

PEFY-P NMHU-E

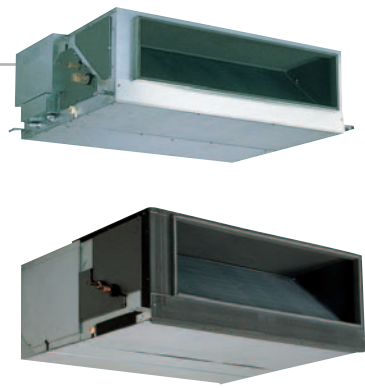
INCREASED DESIGN FLEXIBILITY FROM SUFFICIENT EXTERNAL STATIC PRESSURE ALLOWS AUTHENTIC DUCT AIR-CONDITIONING WITH AN ELEGANT INTERIOR LAYOUT.

208V

Static Pressure
N/A~0.642in.WG
N/A~160Pa

230V

Static Pressure
0.401~0.803in.WG
100~200Pa



MAXIMUM EXTERNAL STATIC PRESSURE 0.803 in.WG [200 Pa]

The additional external static pressure capacity provides flexibility for duct extension, branching and air outlet configuration.

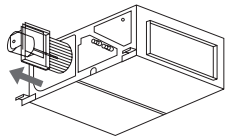
			P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
External static pressure	208V	in.WG	N/A-0.201-0.642								0.281-0.642	
		Pa	N/A-50-160								70-160	
	230V	in.WG	0.401-0.602-0.803								0.401-0.803	
		Pa	100-150-200								100-200	

REDUCED SOUND PRESSURE LEVEL THANKS TO THE USE OF NEWLY DESIGNED CENTRIFUGAL FAN

Sound pressure level table (Standard static pressure 230V)												dB(A)	
Sound pressure level	Capacity		P15	P18	P24	P27	P30	P36	P48	P54	P72	P96	
	Fan Speed	High	39	39	41	41	43	44	44	44	47	54	
		Low	34	34	36	35	38	38	38	38			

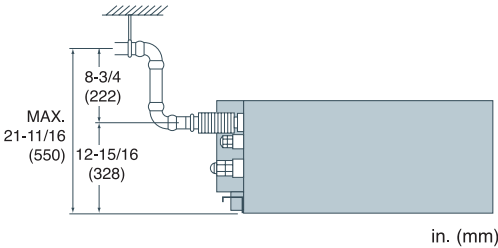
ONE-SIDE MAINTENANCE

All maintenance to the unit, including fan inspection and fan motor removal, can be conducted from the inspection opening on one side.



DRAIN PUMP (OPTION) ENSURES UP TO 21-11/16 in. (550 mm) OF LIFT

The introduction of an upper drain pump allows the drain connection to be raised as high as 21-11/16 in. (550 mm), allowing more freedom in piping layout design and reducing horizontal piping requirements.



