

# Product Information Bulletin

PIB10-18

August 16, 2010

## R-410A Indoor Piston Sizes

### It's the OUTDOOR Unit that Determines What Size to Use Indoors

Recently, ICP introduced a new line of piston fancoils (air handlers, refer to NPI10-01). This bulletin provides information regarding R-410A indoor piston sizes to be used with split AC and HP outdoor units.

Piston fancoils are no longer offered in the 5 ton size; therefore none of the 5 ton outdoor models show an indoor piston size.

#### **13 SEER "E" series split Heat Pumps:**

N4H3\*\*(A,G)KE  
C4H3\*\*GKE  
H4H3\*\*GKE  
T4H3\*\*GKE

All models have the required R-410A indoor piston size printed on the outdoor unit rating plate.

All models include one R-410A indoor piston of the proper size, shipped in a small plastic bag, tucked between the service valves.

Same-size (even matched) indoor/outdoor combinations will not require any piston changes. Fancoils ship with the correct piston to match a same-size outdoor unit.

If the fancoil size is mis-matched to the outdoor unit, use the piston shipped with the outdoor unit.

Save any extra pistons for use as spares later.

#### **Other single-stage split AC and HP outdoor units:**

N4A3 C4A3 H4A3 T4A3 N4H3\*\*CKA  
N4A4 C4A4 H4A4 T4A4 NXH5 CXH5 HXH5 TXH5  
NXA6 CXA6 HXA6 TXA6  
R4A3

All models were originally developed and tested with TXV indoor sections. In many cases there are also now piston fancoils rated and listed at AHRI with these outdoor sections. However, R-410A indoor piston sizes will NOT be printed on these outdoor rating plates. Use the chart on page 2 to determine the required piston size.

Do not assume that same-size (even matched) fancoils will automatically have the correct piston installed. AC often requires different piston sizes than HP, and higher SEER models often require different piston sizes than 13 SEER.

Beginning in September and implementing over several weeks, all models will include one R-410A indoor piston of the proper size, shipped in a small plastic bag, tucked between the service valves.

Extra pistons are available from FAST parts if you need them.

Note: R4H3 heat pumps do not achieve minimum 13 SEER with piston fancoils.

#### **Two-stage split AC and HP:**

C4A6/8 H4A6/8 T4A6/8  
C4H5/7 H4H5/7 T4H5/7



Piston fancoils are not appropriate for use with two-stage condensers. Only the FVM4X (TXV) has the capability to modulate airflow to match the High and Low compressor stages.

