

2-WAY FSV-EX ME2 Series

High Efficiency Combination Model

Appearance													
HP		8	10	12	14	16	18	20	22	24	26		
Model name		U-8ME2H7	U-10ME2H7	U-12ME2H7	U-14ME2H7	U-16ME2H7	U-18ME2H7HE	U-20ME2H7HE	U-22ME2H7	U-24ME2H7	U-26ME2H7		
Power supply		380/400/415V/3-phase/50Hz 380/400V/3-phase/60Hz											
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	68.0	73.0	
	Heating	kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0	69.0	76.5	81.5	
EER / COP	Cooling	W/W	5.30	5.03	4.73	4.56	4.13	5.15	5.05	4.84	4.69	4.42	
	Heating	W/W	5.84	5.56	5.38	5.29	5.13	5.71	5.58	5.48	5.31	5.29	
Dimensions	H x W x D	mm	1,842 x 770 x 1,000	1,842 x 770 x 1,000	1,842 x 1,180 x 1,000	1,842 x 1,180 x 1,000	1,842 x 1,180 x 1,000	1,842 x 1,600 x 1,000	1,842 x 1,600 x 1,000	1,842 x 2,010 x 1,000	1,842 x 2,420 x 1,000	1,842 x 2,010 x 1,000	
Net weight		kg	210	210	270	315	315	420	420	480	540	525	
Electrical ratings	Cooling	Running current	A	7.14 / 6.78 / 6.54	9.62 / 9.14 / 8.81	11.8 / 11.2 / 10.8	15.3 / 14.5 / 14.0	18.4 / 17.5 / 16.8	16.6 / 15.7 / 15.2	19.2 / 18.2 / 17.5	21.4 / 20.4 / 19.6	24.2 / 23.0 / 22.2	28.2 / 26.8 / 25.8
		Power input	kW	4.23	5.57	7.08	8.77	10.9	9.70	11.1	12.7	14.5	16.5
	Heating	Running current	A	7.15 / 6.79 / 6.54	9.68 / 9.20 / 8.86	11.6 / 11.1 / 10.7	14.9 / 14.1 / 13.6	16.6 / 15.8 / 15.2	16.5 / 15.7 / 15.1	19.3 / 18.3 / 17.7	21.3 / 20.2 / 19.5	24.0 / 22.8 / 22.0	26.3 / 25.0 / 24.1
		Power input	kW	4.28	5.67	6.97	8.51	9.75	9.80	11.3	12.6	14.4	15.4
Starting current	A	1	1	1	2	2	2	2	2	2	3	3	
Air flow rate	m³/h		13,440	13,440	13,920	13,920	13,920	26,880	26,880	27,360	27,840	27,360	
	L/s		3,733	3,733	3,867	3,867	3,867	7,467	7,467	7,600	7,733	7,600	
Refrigerant amount at shipment	kg		5.6	5.6	8.3	8.3	8.3	11.2	11.2	13.9	16.6	13.9	
External static pressure	Pa		80	80	80	80	80	80	80	80	80	80	
Piping connections	Gas pipe	mm (inches)	Ø19.05 (Ø3/4)	Ø22.22 (Ø7/8)	Ø25.40 (Ø1)	Ø25.40 (Ø1)	Ø28.58 (Ø1-1/8)	Ø28.58 (Ø1-1/8)	Ø28.58 (Ø1-1/8)	Ø28.58 (Ø1-1/8)	Ø28.58 (Ø1-1/8)	Ø31.75 (Ø1-1/4)	
	Liquid pipe	mm (inches)	Ø9.52 (Ø3/8)	Ø9.52 (Ø3/8)	Ø12.70 (Ø1/2)	Ø12.70 (Ø1/2)	Ø12.70 (Ø1/2)	Ø15.88 (Ø5/8)	Ø15.88 (Ø5/8)	Ø15.88 (Ø5/8)	Ø15.88 (Ø5/8)	Ø19.05 (Ø3/4)	
	Balance pipe	mm (inches)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	
Ambient temperature operating range			Cooling: -10°C (DB)~ +52°C (DB); Heating: -25°C (WB)~ +18°C (WB)										
Sound pressure level	Normal mode	dB (A)	53.0	56.0	57.0	58.0	61.0	58.0	59.0	59.5	60.0	62.5	
	Silent mode (2)	dB (A)	48.0	51.0	52.0	53.0	56.0	53.0	54.0	54.5	55.0	57.5	
Sound power level	Normal mode	dB	74.0	77.0	78.0	79.0	82.0	79.0	80.0	80.5	81.0	83.5	