SPECIFICATIONS

Model		PEFY-P15NMHU-E		PEFY-P18NMHU-E		PEFY-P24NMHU-E		PEFY-P27NMHU-E		PEFY-P30NMHU-E			
Power source		1-phase 208/230 V 60Hz											
Cooling capacity (Nominal)	*1	BTU / h	15,000	18,000	24,000	27,000	30,000						
	*1	kW	4.4	5.3	7.0	7.9	8.8						
	Power input	kW	0.188/0.207	0.188/0.207	0.245/0.270	0.270/0.297	0.326/0.360						
	Current input	A	0.96/1.06	0.96/1.06	1.25/1.38	1.37/1.51	1.66/1.83						
Heating capacity (Nominal)	*1	BTU / h	17,000	20,000	27,000	30,000	34,000						
	*1	kW	5.0	5.9	7.9	8.8	10.0						
	Power input	kW	0.188/0.207	0.188/0.207	0.245/0.270	0.270/0.297	0.326/0.360						
	Current input	A	0.96/1.06	0.96/1.06	1.25/1.38	1.37/1.51	1.66/1.83						
External finish		Galvanized											
External dimension		in.	14-31/32 x 29-17/32 x 35-7/16	14-31/32 x 29-17/32 x 35-7/16	14-31/32 x 29-17/32 x 35-7/16	14-31/32 x 39-3/8 x 35-7/16	14-31/32 x 39-3/8 x 35-7/16						
H x W x D		mm	380 x 750 x 900	380 x 750 x 900	380 x 750 x 900	380 x 1,000 x 900	380 x 1,000 x 900						
Net weight		lbs (kg)	98 (44)	100 (45)	100 (45)	111 (50)	111 (50)						
Heat exchanger		Cross fin(Aluminium fin and copper tube)											
FAN	Type x Quantity		Sirocco fan x 1		Sirocco fan x 1		Sirocco fan x 1		Sirocco fan x 1				
	External static pressure	in. WG	N/A-0.201-0.642 (208V)		N/A-0.201-0.642 (208V)		N/A-0.201-0.642 (208V)		N/A-0.201-0.642 (208V)				
		Pa	N/A-50-160		N/A-50-160		N/A-50-160		N/A-50-160				
		in. WG	0.401-0.602-0.803 (230V)		0.401-0.602-0.803 (230V)		0.401-0.602-0.803 (230V)		0.401-0.602-0.803 (230V)				
		Pa	100-150-200		100-150-200		100-150-200		100-150-200				
	Motor type		1-phase induction motor										
	Motor output		kW	0.130	0.130	0.180	0.220	0.230					
	Driving mechanism		Direct-driven										
	Airflow rate #2 (Low-High)	cfm	353-494		353-494		477-671		547-777		636-883		
		m³ / min	10.0-14.0		10.0-14.0		13.5-19.0		15.5-22.0		18.0-25.0		
L / s		167-233		167-233		225-317		258-367		300-417			
Sound pressure level (Low-High)		*2 *3	dB <A>		25-32 (208V)		25-32 (208V)		29-36 (208V)		30-38 (208V)		
		dB <A>		34-39 (230V)		34-39 (230V)		36-41 (230V)		35-41 (230V)		38-43 (230V)	
		dB <A>		—		—		—		—		—	
Air filter		Standard filter											
Diameter of refrigerant pipe (O.D.)	Liquid (R410A) (R22)	in. (mm)	ø1/4 (ø6.35) Flare		ø1/4 (ø6.35) Flare		ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Flare		
		ø1/4 (ø6.35) Flare		ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Flare			
	Gas (R410A) (R22)	in. (mm)	ø1/2 (ø12.7) Flare		ø1/2 (ø12.7) Flare		ø5/8 (ø15.88) Flare		ø5/8 (ø15.88) Flare		ø5/8 (ø15.88) Flare		
		ø1/2 (ø12.7) Flare		ø5/8 (ø15.88) Flare		ø5/8 (ø15.88) Flare		ø5/8 (ø15.88) Flare		ø5/8 (ø15.88) Flare			
Field drain pipe diameter		in. (mm)	O.D. 1-1/4 (32)		O.D. 1-1/4 (32)		O.D. 1-1/4 (32)		O.D. 1-1/4 (32)		O.D. 1-1/4 (32)		

