



Unitary Products Group
5005 York Drive
Norman, OK 73069
1/877-874-7378

Date: May 9, 2007

TECHNICAL SERVICE

YS-022-07

To: All York Distributors
All York Branches
All Field Service Supervisors

Subject: ECM Motor changes on 13, 14, and 15 Seer Residential HP and E/E Units.

Units: B1HX024-60, B1HP024-60, B2HP024-60, B1HZ024-60,
B1HH060, D1EM024-60

As a result of recent Product Report complaints of excessive heating air flows on Heat Pump and Electric/Electric units a change has been implemented to the ECM motors giving 2 speeds during the heat operation. The new air flow settings take into consideration the limit settings and unit reliable operation.

Original production units with ECM blower motors included two programmed motor cooling speeds, and a single programmed heating speed. Effective with March 5th of 2007 unit production (N0C7 serial number prefix) a second heat speed has been added to the units. Adjustment is the same as the cooling by changing taps on TB2. Units will be shipped with the ECM blower motors factory set to operate on the highest cfm cooling fan speed and the lowest cfm heating fan speed.

In April 2007 (N0D7 serial number prefix) a production change is planned for 13 Seer Packaged units only to switch from the current ECM blower motor to a multi-speed X-13 blower motor. The X-13 motor will allow multiple speed taps similar to a PSC motor to fine-tune your application even more. This will be a generation change to the model number. The generation is the second space in the model number. Attached is a matrix showing old and new motor part numbers and operating data. Please note that the new ECM motors can be used to resolve excessive heating airflow complaints to replace original, single speed heating programmed motors. Motors should only be replaced on a fix on fail or complaint basis only. New ECM programmed motors can only be used to replace other ECM motors and not the new X-13 motors.

This Service Letter will provide 1-hour labor plus a replacement ECM motor to resolve excessive heating airflow consumer complaints. Please reference this Service Letter number when submitting related warranty claims.

