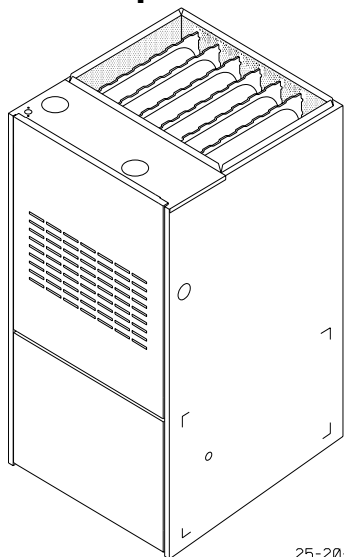
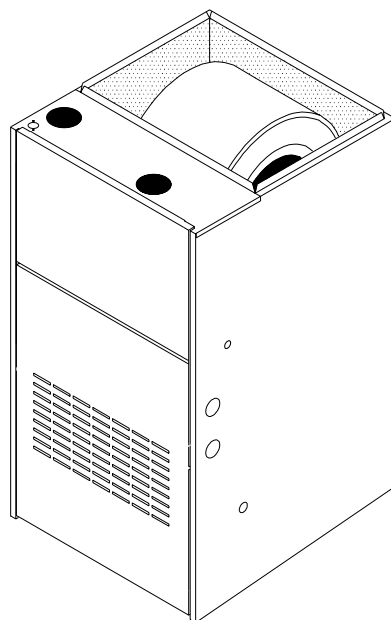


Technical Support Manual

Upflow



Downflow



Models

HDUH050N3A1
HDUH075N3A1
HDUH100N4A1
HDUH125N5A1

and

HDDH050N3A1
HDDH075N3A1
HDDH100N4A1
HDDH125N5A1

Condensing Gas Furnace



Manufactured by:
Multi-Ind., Inc.
Lewisburg, TN USA 37091



Save This Manual For Future Reference

Manufacturers Number (Mfr No -See Rating Plate)				HDUH050N3A					
Specifications				Circulation Air Blower Data					
GENERAL	Gas Type	Nat	LP	Type & Size	10-8	Filt Type	Washable		
	Input (Btuh) Std/Alt.	50,000	50,000						
	Output (Btuh) Std/Alt.	45,500	45,500						
	Temp. Rise (°F)	40-70	40-70						
GAS & IGNITION	Electrical (Volts/Hz/FLA)	115/60/5.3	115/60/5.3	Motor Amps/RPM	4.6/1050	Filt Size (")	16x25x1		
	Transformer Size (VA)	40	40						
	T'stat Heat Anticipator	.30	.30						
	Gas Valve	HW SV9500	HW SV9500						
COMBUSTION	Regulation Type	SNAP	SNAP	Motor Type/ H.P.	PSC/1/3	Min. Cool	1.5		
	Manifold Press. (Inch's WC)	3.5	10.0						
	Std. Main Orifices (No/Size)	2/#42	2/#54						
	Pilot Orifice Size	.018	.011						
LIMITS & CONTROLS	Ignition Type/Series	HW HSP	HW HSP	Cap. MFD/Volts	5/370	Cap. (Tons)	3		
	Lock-Out Time	---	---						
	Flue Outlet Size (Inches)	2	2						
	Std. Outlet Temp (°F)	<140	<140						
LIMITS & CONTROLS	Comb. Blower (MFD/Volts)	4/250	4/250	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)					
	Std. Pressures (Inch's of WC)	@Blower	@Burner Box					Differential	
	5' No Elbows	-2.30	-.10					-2.4	
	40' +5-90° DWV Elbows	-2.20	-.20					-2.0	
LIMITS & CONTROLS	Rollout Switch	250	250	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH
	Limit Control Setting (°F)	160	160						
	Auxiliary Limit (°F)	130	130						
	Fan Control (Type)	HW ST9120	HW ST9120						
LIMITS & CONTROLS	Fan Control On	60	60	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH
	(Timed-Secs) Off	60,90,120,150	60,90,120,150						
	Std. Pressure Sw. (Part No)	1010895	1010895						
	Press Differential (Close)	1.62	1.62						
LIMITS & CONTROLS	Press Differential (Open)	1.38	1.38	Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP)	TAP	LOW	MED L	MED H	HIGH
	High Alt. Press. Sw (Part No)	1008817	1008817						
	Press Differential (Close)	1.40	1.40						
	Press Differential (Open)	1.18	1.18						

Manufacturers Number (Mfr No -See Rating Plate)				HDUH075N3A						
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.	75,000	75,000							
	Output (Btuh) Std/Alt.	67,500	67,500							
	Temp. Rise (°F)	40-70	40-70							
	Electrical (Volts/Hz/FLA)	115/60/7.5	115/60/7.5							
	Transformer Size (VA)	40	40							
	T'stat Heat Anticipator	.30	.30							
GAS & IGNITION	Gas Valve	HW SV9500	HW SV9500	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)						
	Regulation Type	SNAP	SNAP							
	Manifold Press. (Inch's WC)	3.5	10.0							
	Std. Main Orifices (No/Size)	3/#42	3/#54							
	Pilot Orifice Size	.018	.011	External Static Pressure Inches of W.C.						
	Ignition Type/Series	HW HSP	HW HSP							
	Lock-Out Time	---	---							
	Flue Outlet Size (Inches)	2,2 ¹ / ₂ , 3	2,2 ¹ / ₂ , 3							
COMBUSTION	Std. Outlet Temp (°F)	<140	<140	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH	
	Comb. Blower (MFD/Volts)	4/250	4/250							
	Std. Pressures (Inch's of WC)	@Blower	@Burner Box							Differential
	5' No Elbows	-2.30	-.10							-2.2
	40' +5-90° DWV Elbows	-2.05	-.15	-1.9	Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP)					
LIMITS & CONTROLS	Rollout Switch	200	200							
	Limit Control Setting (°F)	190	190							
	Auxiliary Limit (°F)	130	130							
	Fan Control (Type)	HW ST9120	HW ST9120							
	Fan Control On	60	60	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH	
	(Timed-Secs) Off	60,90,120,150	60,90,120,150							
	Std. Pressure Sw. (Part No)	1010895	1010895							
	Press Differential (Close)	1.62	1.62							
	Press Differential (Open)	1.38	1.38	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)	TAP	LOW	MED L	MED H	HIGH	
	High Alt. Press. Sw (Part No)	1008817	1008817							
	Press Differential (Close)	1.40	1.40							
	Press Differential (Open)	1.18	1.18							