Appearance												
HP		56	58	60	62	64	56	58	60	62	64	
Model name		U-56ME2H7HE	U-58ME2H7HE	U-60ME2H7HE	U-62ME2H7HE	U-64ME2H7HE	U-12ME2H7	U-10ME2H7	U-12ME2H7	U-14ME2H7	U-16ME2H7	
Power supply		380/400/415V/3-phase/50Hz 380/400V/3-phase/60Hz										
Capacity	Cooling	kW	156.0	162.0	168.0	174.0	180.0					
	Heating	kW	175.0	182.0	189.0	195.0	201.0					
EER / COP	Cooling	W/W	4.38	4.27	4.24	4.23	4.13					
	Heating	W/W	5.24	5.19	5.15	5.16	5.11					
Dimensions	H x W x D	mm	1,842 x 4,900 x 1,000	1,842 x 4,490 x 1,000	1,842 x 4,900 x 1,000	1,842 x 4,900 x 1,000	1,842 x 4,900 x 1,000					
Net weight		kg	1,170	1,155	1,215	1,260	1,260					
Electrical ratings	Cooling	Running current	A	60.1 / 57.1 / 55.0	64.0 / 60.8 / 58.6	66.9 / 63.5 / 61.2	70.2 / 66.7 / 64.2	73.6 / 69.9 / 67.4				
		Power input	kW	35.6	37.9	39.6	41.1	43.6				
	Heating	Running current	A	56.4 / 53.6 / 51.6	59.9 / 56.9 / 54.9	62.7 / 59.5 / 57.4	64.5 / 61.3 / 59.1	67.1 / 63.7 / 61.4				
		Power input	kW	33.4	35.1	36.7	37.8	39.3				
Starting current	A	6	7	7	8	8						
Air flow rate	m³/h		55,680	55,200	55,680	55,680	55,680					
	L/s		15,467	15,333	15,467	15,467	15,467					
Refrigerant amount at shipment	kg		33.2	30.5	33.2	33.2	33.2					
External static pressure	Pa		80	80	80	80	80					
Piping connections	Gas pipe	mm (inches)	Ø38.10 (Ø1-1/2)	Ø38.10 (Ø1-1/2)	Ø38.10 (Ø1-1/2)	Ø41.28 (Ø1-5/8)	Ø41.28 (Ø1-5/8)					
	Liquid pipe	mm (inches)	Ø19.05 (Ø3/4)	Ø19.05 (Ø3/4)	Ø19.05 (Ø3/4)	Ø19.05 (Ø3/4)	Ø19.05 (Ø3/4)					
	Balance pipe	mm (inches)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)					
Ambient temperature operating range			Cooling: -10°C (DB)~ +52°C (DB); Heating: -25°C (WB)~ +18°C (WB)									
Sound pressure level	Normal mode	dB (A)	65.5	66.5	66.5	66.5	67.0					
	Silent mode	dB (A)	60.5	61.5	61.5	61.5	62.0					
Sound power level	Normal mode	dB	86.5	87.5	87.5	87.5	88.0					

Global remarks

Rated conditions:	Cooling	Heating
Indoor air temperature	27°C DB / 19°C WB	20°C DB
Outdoor air temperature	35°C DB	7°C DB / 6°C WB

These specifications are subject to change without notice. High durable model (with suffix "E") has same specifications.