Model		PEFY-P36NMHU-E		PEFY-P48NMHU-E		PEFY-P54NMHU-E		PEFY-P72NMHU-E		PEFY-P96NMHU-E			
Power source		1-phase 208/230 V 60Hz											
Cooling capacity (Nominal)	*1	BTU / h	36,000	48,000	54,000	72,000	96,000						
	*1	kW	10.6	14.1	15.8	21.1	28.1						
	Power input	kW	0.683/0.754	0.683/0.754	0.695/0.767	1.352/1.495	1.690/1.870						
	Current input	A	3.38/3.73	3.38/3.73	3.43/3.78	4.48/4.94	5.69/6.28						
Heating capacity (Nominal)	*1	BTU / h	40,000	54,000	60,000	80,000	108,000						
	*1	kW	11.7	15.8	17.6	23.4	31.7						
	Power input	kW	0.683/0.754	0.683/0.754	0.695/0.767	1.352/1.495	1.690/1.870						
	Current input	A	3.38/3.73	3.38/3.73	3.43/3.78	4.48/4.94	5.69/6.28						
External finish		Galvanized											
External dimension		in.	14-31/32 x 47-1/4 x 35-7/16	14-31/32 x 47-1/4 x 35-7/16	14-31/32 x 47-1/4 x 35-7/16	18-17/32 x 49-7/32 x 44-1/8	18-17/32 x 49-7/32 x 44-1/8						
H x W x D		mm	380 x 1,200 x 900	380 x 1,200 x 900	380 x 1,200 x 900	470 x 1,250 x 1,120	470 x 1,250 x 1,120						
Net weight		lbs (kg)	155 (70)	155 (70)	155 (70)	221 (100)	221 (100)						
Heat exchanger		Cross fin(Aluminium fin and copper tube)											
FAN	Type x Quantity		Sirocco fan x 2		Sirocco fan x 2		Sirocco fan x 2		Sirocco fan x 2		Sirocco fan x 2		
	External static pressure	in. WG	N/A-0.201-0.642 (208V)		N/A-0.201-0.642 (208V)		N/A-0.201-0.642 (208V)		0.281-0.642 (208V)		0.281-0.642 (208V)		
		Pa	N/A-50-160		N/A-50-160		N/A-50-160		70-160		70-160		
		in. WG	0.401-0.602-0.803 (230V)		0.401-0.602-0.803 (230V)		0.401-0.602-0.803 (230V)		0.401-0.803 (230V)		0.401-0.803 (230V)		
		Pa	100-150-200		100-150-200		100-150-200		100-200		100-200		
	Motor type		1-phase induction motor										
	Motor output		kW	0.400	0.400	0.400	0.650	0.850					
	Driving mechanism		Direct-driven										
	Airflow rate #2 (Low-High)	cfm	936-1,342		936-1,342		989-1,412		2,048		2,541		
		m³ / min	26.5-38.0		26.5-38.0		28.0-40.0		58.0		72.0		
L / s		442-633		442-633		467-667		967		1,200			
Sound pressure level (Low-High)		*2 *3	dB <A>		31-41 (208V)		31-41 (208V)		45 (208V)		52 (208V)		
		dB <A>		38-44 (230V)		38-44 (230V)		38-44 (230V)		47 (230V)		54 (230V)	
		dB <A>		—		—		—		—		—	
Air filter		Standard filter											
Diameter of refrigerant pipe (O.D.)	Liquid (R410A) (R22)	in. (mm)	ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Brazed		ø3/8 (ø9.52) Brazed		
		ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Flare		ø3/8 (ø9.52) Flare		ø1/2 (ø12.7) Brazed		ø1/2 (ø12.7) Brazed			
	Gas (R410A) (R22)	in. (mm)	ø5/8 (ø15.88) Flare		ø5/8 (ø15.88) Flare		ø5/8 (ø15.88) Flare		ø3/4 (ø19.05) Brazed		ø7/8 (ø22.2) Brazed		
		ø3/4 (ø19.05) Flare		ø3/4 (ø19.05) Flare		ø3/4 (ø19.05) Flare		ø1 (ø25.4) Brazed		ø1-1/8 (ø28.58) Brazed			
Field drain pipe diameter		in. (mm)	O.D. 1-1/4 (32)		O.D. 1-1/4 (32)		O.D. 1-1/4 (32)		O.D. 1-1/4 (32)		O.D. 1-1/4 (32)		

*1 Cooling / Heating capacity indicates the maximum value at operation under the following condition.

Cooling: Indoor 80°F (26.7°C) D.B. / 67°F (19.4°C) W.B., Outdoor 95°F (35°C) D.B.

Pipe length 25ft. (7.6m), Level difference 0ft. (0m)

Heating: Indoor 70°F (21.1°C) D.B., Outdoor 47°F (8.3°C) D.B. / 43°F (6.1°C) W.B.

Pipe length 25ft. (7.6m), Level difference 0ft. (0m)

*2 Airflow rate / Sound pressure level are in (low-high).

*3 It is measured in anechoic room.