Manufacturers Number (Mfr No -See Rating Plate)				H DUH100N4A												
Specifications				Circulation Air Blower Data												
GENERAL	Gas Type	Nat	LP	Type & Size	10-10	Filt Type	Washable									
	Input (Btuh) Std/Alt.	100,000	100,000					Motor Amps/RPM	8.5/1050	Filt Size (")	16x25x1					
	Output (Btuh) Std/Alt.	90,000	90,000									Motor Type/ H.P	PSC/1/2	Min. Cool		
	Temp. Rise (°F)	40-70	40-70												Cap. (Tons)	2
	Electrical (Volts/Hz/FLA)	115/60/9.2	115/60/9.2													
Transformer Size (VA)	40	40	Cap. (Tons)													
T'stat Heat Anticipator	.30	.30														
GAS & IGNITION	Gas Valve	HW SV9500		HW SV9500	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)											
	Regulation Type	SNAP		SNAP												
	Manifold Press. (Inch's WC)	3.5		10.0												
	Std. Main Orifices (No/Size)	4/#42	4/#54													
	Pilot Orifice Size	.018	.011													
COMBUSTION	Ignition Type/Series	HW HSP	HW HSP	External Static Pressure	Inches of W.C.	TAP	LOW	MED L	MED H	HIGH						
	Lock-Out Time	---	---													
	Flue Outlet Size (Inches)	2,2 1/2,3	2,2 1/2,3													
	Std. Outlet Temp (°F)	<140	<140													
	Comb. Blower (MFD/Volts)	4/250	4/250													
LIMITS & CONTROLS	Std. Pressures (Inch's of WC)	@Blower	@Burner Box	External Static Pressure	Inches of W.C.	TAP	LOW	MED L	MED H	HIGH						
	5' No Elbows	-2.40	-.10								Differential	-2.3				
	40' +5-90° DWV Elbows	-1.98	-.20										-1.78			
	Rollout Switch	200	200													
	Limit Control Setting (°F)	180	180													
Auxiliary Limit (°F)	130	130														
LIMITS & CONTROLS	Fan Control (Type)	HW ST9120	HW ST9120	Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP)	TAP	LOW	MED L	MED H	HIGH							
	Fan Control On	60	60													
	(Timed-Secs) Off	60,90,120,150	60,90,120,150													
	Std. Pressure Sw. (Part No)	1010895	1010895													
	Press Differential (Close)	1.62	1.62													
Press Differential (Open)	1.38	1.38														
LIMITS & CONTROLS	High Alt. Press. Sw (Part No)	1008817	1008817	External Static Pressure	Inches of W.C.	TAP	LOW	MED L	MED H	HIGH						
	Press Differential (Close)	1.40	1.40													
	Press Differential (Open)	1.18	1.18													

Air Delivery in Cubic Feet per Minute (C.F.M.)

(Furnace Rated @0.5" WC ESP)

TAP	LOW	MED L	MED H	HIGH
.10	954	1312	1698	1925
.20	950	1292	1645	1853
.30	946	1265	1596	1780
.40	915	1231	1530	1708
.50	878	1175	1455	1638
.60	830	1118	1362	1546
.70	778	1020	1241	1435

Air Delivery in Liters Per Second (L/S)

(Furnace Rated @0.5" WC ESP)

TAP	LOW	MED L	MED H	HIGH
.10	450	619	801	908
.20	448	610	776	874
.30	446	597	753	840
.40	432	581	722	806
.50	414	555	687	773
.60	392	528	643	730
.70	367	481	586	677

Manufacturers Number (Mfr No -See Rating Plate)				H DUH125N5A						
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) 16x25 3.5 5			
	Input (Btuh) Std/Alt.	125,000	125,000							
	Output (Btuh) Std/Alt.	113,125	113,125							
	Temp. Rise (°F)	45-75	45-75							
	Electrical (Volts/Hz/FLA)	115/60/10.5	115/60/12.0							
GAS & IGNITION	Transformer Size (VA)	40	40	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)						
	T'stat Heat Anticipator	.30	.30							
	Gas Valve	HW SV9500	HW SV9500							
	Regulation Type	SNAP	SNAP							
	Manifold Press. (Inch's WC)	3.5	10.0							
COMBUSTION	Std. Main Orifices (No/Size)	5/#42	5/#54	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH	
	Pilot Orifice Size	.018	.011							
	Ignition Type/Series	HSP	HSP							
	Lock-Out Time	---	---							
	Flue Outlet Size (Inches)	3	3							
LIMITS & CONTROLS	Std. Outlet Temp (°F)	<140	<140	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH	
	Comb. Blower (MFD/Volts)	4/250	4/250							
	Std. Pressures (Inch's of WC)	@Blower	@Burner Box							Differential
	5' No Elbows	-2.40	-.17							-2.23
	40' +5-90° DWV Elbows	-2.16	-.20							-1.86

Air Delivery in Cubic Feet per Minute (C.F.M.)

