

TABULAR DATA SHEET

Split System Air Conditioner 18K to 42K

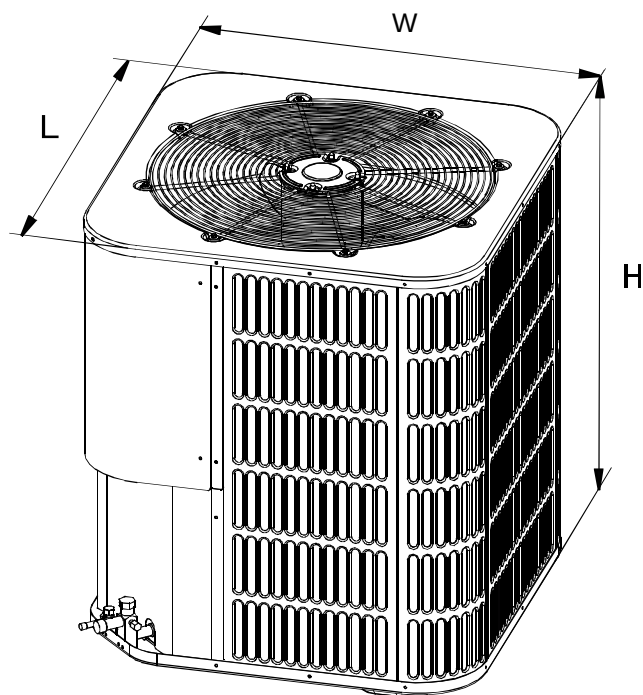
16 SEER – R-410A, 1PHASE

Physical and Electrical Data:

Model			MOVA-18CN1-M16	MOVA-18HN1-M16	MOVA-24CN1-M16	MOVA-24HN1-M16	MOVA-30CN1-M16
Power supply		V-Ph-Hz	208/230V-1Ph-60Hz				
Cooling	Capacity	Btu/h	18000	18000	24000	24000	30000
	SEER		16	15	16	15	16
Heating	Capacity	Btu/h	N/A	17500	N/A	23200	N/A
	HSPF		N/A	9	N/A	9	N/A
MCA		AMPS	12.3	12.3	17.9	17.9	18.7
MOP		AMPS	20	20	30	30	30
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Rated current(RLA)	AMPS	9	9	13.5	13.5	14.1
	Locked rotor Amp(LRA)	AMPS	48	48	58.3	58.3	73
Fan motor	Rated RPM	RPM	825	825	825	825	825
	Rated HP		1/6	1/6	1/6	1/6	1/6
Fan	Diameter	inchs	23	23	23-5/8	23-5/8	23-5/8
	Height	inchs	4-1/3	4-1/3	4-1/2	4-1/2	4-1/2
Coil	Number of rows		2	2	2	2	2
	Net face area(Outer coil)	sq. ft.	12.9	12.9	13.7	13.7	13.7
	Fins per inch		20	20	20	20	20
	Number of circuits		28	28	28	28	28
Refrigerant piping	Liquid side/ Suction side	inchs	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4

Model			MOVA-30HN1-M16	MOVA-36CN1-M16	MOVA-36HN1-M16	MOVA-42CN1-M16	MOVA-42HN1-M16
Power supply		V-Ph-Hz	208/230V-1Ph-60Hz				
Cooling	Capacity	Btu/h	30000	36000	35000	42000	42000
	SEER		15	16	15	16	15
Heating	Capacity	Btu/h	29000	N/A	35000	N/A	42000
	HSPF		9	N/A	9	N/A	9
MCA		AMPS	18.7	21.9	21.9	23.4	23.4
MOP		AMPS	30	35	35	40	40
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Rated current(RLA)	AMPS	14.1	16.7	16.7	17.9	17.9
	Locked rotor Amp(LRA)	AMPS	73	79	79	112	112
Fan motor	Rated RPM	RPM	825	825	825	825	825
	Rated HP		1/6	1/6	1/6	1/6	1/6
Fan	Diameter	inchs	23-5/8	23-5/8	23-5/8	23-5/8	23-5/8
	Height	inchs	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2
Coil	Number of rows		2	2	2	2.6	2.6
	Net face area(Outer coil)	sq. ft.	13.7	18.6	18.6	18.6	18.6
	Fins per inch		20	20	20	20	20
	Number of circuits		28	38	38	51	51
Refrigerant piping	Liquid side/ Suction side	inchs	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8	3/8 / 7/8	3/8 / 7/8

DIMENSIONS - INCHES



MODEL SIZE	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	"H" in.	"W" in.	"L" in.	Liquid in.	Vapor in.
18	24-15/16	28	28	3/8	3/4
24	24-15/16	29-1/8	29-1/8	3/8	3/4
30	24-15/16	29-1/8	29-1/8	3/8	3/4
36	33-3/16	29-1/8	29-1/8	3/8	7/8
42	33-3/16	29-1/8	29-1/8	3/8	7/8

System Charge for Various Matched Systems

Model	Air Handler		Factory Charge	Additional Charge oz/ft
	Model	Orifice/TXV		
MOVA-18CN1-M16	MVA-1830WN1-M16P	Orifice	6 lbs. 10 oz.	0.6
MOVA-18HN1-M16	MVA-1830WN1-M16P	Orifice	7 lbs. 11 oz.	0.6
MOVA-24CN1-M16	MVA-1830WN1-M16P	Orifice	7 lbs. 1 oz.	0.6
MOVA-24HN1-M16	MVA-1830WN1-M16P	Orifice	7 lbs. 11 oz.	0.6
MOVA-30CN1-M16	MVA-1830WN1-M16P	Orifice	7 lbs. 4 oz.	0.6
MOVA-30HN1-M16	MVA-1830WN1-M16P	Orifice	7 lbs. 15 oz.	0.6
MOVA-36CN1-M16	MVA-3642WN1-M16P	Orifice	9 lbs.4 oz.	0.6
MOVA-36HN1-M16	MVA-3642WN1-M16P	Orifice	10 lbs.2 oz.	0.6
MOVA-42CN1-M16	MVA-3642WN1-M16P	Orifice	9 lbs.11 oz.	0.6
MOVA-42HN1-M16	MVA-3642WN1-M16P	Orifice	10 lbs.6 oz.	0.6