt Bot	1011060	1	-	-	-
14	Washer Exh Blwr	1009037	2	2	2	2			1011061	-	1	-	-
15	Transition Asy	1011850	1	1	1	1			1011062	-	-	1	-
16	O Ring (Header Box)	1009036	1	1	1	1			1011063	-	-	-	1
17	Pressure Tap	1005606	1	1	1	1	S	Partition Frt Top	1011595	1	-	-	-
18	Switch Limit Rollout	1005549	1	-	-	-			1011596	-	1	-	-
		1010575	-	1	1	1			1011597	-	-	1	-
19	Valve Gas Nat & LP	1012187	1	1	1	1			1011598	-	-	-	1
20	Manifold Gas	1011645	1	-	-	-	T	Gasket Collector Box	1008676	1	1	-	-
		1011646	-	1	-	-			1008677	-	-	1	-
		1011647	-	-	1	-			1008678	-	-	-	1
		1011648	-	-	-	1	U	Collector Box	1008670	1	1	-	-
21	Tube Pilot	64930	1	1	1	1			1008671	-	-	1	-
									1008672	-	-	-	1
22	Orifice Burner Nat #42	1011351	2	3	4	5	V	Board Insul Coll Box	1008682	1	1	-	-
	LP #54	*1011376	2	3	4	5			1008683	-	-	1	-
	High Altitude Orifice Nat #45	1011353	2	3	4	5			1008684	-	-	-	1
	LP #55	*1011354	2	3	4	5	W	Cover Diaphragm	1068036	1	1	1	1
	LP #56	*1011355	2	3	4	5	X	Diaphragm Silicone	1008763	1	1	1	1
23	Igniter/Sensor with Clip	1009524	1	1	1	1	Y	Bracket Pilot	1010901	1	1	1	1
24	Pilot Burner Assembly Nat & LP	1008731	1	1	1	1	Z	Gasket Limit Switch	1008778	1	1	1	1
25	Orifice Pilot Nat .018	503211	1	1	1	1	AA	Door Louvered	1010184	1	1	-	-
	LP .011	1009136	-	-	-	-			1010185	-	-	1	-
26	Burner Asy	1008723	1	-	-	-			1010186	-	-	-	1
		1008724	-	1	-	-	BB	Door Blower	1010190	1	1	-	-
		1008725	-	-	1	-			1010192	-	-	1	-
		1008726	-	-	-	1			1011848	-	-	-	1
27	Switch Limit (Main)	1010647	1	-	-	-	CC	Viewport Cover Lexan	2480678	1	1	1	1
		34332903	-	1	-	-	DD	Gasket Viewport	1093666	1	1	1	1
		1320547	-	-	1	1							

* Only used when furnace has been converted to LP Gas

Replacement Parts - NTPM/TNK

Models - NTPM050FFB1, NTPM075GFB1, NTPM100HJB1, NTPM125KNB1 (Natural Gas)
TNK050F12B1, TNK075F14B1, TNK100J16B1, TNK125N20B1 (Natural Gas)

Replacement part supplied will be current active part. For parts not listed, consult place of purchase.