- chart on page 2 -

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Entry AC	Mainline AC			Piston #	FAST P/N
N4A318(A,G)KB	C4A318GKD	H4A318GKD	T4A318GKD	49	1183683
N4A324(A,G)KB	C4A324GKD	H4A324GKD	T4A324GKD	55	1183684
N4A330(A,G)KC	C4A330GKD	H4A330GKD	T4A330GKD	59	1183685
N4A336(A,G)KB	C4A336GKD	H4A336GKD	T4A336GKD	67	1179689
N4A336(A,G)KC	n/a	n/a	n/a	70	1179690
N4A342(A,G)KA	C4A342GKD	H4A342GKD	T4A342GKD	73	1183687
N4A342(A,G)KB	n/a	n/a	n/a	76	1179691
N4A348(A,G)KB	C4A348GKD	H4A348GKD	T4A348GKD	76	1179691
N4A348(A,G)KC	n/a	n/a	n/a	80	1179692
N4A360(A,G)KC	C4A360GKD	H4A360GKD	T4A360GKD	n/a	n/a
N4A318CKA	n/a	n/a	n/a	49	1183683
N4A324CKA	n/a	n/a	n/a	55	1183684
N4A330CKA	n/a	n/a	n/a	61	1179687
N4A336CKA	n/a	n/a	n/a	70	1179690
N4A342CKA	n/a	n/a	n/a	73	1183687
N4A348CKA	n/a	n/a	n/a	78	1183688
N4A360CKA	n/a	n/a	n/a	n/a	n/a
R4A318(A,G)KA	n/a	n/a	n/a	49	1183683
R4A324(A,G)KA	n/a	n/a	n/a	55	1183684
R4A330(A,G)KA	n/a	n/a	n/a	59	1183685
R4A336(A,G)KA	n/a	n/a	n/a	70	1179690
R4A336(A,G)KB	n/a	n/a	n/a	70	1179690
R4A342(A,G)KA	n/a	n/a	n/a	76	1179691
R4A342(A,G)KB	n/a	n/a	n/a	76	1179691
R4A348(A,G)KA	n/a	n/a	n/a	80	1179692
R4A348(A,G)KB	n/a	n/a	n/a	80	1179692
R4A360(A,G)KA	n/a	n/a	n/a	n/a	n/a
R4A360(A,G)KB	n/a	n/a	n/a	n/a	n/a
N4A418(A,G)KA	C4A418GKD	H4A418GKD	T4A418GKD	49	1183683
N4A424(A,G)KB	C4A424GKD	H4A424GKD	T4A424GKD	57	1179944
N4A430(A,G)KB	C4A430GKD	H4A430GKD	T4A430GKD	61	1179687
N4A436(A,G)KA	C4A436GKD	H4A436GKD	T4A436GKD	70	1179690
N4A442(A,G)KB	C4A442GKD	H4A442GKD	T4A442GKD	73	1183687
N4A448(A,G)KB	C4A448GKD	H4A448GKD	T4A448GKD	78	1183688
N4A449(A,G)KB	C4A449GKD	H4A449GKD	T4A449GKD	78	1183688
N4A460(A,G)KB	C4A460GKD	H4A460GKD	T4A460GKD	n/a	n/a
NXA618GKA	CXA618GKA	HXA618GKA	TXA618GKA	49	1183683
NXA624GKA	CXA624GKA	HXA624GKA	TXA624GKA	57	1179944
NXA630GKA	CXA630GKA	HXA630GKA	TXA630GKA	61	1179687
NXA636GKA	CXA636GKA	HXA636GKA	TXA636GKA	67	1179689
NXA642GKA	CXA642GKA	HXA642GKA	TXA642GKA	73	1183687
NXA648GKA	CXA648GKA	HXA648GKA	TXA648GKA	78	1183688
NXA660GKA	CXA660GKA	HXA660GKA	TXA660GKA	n/a	n/a

Entry HP	Mainline HP			Piston #	FAST P/N
N4H318(A,G)KE	C4H318GKD	H4H318GKD	T4H318GKD	52	1179943
N4H324(A,G)KE	C4H324GKD	H4H324GKD	T4H324GKD	57	1179944
N4H330(A,G)KE	C4H330GKE	H4H330GKE	T4H330GKE	67	1179689
N4H336(A,G)KE	C4H336GKE	H4H336GKE	T4H336GKE	70	1179690
N4H342(A,G)KE	C4H342GKE	H4H342GKE	T4H342GKE	76	1179691
N4H348(A,G)KE	C4H348GKE	H4H348GKE	T4H348GKE	80	1179692
N4H360(A,G)KB	C4H360GKD	H4H360GKD	T4H360GKD	n/a	n/a
N4H318CKA	n/a	n/a	n/a	52	1179943
N4H324CKA	n/a	n/a	n/a	57	1179944
N4H330CKA	n/a	n/a	n/a	67	1179689
N4H336CKA	n/a	n/a	n/a	70	1179690
N4H342CKA	n/a	n/a	n/a	76	1179691
N4H348CKA	n/a	n/a	n/a	80	1179692
N4H360CKA	n/a	n/a	n/a	n/a	n/a
NXH518GKA	CXH518GKA	HXH518GKA	TXH518GKA	52	1179943
NXH524GKA	CXH524GKA	HXH524GKA	TXH524GKA	59	1183685
NXH530GKA	CXH530GKA	HXH530GKA	TXH530GKA	65	1183686
NXH536GKA	CXH536GKA	HXH536GKA	TXH536GKA	70	1179690
NXH542GKA	CXH542GKA	HXH542GKA	TXH542GKA	78	1183688
NXH548GKA	CXH548GKA	HXH548GKA	TXH548GKA	80	1179692
NXH560GKA	CXH560GKA	HXH560GKA	TXH560GKA	n/a	n/a