(Furnace Rated @0.5" WC ESP)

TAP	LOW	MED L	MED H	HIGH
.10	1463	1650	1879	2214
.20	1429	1635	1859	2154
.30	1417	1614	1838	2152
.40	1389	1579	1806	2106
.50	1364	1556	1773	2049
.60	1339	1513	1725	1981
.70	1299	1470	1668	1903

Air Delivery in Liters Per Second (L/S)

(Furnace Rated @0.5" WC ESP)

TAP	LOW	MED L	MED H	HIGH
.10	690	779	887	1045
.20	674	772	877	1017
.30	669	762	867	1016
.40	656	745	852	994
.50	644	734	837	967
.60	632	714	814	935
.70	613	694	787	898

Manufacturers Number (Mfr No -See Rating Plate)				HDDH050N3A						
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	Washable			
	Input (Btuh) Std/Alt.	50,000	50,000			Filt Size (")	(2)16x18"			
	Output (Btuh) Std/Alt.	45,500	45,500			Min. Cool	1.5			
	Temp. Rise (°F)	40-70	40-70			Cap. (Tons)	3			
GAS & IGNITION	Electrical (Volts/Hz/FLA)	115/60/5.3	115/60/5.3	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)	External Static Pressure Inches of W.C.					
	Transformer Size (VA)	40	40			TAP	LOW	MED L	MED H	HIGH
	T'stat Heat Anticipator	.30	.30			.10	718	840	1109	1473
	Gas Valve	HW SV9500	HW SV9500			.20	719	838	1094	1431
COMBUSTION	Regulation Type	SNAP	SNAP	Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP)	External Static Pressure Inches of W.C.					
	Manifold Press. (Inch's WC)	3.5	10.0			.30	714	837	1086	1396
	Std. Main Orifices (No/Size)	2/#42	2/#54			.40	692	819	1063	1349
	Pilot Orifice Size	.018	.011			.50	660	791	1027	1291
LIMITS & CONTROLS	Ignition Type/Series	HW HSP	HW HSP							
	Lock-Out Time	---	---			.60	615	752	986	1222
	Flue Outlet Size (Inches)	2	2			.70	563	683	934	1141
	Std. Outlet Temp (°F)	<140	<140							
COMBUSTION	Comb. Blower (MFD/Volts)	4/250	4/250							
	Std. Pressures (Inch's of WC)	@Blower	@Burner Box			Differential				
	5' No Elbows	-2.30	-.10			-2.4				
	40' +5-90° DWV Elbows	-2.20	-.20			-2.0				
LIMITS & CONTROLS	Rollout Switch ⁰ F	250	250							
	Limit Control Setting (°F)	240	240							
	Auxiliary Limit (°F)	120	120							
	Fan Control (Type)	HW ST9120	HW ST9120							
LIMITS & CONTROLS	Fan Control On	30/60	30/60							
	(Timed-Secs) Off	60,100,140,180	60,100,140,180							
	Std. Pressure Sw. (Part No)	1008944	1008944							
	Press Differential (Close)	1.62	1.62							
LIMITS & CONTROLS	Press Differential (Open)	1.38	1.38							
	High Alt. Press. Sw (Part No)	1008945	1008945							
	Press Differential (Close)	1.40	1.40							
	Press Differential (Open)	1.18	1.18							

Manufacturers Number (Mfr No -See Rating Plate)				HDDH075N3A			
Specifications				Circulation Air Blower Data			
GENERAL	Gas Type	Nat	LP	Type & Size	10-8	Filt Type	Washable
	Input (Btuh) Std/Alt.	75,000	75,000		Motor Amps/RPM	6.8/1050	Filt Size (")
	Output (Btuh) Std/Alt.	67,500	67,500	Motor Type/ H.P.	PSC/1/2	Min. Cool	
	Temp. Rise (°F)	40-70	40-70	Cap. MFD/Volts	7.5/370	Cap. (Tons)	2
	Electrical (Volts/Hz/FLA)	115/60/7.5	115/60/7.5			Max. Cool	
	Transformer Size (VA)	40	40			Cap. (Tons)	3
	T'stat Heat Anticipator	.30	.30				
GAS & IGNITION	Gas Valve	HW SV9500	HW SV9500	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)			
	Regulation Type	SNAP	SNAP				
	Manifold Press. (Inch's WC)	3.5	10.0				
	Std. Main Orifices (No/Size)	3/#42	3/#54				
	Pilot Orifice Size	.018	.011				
	Ignition Type/Series	HW HSP	HW HSP				
	Lock-Out Time	---	---				
COMBUSTION	Flue Outlet Size (Inches)	2,2 ¹ / ₂ ,3	2,2 ¹ / ₂ ,3				
	Std. Outlet Temp (°F)	<140	<140				
	Comb. Blower (MFD/Volts)	4/250	4/250				
	Std. Pressures (Inch's of WC)	@Blower	@Burner Box	Differential			
	5' No Elbows	-2.3	-.10	-2.2			
	40' +5-90° DWV Elbows	-2.05	-.15	-1.9			
LIMITS & CONTROLS	Rollout Switch	200	200				
	Limit Control Setting (°F)	180	180				
	Auxiliary Limit (°F)	130	130				
	Fan Control (Type)	HW ST9120	HW ST9120				
	Fan Control On	30/60	30/60				
	(Timed-Secs) Off	60,100,140,180	60,100,140,180				
	Std. Pressure Sw. (Part No)	1008944	1008819				
	Press Differential (Close)	1.62	1.62				
	Press Differential (Open)	1.38	1.38				
	High Alt. Press. Sw (Part No)	1008945	1008945				
	Press Differential (Close)	1.40	1.40				
	Press Differential (Open)	1.18	1.18				