Key No.	Description Functional	Part Number	050	075	100	125	Key No.	Description Non-Functional	Part Number	050	075	100	125
28	Tube Sensor	1006298	1	1	1	1	EE	Cover Burner Box	1008748	1	1	-	-
29	Switch, Limit (Aux.)	1000735	1	1	1	1			1008749	-	-	1	-
30	Filter 16" x 25" x 1"	1010365	1	1	1	2			1008750	-	-	-	1
31	Switch Pressure Low Fire Left	1011778	1	-	-	-	FF	Bracket Burner Box	1008722	2	2	2	2
		1011776	-	1	-	-	GG	Baffle Burner Box	1008709	1	1	-	-
		1011777	-	-	1	-			1008710	-	-	1	-
		1011779	-	-	-	1			1008711	-	-	-	1
	Switch Pressure High Altitude	1011777	1	-	-	-	HH	Burner Box Asy	1010381	1	1	-	-
		1010943	-	1	-	-			1010382	-	-	1	-
		1011776	-	-	1	-			1010383	-	-	-	1
		1011778	-	-	-	1	JJ	Gasket Air Intake	1008746	1	1	1	1
32	Pressure Tap Tee	1006230	1	1	1	1	KK	Coupling Air Intake	1008744	1	1	1	1
)	PART NOT ILLUSTRATED						LL	Gasket Burner Box	1008759	1	1	-	-
)	Wire Harness	1011859	1	1	1	1			1008760	-	-	1	-
)	Pin Plastic Clip	2344276	3	3	3	3			1008761	-	-	-	1
)	Flexible Neoprene Coupling	1002522	1	1	1	1	MM	Door Handle	1010073	1	1	1	1
)	Clamp Hose	1002793	2	2	2	2	NN	Gasket, Heat Exchanger	2480904	2	-	-	-
)	Screen 2"	1007339	2	2	2	2			2480905	-	2	-	-
)	Screen 3"	1007340	2	2	2	2			2480906	-	-	2	-
)	Elbow Union	1012099	1	1	1	1			2480907	-	-	-	2
)	Manual Tech	440 03 2003 00	1	1	1	1	OO	Seal, Burner Box Sides	1008755	2	2	2	2
)	Manual Install	440 01 2003 00	1	1	1	1	PP	Seal, Burner Box	1008762	2	2	-	-
)	Manual Homeowners	441 02 1001 04	1	1	1	1			1009243	-	-	2	-
)	Grommet, Vinyl	1009535	1	1	1	1			1009244	-	-	-	2
)	Fuse (5-Amp.)	1083348	1	1	1	1	QQ	Gasket, Header Box	1010510	1	1	1	1
							RR	Support, Heat Exchanger	1010092	1	-	-	-
									1010093	-	1	-	-
									1010098	-	-	1	-
									1010099	-	-	-	1
							SS	Clamp, Capacitor	1095020	1	1	1	1
							TT	Wrapper Filter Rack	741010039	1	1	1	2
							UU	Front Filter Rack	741020001	1	1	1	2
							VV	Cover Filter Plastic	2791043	1	1	1	2
							WW	Clip Filter	1008482	3	3	3	3
							)	Bushing, Strn Rlf	1945287	1	1	1	1
							)	Trap, Drain	1011434	1	1	1	1