Sincerely,

Len B. Renfro

Patrick G. Gavula

Len B. Renfro
Field Service Supervisor

Patrick G. Gavula
Manager, Commercial Products Engineering

New Programmed SAP Number	New Source One Part Number	Where Used	Motor HP	OLD												NEW													
				COOL				HEAT PUMP				HEAT				COOL				HEAT PUMP				BACKUP HEAT					
				A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D		
292434	S1-02435586004	B1HH060A	1	1815	1880	2180	1925	1925	1880	2180	2070	1900	1975	2150	2070	1815	0	0	0	1925	1925	0	0	0	1750	2070	0	0	1900
160566	S1-02435686010	B1HX024A	1/2	800	800	800	900					800	800	800	900	800	600	700	900	800	600	700	900	800	720	880	800		
160567	S1-02435687008	B1HX036A	3/4	1200	1200	1200	1200					1200	1200	1200	1200	1200	1000	1100	1300	1200	1000	1100	1300	1200	1080	1320	1200		
160568	S1-02435687009	B1HX048A	3/4	1600	1600	1600	1600					1600	1600	1600	1600	1600	1400	1500	1700	1600	1400	1500	1700	1600	1440	1760	1600		
160569	S1-02435586006	B1HX060A	1	1700	1700	1700	1700					1700	1700	1700	1700	1700	1600	1800	1900	1700	1600	1800	1900	1900	1975	2150	2070		
292087	S1-02435686005	B2HP/HZ024A	1/2	800	0	0	900	800	0	0	900	800	0	0	800	800	0	0	900	800	0	0	650	800	0	0	800		
292088	S1-02435686007	B2HP/HZ030A	1/2	1000	0	0	1125	1000	0	0	1125	1000	0	0	1000	1000	0	0	1125	1000	0	0	850	1000	0	0	1000		
292089	S1-02435687003	B2HP/HZ036A	3/4	1050	0	0	1200	1050	0	0	1200	1200	0	0	1200	1050	0	0	1200	1200	0	0	1050	1200	0	0	1100		
292090	S1-02435687004	B2HP/HZ042A	3/4	1300	0	0	1400	1500	0	0	1500	1225	0	0	1225	1300	0	0	1400	1500	0	0	1250	1225	0	0	1150		
292431	S1-02435687006	B2HP/HZ048A	3/4	1500	0	0	1600	1400	0	0	1600	1600	0	0	1600	1500	0	0	1600	1600	0	0	1400	1600	0	0	1500		
292433	S1-02435586003	B2HP060A	1	1460	0	0	1815	1850	0	0	1850	1900	1975	2150	2070	1460	0	0	1815	1850	0	0	1750	2070	0	0	1900		
292432	S1-02435586002	B2HZ060A	1	1460	0	0	1815	1500	0	0	1650	1900	1975	2150	2070	1460	0	0	1815	1850	0	0	1500	2070	0	0	1900		
292435	S1-02435686009	D1EM024A	1/2	800	0	0	1000	0	0	0	0	800	0	0	1000	800	0	0	1000	0	0	0	0	800	0	0	1000		
292436	S1-02435686006	D1EM030A	1/2	1085	0	0	1250	1085	0	0	1250	1085	0	0	1250	1085	0	0	1250	0	0	0	0	1000	0	0	1200		
292437	S1-02435686008	D1EM036A	1/2	950	1050	1150	1250	950	1050	1150	1250	1250	1050	1150	1400	950	0	0	1250	0	0	0	0	1100	0	0	1200		
292438	S1-02435687007	D1EM042A	3/4	1180	0	0	1400	1500	0	0	1500	1225	0	0	1225	1180	0	0	1400	0	0	0	0	1150	0	0	1225		
292430	S1-02435687005	D1EM048A	3/4	1500	0	0	1600	1500	0	0	1600	1600	0	0	1600	1500	0	0	1600	0	0	0	0	1500	0	0	1600		
292441	S1-02435586005	D1EM060A	1	1490	1880	2180	1925	1490	1880	2180	1925	1900	1975	2150	2070	1490	0	0	1925	0	0	0	0	1900	0	0	2070		
289392	S1-02432052019	D1NP/NZ030N036*	3/4	1000	0	0	1250					850	0	0	850	1000	0	0	1250	0	0	0	0	670	0	0	850		
289393	S1-02432052020	D1NP/NZ030N056*	3/4	1000	0	0	1250					1100	0	0	1100	1000	0	0	1250	0	0	0	0	940	0	0	1150		
289394	S1-02432052016	D1NP/NZ036N036*	3/4	1200	0	0	1350					700	0	0	700	1200	0	0	1350	0	0	0	0	670	0	0	850		
289395	S1-02432052017	D1NP/NZ036N056*	3/4	1200	0	0	1350					1250	0	0	1250	1200	0	0	1350	0	0	0	0	1050	0	0	1300		
289396	S1-02432052018	D1NP/NZ036N072*	3/4	1200	0	0	1350					1350	0	0	1350	1200	0	0	1350	0	0	0	0	1200	0	0	1475		
289397	S1-02432053021	D1NP042N065*	1	1350	0	0	1500					1500	0	0	1500	1350	0	0	1500	0	0	0	0	1200	0	0	1500		
289398	S1-02432053022	D1NP042N090*	1	1350	0	0	1500					1275	0	0	1275	1350	0	0	1500	0	0	0	0	1150	0	0	1350		
		D1NP048N065*																											
289401	S1-02432053018	D2NZ048N065*	1	1400	0	0	1600					1525	0	0	1525	1400	0	0	1600	0	0	0	0	1200	0	0	1500		
		D1NP048N090*																											
289402	S1-02432053019	D2NZ048N090*	1	1400	0	0	1600					1600	0	0	1600	1400	0	0	1600	0	0	0	0	1325	0	0	1600		
		D1NP048N110*																											
289403	S1-02432053020	D2NZ048N110*	1	1400	0	0	1600					1600	0	0	1600	1400	0	0	1600	0	0	0	0	1450	0	0	1700		
289404	S1-02432053026	D1NP060N065*	1	1500	0	0	1800					1500	0	0	1700	1500	0	0	1800	0	0	0	0	1200	0	0	1500		
289561	S1-02432053027	D1NP060N090*	1	1500	0	0	1800					1500	0	0	1700	1500	0	0	1800	0	0	0	0	1325	0	0	1600		
289562	S1-02432053028	D1NP060N110*	1	1500	0	0	1800					1500	0	0	1700	1500	0	0	1800	0	0	0	0	1450	0	0	1700		
289280	S1-02435686013	D1NZ024N036*	1/2	800	0	0	1000					1000	0	0	1000	800	0	0	1000	0	0	0	0	670	0	0	850		
289391	S1-02435686014	D1NZ024N056*	1/2	800	0	0	1000					1150	0	0	1150	800	0	0	1000	0	0	0	0	940	0	0	1050		
289399	S1-02432053023	D1NZ042N065*	1	1150	0	0	1400					1500	0	0	1500	1150	0	0	1400	0	0	0	0	1200	0	0	1500		
289400	S1-02432053024	D1NZ042N090*	1	1150	0	0	1400					1275	0	0	1275	1150	0	0	1400	0	0	0	0	1150	0	0	1350		
289837	S1-02435686001	D2NX/NY024D056	1/2													800	600	700	900	0	0	0	0	670	690	710	750		
289564	S1-02435686011	D2NX/NY024N036	1/2	800	800	800	800	0	0	0	0	1000	1000	1000	1000	800	600	700	900	0	0	0	0	670	730	790	850		
289565	S1-02435686012	D2NX/NY024N056	1/2	800	800	800	800	0	0	0	0	1150	1150	1150	1150	800	600	700	900	0	0	0	0	940	975	1000	1050		
289941	S1-02432053040	D2NX/NY048D090	1													1550	1400	1600	1700	0	0	0	0	870	920	985	1050		
289942	S1-02432053041	D2NX/NY048D110	1													1550	1400	1600	1700	0	0	0	0	940	970	1050	1100		
289581	S1-02432053033	D2NX/NY048N065	1	1550	1550	1550	1550	0	0	0	0	1525	1525	15															