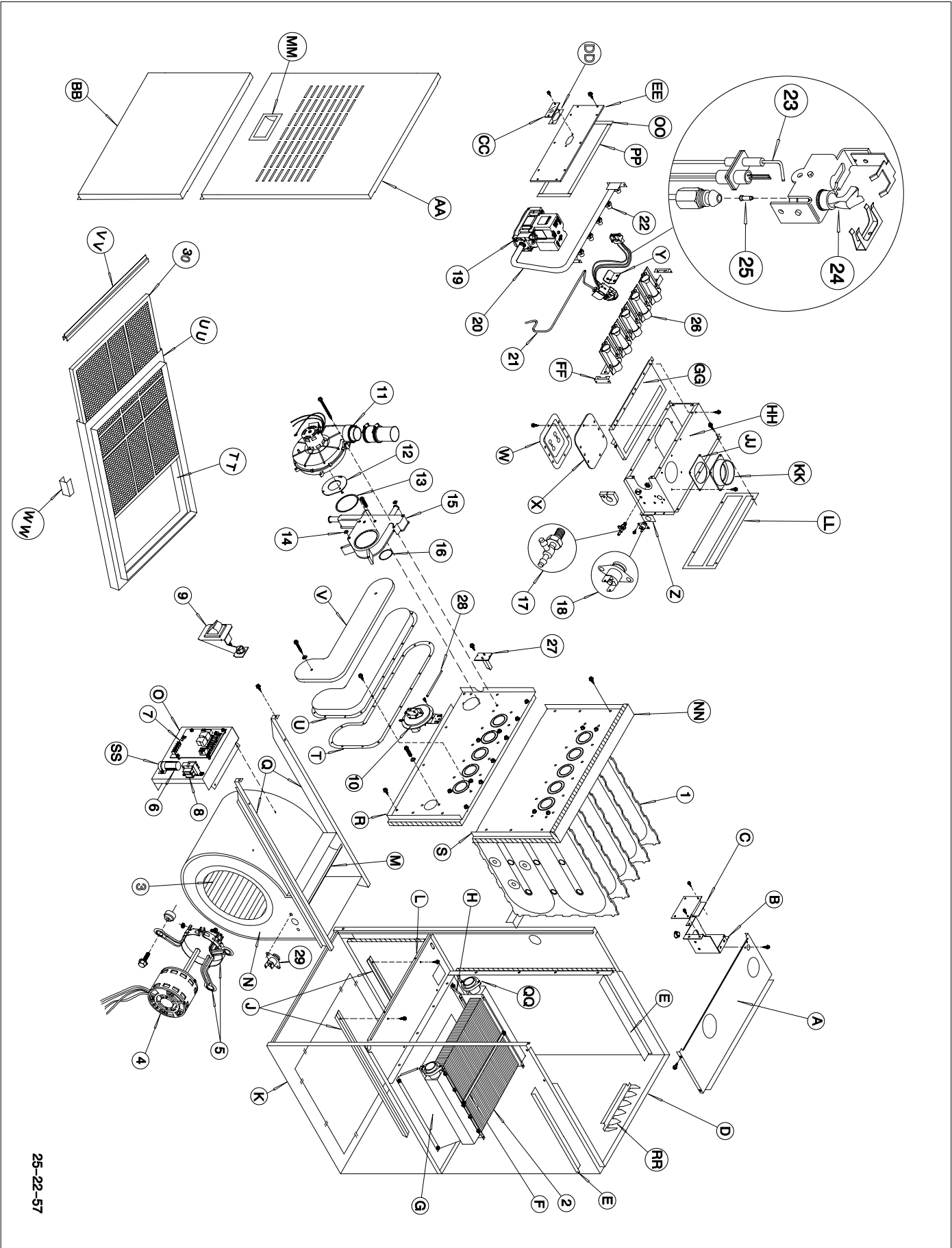
External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH
	.10	778	984	1263	1576
	.20	786	1003	1249	1532
	.30	790	1003	1244	1489
	.40	788	1001	1215	1432
	.50	781	982	1186	1371
	.60	765	962	1146	1308
	.70	743	923	1094	1229

External Static Pressure Inches of W.C.	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