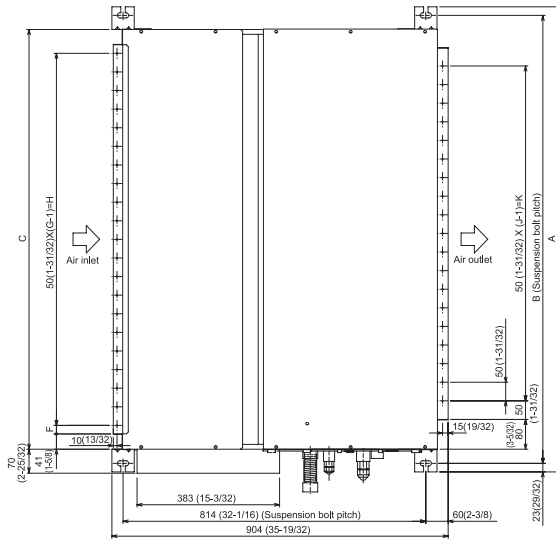
PEFY-P NMHU-E

OPTIONAL PARTS

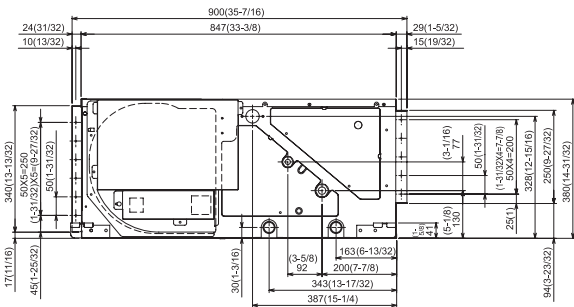
Description	Model	Applicable capacity	Remarks
		PEFY-P NMHU-E	
Drain pump	PAC-KE04DM-F	P15, P18, P24, P27, P30, P36, P48, P54, P72, P96	Filter is NOT attached as standard
	PAC-KE86LAF	P15, P18, P24	
Long life filter	PAC-KE88LAF	P27, P30	
	PAC-KE89LAF	P36, P48, P54	
	PAC-KE85LAF	P72, P96	
Filter box	PAC-KE63TB-F	P15, P18, P24	Necessary when long life filter is used
	PAC-KE80TB-F	P27, P30	
	PAC-KE140TB-F	P36, P48, P54	
	PAC-KE250TB-F	P72, P96	
External heater adaptor	PAC-YU24HT-F	P15, P18, P24, P27 P30, P36, P48, P54, P72, P96	

PEFY-P15/18/24/27/30/36/48/54NMHU-E

Upper view

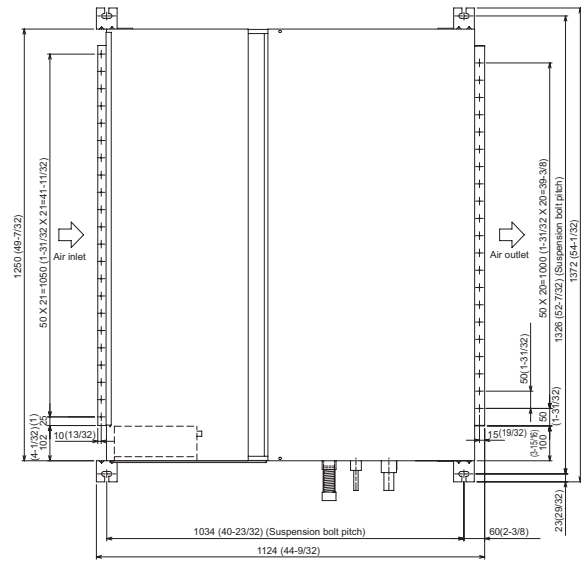


Side view

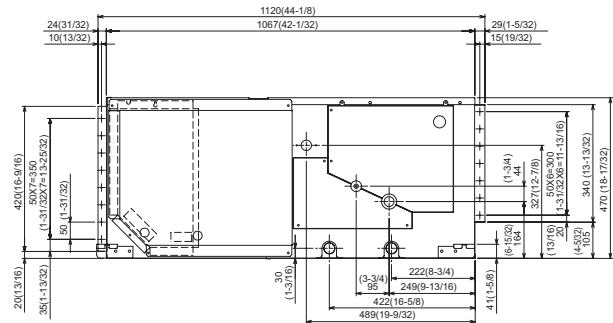


PEFY-P72/96NMHU-E

Upper view



Side view



mm(in.)

Model	A	B	C	F	G	H	J	K
PEFY-P15NMHU-E	800 (31-1/2)	754 (29-11/16)	680 (26-25/32)	50 (1-31/32)	11	500 (19-11/16)	10	450 (17-23/32)
PEFY-P18NMHU-E								
PEFY-P24NMHU-E								
PEFY-P27-30NMHU-E	1050 (41-11/32)	1004 (39-17/32)	930 (36-5/8)	25 (1)	17	800 (31-1/2)	15	700 (27-9/16)
PEFY-P36-48-54NMHU-E	1250 (49-7/32)	1204 (47-13/32)	1130 (44-1/2)	25 (1)	21	1000 (39-3/8)	19	900 (35-7/16)