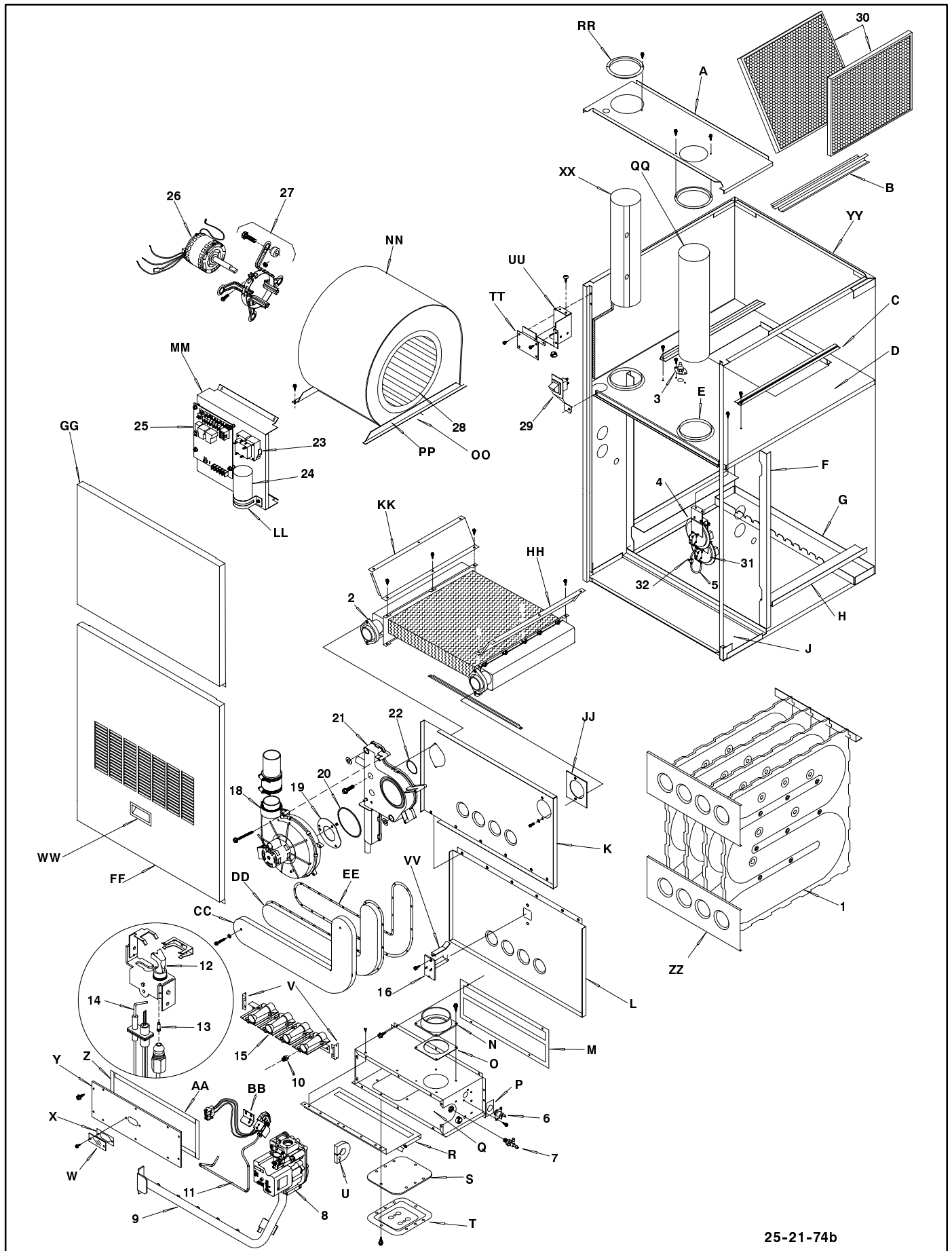
Gas Conversion Kits - All models

Nat to LP *1011789

LP to Nat *1011787

*Must be ordered from Service Parts

3. (NCPM/TCK)



25-21-74b

Replacement Parts - NCPM/TCK

Models – NCPM050FFB1, NCPM075GFB1, NCPM100HJB1, NCPM125KNB1 (Natural Gas)

TCK050F12B1, TCK075F14B1, TCK100J16B1, TCK125N20B1 (Natural Gas)

Replacement part supplied will be current active part. For parts not listed, consult place of purchase.