Manufacturers Number (Mfr No -See Rating Plate)					HDDH100N4A								
Specifications					Circulation Air Blower Data								
GENERAL	Gas Type	Nat	LP	Type & Size	10-10 Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	8.5/1050 PSC/1/2 10/370	Filt Type	Washable					
	Input (Btuh) Std/Alt.	100,000	100,000				Filt Size (")	(2)16x18"					
	Output (Btuh) Std/Alt.	90,000	90,000				Min. Cool						
	Temp. Rise (°F)	40-70	40-70				Cap. (Tons)	2					
GAS & IGNITION	Electrical (Volts/Hz/FLA)	115/60/9.2	115/60/9.2	Air Delivery in Cubic Feet per Minute (C.F.M.)	External Static Pressure	Inches of W.C.	Air Delivery in Cubic Feet per Minute (C.F.M.)						
	Transformer Size (VA)	40	40				(Furnace Rated @0.5" WC ESP)						
	T'stat Heat Anticipator	.30	.30				TAP	LOW	MED L	MED H	HIGH		
	Gas Valve	HW SV9500	HW SV9500				.10	954	1312	1698	1925		
COMBUSTION	Regulation Type	SNAP	SNAP	External Static Pressure	Inches of W.C.	.20	950	1292	1645	1853			
	Manifold Press. (Inch's WC)	3.5	10.0				.30	946	1265	1596	1780		
	Std. Main Orifices (No/Size)	4/#42	4/#54				.40	915	1231	1530	1708		
	Pilot Orifice Size	.018	.011				.50	878	1175	1455	1638		
LIMITS & CONTROLS	Ignition Type/Series	HW HSP	HW HSP	External Static Pressure	Inches of W.C.	.60	830	1118	1362	1546			
	Lock-Out Time	---	---				.70	778	1020	1241	1435		
	Flue Outlet Size (Inches)	2,2 ¹ / ₂ .3	2,2 ¹ / ₂ .3				Air Delivery in Liters Per Second (L/S)						
	Std. Outlet Temp (°F)	<140	<140				(Furnace Rated @0.5" WC ESP)						
GAS & IGNITION	Comb. Blower (MFD/Volts)	4/250	4/250	External Static Pressure	Inches of W.C.	.10	450	619	801	908			
	Std. Pressures (Inch's of WC)	@Blower	@Burner Box				Differential	.20	448	610	776	874	
	5' No Elbows	-2.40	-.10				-2.30		.30	446	597	753	840
	40' +5-90° DWV Elbows	-1.98	-.20				-1.78		.40	432	581	722	806
LIMITS & CONTROLS	Rollout Switch(°F)	200	200	External Static Pressure	Inches of W.C.	.50	414		555	687	773		
	Limit Control Setting (°F)	240	240				.60	392	528	643	730		
	Auxiliary Limit (°F)	130	130				.70	367	481	586	677		
	Fan Control (Type)	HW ST9120	HW ST9120										
GAS & IGNITION	Fan Control On	30/60	30/60	External Static Pressure	Inches of W.C.								
	(Timed-Secs) Off	60,100,140,180	60,100,140,180										
	Std. Pressure Sw. (Part No)	1008944	1008944										
	Press Differential (Close)	1.62	1.62										
LIMITS & CONTROLS	Press Differential (Open)	1.38	1.38	External Static Pressure	Inches of W.C.								
	High Alt. Press. Sw (Part No)	1008945	1008945										
	Press Differential (Close)	1.40	1.40										
	Press Differential (Open)	1.18	1.18										

Manufacturers Number (Mfr No -See Rating Plate)				HDDH125N5A						
Specifications				Circulation Air Blower Data						
GENERAL	Gas Type	Nat	LP	Type & Size	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)16x18" 3.5 5			
	Input (Btuh) Std/Alt.	125,000	125,000							
	Output (Btuh) Std/Alt.	112,500	112,500							
	Temp. Rise (°F)	45-75	45-75							
GAS & IGNITION	Electrical (Volts/Hz/FLA)	115/60/10.5	115/60/12.0	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)						
	Transformer Size (VA)	40	40							
	T'stat Heat Anticipator	.30	.30							
	Gas Valve	HW SV9500	HW SV9500							
COMBUSTION	Regulation Type	SNAP	SNAP	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH	
	Manifold Press. (Inch's WC)	3.5	10.0							
	Std. Main Orifices (No/Size)	5/#42	5/#54							
	Pilot Orifice Size	.018	.011							
LIMITS & CONTROLS	Ignition Type/Series	HSP	HSP	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH	
	Lock-Out Time	---	---							
	Flue Outlet Size (Inches)	3	3							
	Std. Outlet Temp (°F)	<140	<140							
GAS & IGNITION	Comb. Blower (MFD/Volts)	4/250	4/250	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH	
	Std. Pressures (Inch's of WC)	@Blower	@Burner Box							Differential
	5' No Elbows	-2.40	-.17							-2.23
	40' +5-90° DWV Elbows	-2.16	-.20							-1.86
LIMITS & CONTROLS	Rollout Switch(°F)	200	200	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH	
	Limit Control Setting (°F)	150	150							
	Auxiliary Limit (°F)	130	130							
	Fan Control (Type)	HW ST9120	HW ST9120							
GAS & IGNITION	Fan Control On	30/60	30/60	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH	
	(Timed-Secs) Off	60,100,140,180	60,100,140,180							
	Std. Pressure Sw. (Part No)	1008944	1008944							
	Press Differential (Close)	1.62	1.62							
COMBUSTION	Press Differential (Open)	1.38	1.38	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED H	HIGH	
	High Alt. Press. Sw (Part No)	1008945	1008945							
	Press Differential (Close)	1.40	1.40							
	Press Differential (Open)	1.18	1.18							