Appearance																											
HP		8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54		
Model name		U-8ME2H7	U-10ME2H7	U-12ME2H7	U-14ME2H7	U-16ME2H7	U-18ME2H7HE	U-20ME2H7HE	U-22ME2H7	U-24ME2H7	U-26ME2H7	U-28ME2H7	U-30ME2H7	U-32ME2H7	U-34ME2H7HE	U-36ME2H7HE	U-38ME2H7HE	U-40ME2H7HE	U-42ME2H7	U-44ME2H7	U-46ME2H7	U-48ME2H7	U-50ME2H7HE	U-52ME2H7HE	U-54ME2H7HE		
Power supply		380/400/415V/3-phase/50Hz 380/400V/3-phase/60Hz																									
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	68.0	73.0	78.5	85.0	90.0	96.0	101.0	107.0	113.0	118.0	124.0	130.0	135.0	140.0	145.0	151.0	
	Heating	kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0	69.0	76.5	81.5	87.5	95.0	100.0	108.0	113.0	119.0	127.0	132.0	138.0	145.0	150.0	155.0	160.0	169.0	
EER / COP	Cooling	W/W	5.30	5.03	4.73	4.56	4.13	5.15	5.05	4.84	4.69	4.42	4.36	4.31	4.13	4.80	4.72	4.51	4.45	4.31	4.26	4.25	4.13	4.58	4.53	4.40	
	Heating	W/W	5.84	5.56	5.38	5.29	5.13	5.71	5.58	5.48	5.31	5.29	5.24	5.19	5.13	5.40	5.38	5.31	5.23	5.22	5.19	5.18	5.12	5.36	5.33	5.26	
Dimensions	H x W x D	mm	1,842 x 770 x 1,000	1,842 x 770 x 1,000	1,842 x 1,180 x 1,000	1,842 x 1,180 x 1,000	1,842 x 1,180 x 1,000	1,842 x 1,600 x 1,000	1,842 x 1,600 x 1,000	1,842 x 2,010 x 1,000	1,842 x 2,420 x 1,000	1,842 x 2,010 x 1,000	1,842 x 2,420 x 1,000	1,842 x 2,420 x 1,000	1,842 x 2,420 x 1,000	1,842 x 3,660 x 1,000	1,842 x 3,660 x 1,000	1,842 x 3,250 x 1,000	1,842 x 3,660 x 1,000	1,842 x 3,250 x 1,000	1,842 x 3,660 x 1,000	1,842 x 3,660 x 1,000	1,842 x 3,660 x 1,000	1,842 x 4,490 x 1,000	1,842 x 4,900 x 1,000	1,842 x 4,490 x 1,000	
Net weight		kg	210	210	270	315	315	420	420	480	540	525	585	630	630	750	810	795	855	840	900	945	945	1,065	1,125	1,110	
Electrical ratings	Cooling	Running current	A	7.14 / 6.78 / 6.54	9.62 / 9.14 / 8.81	11.8 / 11.2 / 10.8	15.3 / 14.5 / 14.0	18.4 / 17.5 / 16.8	16.6 / 15.7 / 15.2	19.2 / 18.2 / 17.5	21.4 / 20.4 / 19.6	24.2 / 23.0 / 22.2	28.2 / 26.8 / 25.8	30.4 / 28.9 / 27.8	33.6 / 31.9 / 30.8	36.8 / 35.0 / 33.7	33.8 / 32.1 / 30.9	35.7 / 33.9 / 32.7	40.0 / 38.0 / 36.6	42.4 / 40.3 / 38.8	46.3 / 43.9 / 42.4	49.1 / 46.7 / 45.0	52.2 / 49.6 / 47.8	55.2 / 52.4 / 50.5	51.7 / 49.1 / 47.3	53.4 / 50.8 / 48.9	57.9 / 55.0 / 53.0
		Power input	kW	4.23	5.57	7.08	8.77	10.9	9.70	11.1	12.7	14.5	16.5	18.0	19.7	21.8	20.0	21.4	23.7	25.4	27.4	29.1	30.6	32.7	30.6	32.0	34.3
	Heating	Running current	A	7.15 / 6.79 / 6.54	9.68 / 9.20 / 8.86	11.6 / 11.1 / 10.7	14.9 / 14.1 / 13.6	16.6 / 15.8 / 15.2	16.5 / 15.7 / 15.1	19.3 / 18.3 / 17.7	21.3 / 20.2 / 19.5	24.0 / 22.8 / 22.0	26.3 / 25.0 / 24.1	28.2 / 26.8 / 25.8	31.6 / 30.0 / 28.9	33.3 / 31.6 / 30.5	33.8 / 32.1 / 30.9	35.1 / 33.3 / 32.1	37.8 / 35.9 / 34.6	41.0 / 39.0 / 37.6	43.2 / 41.0 / 39.5	44.9 / 42.7 / 41.1	48.3 / 45.9 / 44.3	50.0 / 47.5 / 45.8	48.8 / 46.3 / 44.7	50.6 / 48.1 / 46.4	54.8 / 52.1 / 50.2
		Power input	kW	4.28	5.67	6.97	8.51	9.75	9.80	11.3	12.6	14.4	15.4	16.7	18.3	19.5	20.0	21.0	22.4	24.3	25.3	26.6	28.0	29.3	28.9	30.0	32.1
Starting current	A	1	1	1	2	2	2	2	2	2	3	3	4	4	4	4	4	4	5	5	6	6	5	5	6		
Air flow rate	m³/h		13,440	13,440	13,920	13,920	13,920	26,880	26,880	27,360	27,840	27,360	27,840	27,840	27,840	41,280	41,760	41,280	41,760	41,280	41,760	41,760	41,760	41,760	55,200	55,680	55,200
	L/s		3,733	3,733	3,867	3,867	3,867	7,467	7,467	7,600	7,733	7,600	7,733														