Key No.	Description Functional	Part Number	050	075	100	125	Key No.	Description Non-Functional	Part Number	050	075	100	125
1	Heat Exchanger Assy	1008876	1	-	-	-	A	Panel Top	1010564	1	1	-	-
		1008877	-	1	-	-			1010565	-	-	1	-
		1008878	-	-	1	-			1010566	-	-	-	1
		1008879	-	-	-	1	B	Filter Holder	33411100	1	1	1	1
2	Heat Exchanger, Sec.	1010495	1	1	-	-	C	Rail Blower Slide	33406100	2	2	2	2
		1010496	-	-	1	-	D	Blower Partition	1011989	1	1	-	-
		1010497	-	-	-	1			1011990	-	-	1	-
3	Limit Switch, Auxillary	613839	-	1	1	-			1011991	-	-	-	1
		1065702	-	-	-	1	E	Plate, Fill-in	1011072	1	1	-	-
		1056172	1	-	-	-			1011073	-	-	1	-
4	Switch, Press Hi Fire (upper)	1010895	1	1	1	1			1011074	-	-	-	1
	Switch, Press. (Hi Alt)	1008817	1	1	1	1	F	Angle, Vertical	1008807	2	2	2	2
5	Tube, Sensor (36" Length)	1006298	1	1	1	1	G	Base, Rear	1010234	1	-	-	-
6	Limit Switch, Rollout	1005549	1	-	-	-			1010235	-	1	-	-
		1010575	-	1	1	1			1010348	-	-	1	-
7	Tap, Pressure	1005606	1	1	1	1			1010350	-	-	-	1
8	Valve Gas Nat HW & LP	1012187	1	1	1	1	H	Baffle Air	1009880	2	-	-	-
9	Manifold Gas	1011730	1	-	-	-			707010031	-	2	2	2
		1011731	-	1	-	-	J	Base, Front	1010090	1	1	-	-
		1011732	-	-	1	-			1010236	-	-	1	-
		1011733	-	-	-	1			1010237	-	-	-	1
10	Orifice Burner Nat #42 Brass	1011351	2	3	4	5	K	Partition Top Front	1009493	1	-	-	-
	LP #54 Silver	*1011376	*2	*3	*4	*5			1009494	-	1	-	-
	Hi Alt Orifice Nat #44 Brass	1011352	2	3	4	5			1009495	-	-	1	-
	Nat #45 Brass	1011353	2	3	4	5			1009496	-	-	-	1
	LP #55 Silver	*1011354	*2	*3	*4	*5	L	Partition Bot Front	1009497	1	-	-	-
	LP #56 Silver	*1011355	*2	*3	*4	*5			1009498	-	1	-	-
11	Pilot Tubing, Aluminum	64930	1	1	1	1			1009499	-	-	1	-
12	Pilot Assembly Nat & LP	1008731	1	1	1	1			1009500	-	-	-	1
13	Orifice, Pilot .020 Nat	1160403	1	1	1	1	M	Gasket, Bunner Box	1008759	1	1	-	-
	Orifice, Pilot .011 LP	*1009136	*1	*1	*1	*1			1008760	-	-	1	-
14	Igniter/Sensor with Clip	1009524	1	1	1	1			1008761	-	-	-	1
15	Burner, Assy	1008723	1	-	-	-	N	Coupling, Air Intake	1008744	1	1	1	1
		1008724	-	1	-	-	O	Gasket, Air Intake	1008746	1	1	1	1
		1008725	-	-	1	-	P	Gasket, Rollout	1008778	1	1	1	1
		1008726	-	-	-	1	Q	Burner Box Assy	1010381	1	1	-	-
16	Limit Control	1320547	-	1	-	-			1010382	-	-	1	-
		1320549	1	-	1	-			1010383	-	-	-	1
		1009774	-	-	-	1	R	Baffle Burner Box	1008709	1	1	-	-
18	Blower Exhaust	1011631	1	1	-	-			1008710	-	-	1	-
		1012088	-	-	1	1			1008711	-	-	-	1
19	Restrictor Exh Blwr	1008696	1	1	-	-	S	Diaphragm, Silicone Rubber	1008763	1	1	1	1
		1009386	-	-	1	-	T	Cover Diaphragm	1068036	1	1	1	1
20	O Ring, Exhaust Blower	1009035	1	1	1	1	U	Grommet, Manifold	1008741	1	1	1	1
21	Drain Trap/Transition	1011850	1	1	1	1	V	Bracket, Burner Box	1008722	2	2	2	2
22	O Ring, Header Box	1009036	1	1	1	1	W	Viewport Cover Lexan	2480678	1	1	1	1
23	Transformer, 40VA	1011626	1	1	1	1	X	Gasket, Sight Glass	1093666	1	1	1	1
24	Capacitor, 10/370	1094956	-	-	1	1	Y	Cover Burner Box	1008748	1	1	-	-
	5/370	1094954	1	-	-	-			1008749	-	-	1	-
	7.5/370	1094239	-	1	-	-			1008750	-	-	-	1
25	Control Module/Fan Timer	1012084	1	1	1	1	Z	Seal, Cover Sides	1008755	2	2	2	2
26	Motor, 4 Speed 115V 1/3HP	1009054	1	-	-	-	AA	Strip, Seal Burner Box	1008762	2	2	-	-
	115V 1/2HP	1009053	-	1	-	-			1009243	-	-	2	-
	115V 3/4HP	1009052	-	-	1	-			1009244	-	-	-	2
	115V 3/4HP	1011404	-	-	-	1	BB	Bracket Pilot	1010901	1	1	1	1
27	Kit, Motor Mount	609227	1	1	1	-	CC	Board, Insulating	1009552	1	1	-	-
		522020024	-	-	-	1			1009553	-	-	1	-
28	Wheel, Blower	600587	1	1	-	-			1009554	-	-	-	1
		601210	-	-	1	-	DD	Box, Collector	1008673	1	1	-	-
		1011420	-	-	-	1			1008674	-	-	1	-
29	Switch-Interlock	1010886	1	1	1	1			1008675	-	-	-	1
30	Filter W/Frame 16"x 18"x 1"	1009750	2	2	2	2							