2. HDUH



Replacement Parts - HDUH

Models -HDUH050N3A1, HDUH075N3A1, HDUH100N4A1, HDUH125N5A1 (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
1	Heat Exchanger	1011837	1	-	-	-
		1011838	-	1	-	-
		1011839	-	-	1	-
		1011840	-	-	-	1
2	Coil Condenser	1010495	1	1	-	-
		1010496	-	-	1	-
		1010497	-	-	-	1
3	Wheel Blower	600587	1	1	-	-
		601210	-	-	1	-
		1011420	-	-	-	1
4	Motor Blower	1009054	1	-	-	-
		1009053	-	1	-	-
		1009052	-	-	1	-
		1011404	-	-	-	1
5	Mount Motor Kit	609227	1	1	1	-
		522020024	-	-	-	1
6	Capacitor 5/370V	1094954	1	-	-	-
	10/370V	1094956	-	-	1	1
	7.5/370V	1094239	-	1	-	-
7	Control, Fan Timer	1011927	1	1	1	1
8	Transformer	1011626	1	1	1	1
9	Switch Door Interlock	1010886	1	1	1	1
10	Switch Pressure	1010895	1	1	1	1
11	Blower Exhaust	1011409	1	1	1	-
		1011410	-	-	-	1
12	Restrictor Exh Blwr	1008696	1	1	-	-
		1009386	-	-	1	-
		1008699	-	-	-	1
13	O Ring (Exh Blwr)	1009035	1	1	1	1
14	Washer Exh Blwr	1009037	2	2	2	2
15	Transition Asy	1011850	1	1	1	1
16	O Ring (Header Box)	1009036	1	1	1	1
17	Pressure Tap	1005606	1	1	1	1
18	Switch Limit Rollout	1005549	1	-	-	-
		1010575	-	1	1	1
19	Valve Gas Nat & LP	1010988	1	1	1	1
20	Manifold Gas	1011645	1	-	-	-
		1011646	-	1	-	-
		1011647	-	-	1	-
		1011648	-	-	-	1
21	Tube Pilot	64930	1	1	1	1
22	Orifice Burner Nat #42	1011351	2	3	4	5
	LP #54	*1011376	2	3	4	5
	High Altitude Orifice Nat #44	1011352	2	3	4	5
	LP #55	*1011354	2	3	4	5
	LP #56	*1011355	2	3	4	5
23	Igniter/Sensor with Clip	1009524	1	1	1	1
24	Pilot Burner Assembly Nat & LP	1008731	1	1	1	1
25	Orifice Pilot Nat .018	503211	1	1	1	1
	LP .011	1009136	-	-	-	-
26	Burner Asy	1008723	1	-	-	-
		1008724	-	1	-	-
		1008725	-	-	1	-
		1008726	-	-	-	1
27	Switch Limit (Main)	1010647	1	-	-	-
		34332903	-	1	-	1
		1320547	-	-	1	-
28	Tube Sensor	1006298	1	1	1	1
29	Switch, Limit (Aux.)	1000735	1	1	1	1
30	Filter 16" x 25" x 1/2"	1010365	1	1	1	2

Key No.	Description Non-Functional	Part Number	050	075	100	125
A	Panel Top	1010607	1	1	-	-
		1010608	-	-	1	-
		1010609	-	-	-	1
B	Box Field Connect	1011941	1	1	1	1
C	Cover Field Connect	1010360	1	1	1	1
D	Casing	1011649	1	1	-	-
		1011650	-	-	1	-
		1011651	-	-	-	1
E	Baffle Circ Air	707010031	2	2	2	2
F	Bracket Coil	1008743	1	1	-	-
		1008745	-	-	1	-
		1008747	-	-	-	1
G	Bracket Mount Coil (RH)	1011446	1	1	1	1
H	Bracket Mount Coil (LH)	1011445	1	1	1	1
J	Rail Blower Slide	57059	2	2	2	2
K	Casing Base	1010113	1	1	-	-
		1010114	-	-	1	-
		1010115	-	-	-	1
L	Blower Partition	1010815	1	1	-	-
		1010816	-	-	1	-
		1010817	-	-	-	1
M	Panel Cutoff Blwr	721020013	1	1	-	-
		721020008	-	-	1	1
N	Housing Blower	1011680	1	1	-	-
		1011681	-	-	1	-
		1010481	-	-	-	1
O	Bracket Ctrl Board	1011178	1	1	1	1
Q	Hanger Blower	1010690	2	2	2	2
R	Partition Frt Bot	1009489	1	-	-	-
		1009490	-	1	-	-
		1009491	-	-	1	-
		1009492	-	-	-	1
S	Partition Frt Top	1009485	1	-	-	-
		1009486	-	1	-	-
		1009487	-	-	1	-
		1009488	-	-	-	1
T	Gasket Collector Box	1008676	1	1	-	-
		1008677	-	-	1	-
		1008678	-	-	-	1
U	Collector Box	1008670	1	1	-	-
		1008671	-	-	1	-
		1008672	-	-	-	1
V	Board Insul Coll Box	1008682	1	1	-	-
		1008683	-	-	1	-
		1008684	-	-	-	1
W	Cover Diaphragm	1068036	1	1	1	1
X	Diaphragm Silicone	1008763	1	1	1	1
Y	Bracket Pilot	1010901	1	1	1	1
Z	Gasket Limit Switch	1008778	1	1	1	1
AA	Door Louvered (HDUH ONLY)	1010168	1	1	-	-
		1010169	-	-	1	-
		1010170	-	-	-	1
BB	Door Blower	1010190	1	1	-	-
		1010192	-	-	1	-
		1010257	-	-	-	1
CC	Viewport Cover Lexan	2480678	1	1	1	1
DD	Gasket Viewport	1093666	1	1	1	1

* Only used when furnace has been converted to LP Gas

Replacement Parts - HDUH

Models -HDUH050N3A1, HDUH075N3A1, HDUH100N4A1, HDUH125N5A1 (Natural Gas)

