

Physical Data

ZE036-060 Physical Data

Component	Models											
	ZE036				ZE048				ZE060			
Nominal Tonnage	3				4				5			
ARI COOLING PERFORMANCE												
Gross Capacity @ AHRI A point (Btu)	36600				49100				59000			
AHRI net capacity (Btu)	35500				47500				57000			
EER	12.0				12.0				11.8			
SEER	14.0				14.0				14.0			
IPLV	-				-				-			
CFM	1200				1450				1680			
System power (KW)	2.96				3.96				4.83			
Refrigerant type	R-410A				R-410A				R-410A			
Refrigerant charge (lb-oz)												
System 1	4-4				5-6				6-6			
AHRI HEATING PERFORMANCE												
Heating model	H05	H10	N07	N11	H07	H12	N07	N12	H10	H12	N07	N12
Heat input (K Btu)	50	100	75	115	75	125	75	125	100	125	75	125
Heat output (K Btu)	40	80	60.8	92	60	100	60.8	100.6	80	100	60.8	100.6
AFUE %	81	81	-	-	81	81	-	-	81	81	-	-
Steady state efficiency (%)	-	-	81.1	80.2	-	-	81.1	80.5	-	-	81.1	80.5
No. burners	2	4	3	5	3	5	3	5	4	5	3	5
No. stages	1	1	2	2	1	1	2	2	1	1	2	2
Temperature Rise Range (°F)	15-45	45-75	35-70	55-90	25-70	45-75	25-70	45-75	25-55	35-75	20-55	35-75
Gas Limit Setting (°F) - Direct Drive	240	170	210	200	210	165	210	165	170	165	210	165
Gas Limit Setting (°F) - Belt Drive	240	210	240	200	240	210	240	210	210	210	210	210
Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
DIMENSIONS (inches)												
Length	82 1/4				82 1/4				82 1/4			
Width	44 7/8				44 7/8				44 7/8			
Height	32 5/8				32 5/8				32 5/8			
OPERATING WT. (lbs.)	470				598				632			
COMPRESSORS												
Type	Scroll				Scroll				Scroll			
Quantity	1				1				1			
Unit Capacity Steps (%)	100				100				100			
CONDENSER COIL DATA												
Face area (Sq. Ft.)	16.3				16.3				16.3			
Rows	1				1				1			
Fins per inch	23				23				23			
Tube diameter (in.)	0.71 / 18				0.71 / 18				1.00 / 25.4			
Circuitry Type	2-pass Microchannel				2-pass Microchannel				2-pass Microchannel			
EVAPORATOR COIL DATA												
Face area (Sq. Ft.)	5.06				5.06				5.06			
Rows	3				4				4			
Fins per inch	13				13				13			
Tube diameter	0.375				0.375				0.375			
Circuitry Type	Intertwined				Intertwined				Intertwined			
Refrigerant control	Orifice				Orifice				TXV			

ZE036-060 Physical Data (Continued)

Component	Models					
	ZE036		ZE048		ZE060	
Nominal Tonnage	3		4		5	
CONDENSER FAN DATA						
Quantity of fans	1		1		1	
Fan diameter (Inch)	24		24		24	
Type	Prop		Prop		Prop	
Drive type	Direct		Direct		Direct	
Quantity of motors	1		1		1	
Motor HP each	1/2		1/2		1/2 ¹	
No. speeds	1		1		1	
RPM	1090		1090		1100	
CFM	4000		4000		4200	
BELT DRIVE EVAP FAN DATA						
Quantity	1		1		1	
Fan Size (Inch)	11 x 10		11 x 10		11 x 10	
Type	Centrifugal		Centrifugal		Centrifugal	
Motor Sheave	1VL44	1VP56	1VL44	1VP56	1VL44	1VP56
Blower Sheave	AK64	AK66	AK56	AK61	AK56	AK56
Belt	A37	A39	A36	A38	A36	A38
Motor HP each	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	2
RPM	1740		1740		1740	
Frame size	56		56		56	
DIRECT DRIVE EVAP FAN DATA²						
Quantity	1		1		1	
Fan Size (Inch)	11 x 10		11 x 10		11 x 10	
Type	Centrifugal		Centrifugal		Centrifugal	
Motor HP each	3/4		1		1	
RPM	1050		1050		1050	
FILTERS						
15" x 20" x 1" or 2"	2		2		2	
14" x 25" x 1" or 2"	1		1		1	

NOTE: All 2 Stage Gas Heat, 60% Capacity 1st Stage , 40% 2nd Stage

1. ECM O.D. Fan Motor
2. Only Available On 208/230 Volt Models