* Only used when furnace has been converted to LPgas

Replacement Parts - NCPM/TCK

Models - NCPM050FFB1, NCPM075GFB1, NCPM100HJB1, NCPM125KNB1 (Natural Gas)
TCK050F12B1, TCK075F14B1, TCK100J16B1, TCK125N20B1 (Natural Gas)

Replacement part supplied will be current active part. For parts not listed, consult place of purchase.

Key No.	Description Functional	Part Number	050	075	100	125
31	Switch Pressure Low Fire Lower	1011778 1011776 1011777 1011779	1 - - -	- 1 - -	- - 1 -	- - - 1
	Switch Pressure High Altitude	1011777 1010943 1011776 1011778	1 - - -	- 1 - -	- - 1 -	- - - 1
32	Pressure Tap Tee	1006230	1	1	1	1
	)(PART NOT ILLUSTRATED					
)(	Wire Harness	1011992	1	1	1	1
)(	Clamp Hose	1002793	2	2	2	2
)(	Reducer, 3" to 2"	1005779	1	1	1	1
)(	Elbow Union	1012099	1	1	1	1
)(	Manual Install	440 01 2003 00	1	1	1	1
)(	Manual Tech	440 03 2003 00	1	1	1	1
)(	Manual Homeowners	441 02 2001 04	1	1	1	1
)(	Screen 3"	1007340	1	1	1	1
)(	Screen 2"	1007339	1	1	1	1
)(	Washer Exhaust Blower	1009037	2	2	2	2
)(	Clip, Plastic Pin	2344276	3	3	3	-
)(	Trap, Drain	1011434	1	1	1	1
)(	Fuse (5-Amp.)	1083348	1	1	1	1

Key No.	Description Non-Functional	Part Number	050	075	100	125
EE	Gasket, Collector Box	1009536 1009537 1009538	1 - -	1 - -	- 1 -	- - 1
FF	Door Louvered	1010187 1010188 1010189	1 - -	1 - -	- 1 -	- - 1
GG	Door, Fan	1010196 1010197 1010198	1 - -	1 - -	- 1 -	- - 1
HH	Bracket, Mount LH	1008693	1	1	1	1
JJ	Gasket, Header Box	1010510	1	1	1	1
KK	Bracket, Mount RH	1008694	1	1	1	1
LL	Clamp, Capacitor	1095020	1	1	1	1
MM	Bracket, Control Board	1011178	1	1	1	1
NN	Blower Housing	1007787 1007753 1010481	1 - -	1 - -	- 1 -	- - 1
OO	Blower Cutoff	721020013 721020008	1 -	1 -	- 1	- 1
PP	Hanger, Blower	33403100	2	2	2	2
QQ	Shield, Vent Pipe	2311159	1	1	1	1
RR	Endplate, Vent Pipe	57083	4	4	4	4
TT	Cover, Field Connect	1010360	1	1	1	1
UU	Box, Field Connect	1011941	1	1	1	1
VV	Shield, Limit	1008797	-	-	1	-
WW	Door Handle	1010073	1	1	1	1
XX	Vent, Chase	1010540	1	1	1	1
YY	Casing	1010570 1010571 1010572	1 - -	1 - -	- 1 -	- - 1

Horizontal Condensate Switch Kit All Models

NAHL001HK

Gas Conversion Kits All Models

Nat to LP NAHF002LP *1011789

LP to Nat NAHF002NG *1011787

*Order from Service Parts