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

Key No.	Description Non-Functional	Part Number	050	075	100	125
EE	Cover Burner Box	1008748	1	1	-	-
		1008749	-	-	1	-
		1008750	-	-	-	1
FF	Bracket Burner Box	1008722	2	2	2	2
GG	Baffle Burner Box	1008709	1	1	-	-
		1008710	-	-	1	-
		1008711	-	-	-	1
HH	Burner Box Asy	1010381	1	1	-	-
		1010382	-	-	1	-
		1010383	-	-	-	1
JJ	Gasket Air Intake	1008746	1	1	1	1
KK	Coupling Air Intake	1008744	1	1	1	1
LL	Gasket Burner Box	1008759	1	1	-	-
		1008760	-	-	1	-
		1008761	-	-	-	1
MM	Door Handle	1010073	1	1	1	1
NN	Gasket, Heat Exchanger	2480904	2	-	-	-
		2480905	-	2	-	-
		2480906	-	-	2	-
		2480907	-	-	-	2
OO	Seal, Burner Box Sides	1008755	2	2	2	2
PP	Seal, Burner Box	1008762	2	2	-	-
		1009243	-	-	2	-
		1009244	-	-	-	2
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
{	PART NOT ILLUSTRATED					
{	Wire Harness	1011086	1	1	1	1
{	Fuse-5 Amp.	1083348	1	1	1	1
{	Pin Plastic Clip	2344276	3	3	3	3
{	Flexible Neoprene Coupling	1002522	2	2	2	2
{	Clamp Hose	1002793	4	4	4	4
{	Screen 2"	1007339	2	2	2	2
{	Screen 3"	1007340	2	2	2	2
{	Elbow Union	1012099	1	1	1	1
{	Manual Tech	440 03 3004 01	1	1	1	1
{	Manual Install	440 01 3004 01	1	1	1	1
{	Manual Homeowners	441 02 3001 01	1	1	1	1
{	Grommet, Vinyl	1009535	1	1	1	1
{	Bushing, Strn Rif	1945287	1	1	1	1

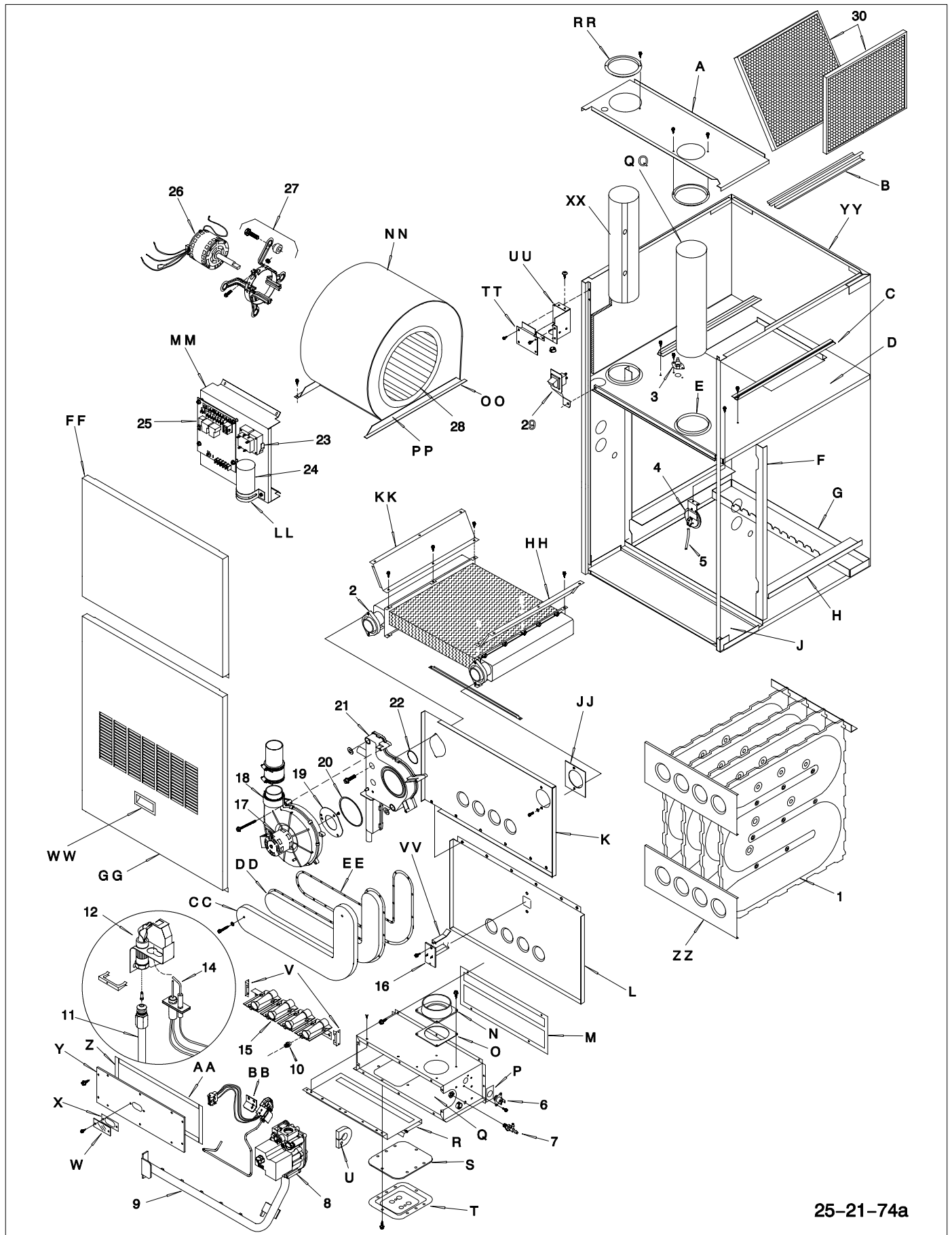
Gas Conversion Kits - All models

Nat to LP NAHF002LP *1009509

LP to Nat *1009510

*Must be ordered from Service Parts

3. HDDH



25-21-74a

Replacement Parts - HDDH

Models -HDDH050N3A1, HDDH075N3A1, HDDH100N4A1, HDDH125N5A1 (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	1011036	1	1	-	-
		1010497	-	-	-	1			1011037	-	-	1	-
3	Limit Switch, Auxillary	613839	-	1	1	-			1011038	-	-	-	1
		1065702	-	-	-	1	E	Plate, Fill-in	1011072	1	1	-	-
		1056172	1	-	-	-			1011073	-	-	1	-
4	Switch, Pressure	1010895	1	1	1	1			1011074	-	-	-	1
	Switch, Pressure (Hi Alt)	1008945	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	1005548	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	1011024	1	1	1	1	H	Baffle Air	1009880	2	-	-	-
9	Manifold Gas	1008737	1	-	-	-			707010031	-	2	2	2
		1008738	-	1	-	-	J	Base, Front	1010090	1	1	-	-
		1008739	-	-	1	-			1010236	-	-	1	-
		1008740	-	-	-	1			1010237	-	-	-	1
10	Orifice Burner Nat #42 Brass	1004143	2	3	4	5	K	Partition Top Front	1009493	1	-	-	-
	LP #54 Silver	*1004142	*2	*3	*4	*5			1009494	-	1	-	-
	Hi Alt Orifice Nat #44 Brass	1065253	2	3	4	5			1009495	-	-	1	-
	Nat #45 Brass	1065121	2	3	4	5			1009496	-	-	-	1
	LP #55 Silver	*1065255	*2	*3	*4	*5	L	Partition Bot Front	1009497	1	-	-	-
	LP #56 Silver	*1065167	*2	*3	*4	*5			1009498	-	1	-	-
11	Pilot Tubing, Aluminum	64930	1	1	1	1			1009499	-	-	1	-
12	Pilot Assembly Nat & LP	1149856	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	-	-
17	Capacitor, 4/250	1149252	1	1	1	1			1008710	-	-	1	-
18	Blower Exhaust	1010527	1	1	1	1			1008711	-	-	-	1
19	Restrictor Exh Blwr	1008696	1	1	-	-	S	Diaphragm, Silicone	1008763	1	1	1	1
		1009386	-	-	1	-		Rubber					
		1008699	-	-	-	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	1010537	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	1011103	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	1011927	1	1	1	1	Z	Seal, Cover Sides	1008755	2	2	2	2
26	Motor, 4 Speed	1009054	1	-	-	-	AA	Strip, Seal Burner Box	1008762	2	2	-	-
		1009053	-	1	-	-			1009243	-	-	2	-
		1009052	-	-	1	-			1009244	-	-	-	2
		1008619	-	-	-	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	-	-
		1009147	-	-	-	1			1008674	-	-	1	-
29	Switch-Interlock	1010886	1	1	1	1			1008675	-	-	-	1
30	Filter W/Frame 16"x19"x1"	1009750	2	2	2	2							

* Only used when furnace has been converted to LPgas.

Replacement Parts - HDDH

Models -HDDH050N3A1, HDDH075N3A1, HDDH100N4A1, HDDH125N5A1 (Natural Gas)

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

Key No.	Description Non-Functional	Part Number	050	075	100	125
EE	Gasket, Collector Box	1009536	1	1	-	-
		1009537	-	-	1	-
		1009538	-	-	-	1
FF	Door Louvered (HDDH ONLY)	1010171	1	1	-	-
	(HDDH ONLY)	1010172	-	-	1	-
	(HDDH ONLY)	1010173	-	-	-	1
GG	Door, Fan (HDDH ONLY)	1010255	1	1	-	-
	(HDDH ONLY)	1010256	-	-	1	-
	(HDDH ONLY)	1010257	-	-	-	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	1	1	-	-
		1007753	-	-	1	-
		1007769	-	-	-	1
OO	Blower Cutoff	721020013	1	1	-	-
		721020008	-	-	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	1	1	-	-
		1010571	-	-	1	-
		1010572	-	-	-	1
ZZ	Gasket, Heat Exchanger	2480904	2	-	-	-
		2480905	-	2	-	-
		2480906	-	-	2	-
		2480907	-	-	-	2
	)(PART NOT ILLUSTRATED					
)(	Wire Harness	1011861	1	1	1	1
)(	Fuse-5 Amp.	1083348	1	1	1	1
)(	Clamp Hose	1002793	4	4	4	4
)(	Coupling, Discharge	1002522	2	2	2	2
)(	Reducer, 3" to 2"	1005779	1	1	1	1
)(	Elbow Union	1012099	1	1	1	1
)(	Manual Install	440 03 3004 01	1	1	1	1
)(	Manual Tech	440 01 3004 01	1	1	1	1
)(	Manual Homeowners	441 02 3001 01	1	1	1	1
)(	Screen 3"	1007340	1	1	1	1
)(	Screen 2"	1007339	1	1	1	1
)(	Washer Exha Blower	1009037	2	2	2	2
)(	Clip, Plastic Pin	2344276	3	3	3	3

Horizontal Condensate Switch Kit All Models

NAHL001HK

Gas Conversion Kits All Models

Nat to LP NAHF002LP *1009509

LP to Nat NAHF002NG *1009510

*Order from Service Parts