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		All Areas Europe O		The middle East	
	HITACHI			Southeast Asia	
		Australia		Africa	
	Others ()			
ADVANCED	SUBJECT	DATE: APR14	4		
PRODUCT NEWS	Product News: New Econofresh c	PAGE 1/8			
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<u>Summary</u>

This advanced product news introduces the launching of new Econofresh.

The details are indicated in the description.

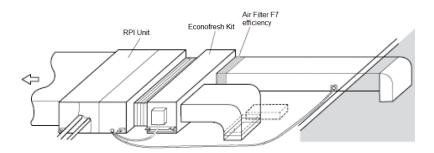
Description

1. DESCRIPTION, CODES AND DATE OF SALES

• New models:

MODEL NAME	CODE	DESCRIPTION	DATE OF SALES
EF-456NE	7E560000	Econofresh kit	April 2014
HEF-EF456	7E561000	High efficiency air filter kit	July 2014





• Discontinued models:

MODEL NAME	CODE	DESCRIPTION	DISCONTINUED DATE
EF-5NE	7E774148	Econofresh kit	April 2014
	10114140	Economestrikit	April 2014

APN-2013033

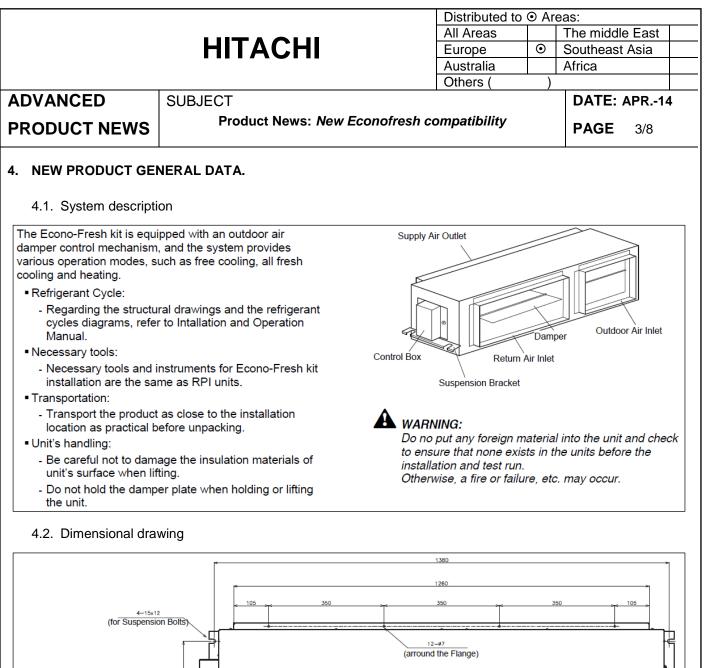
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	r	Others ()	-				
ADVANCED	DATE: APR1	4						
PRODUCT NEWS	Product News: New Econofresh c	ofresh compatibility PAGE 2/8						
2. FEATURES OF THE	NEW PRODUCT.							
2.1. Current functions	3							
New Econo-Fresh keeps the functions of the previous model EF-5NE with some new improvements explained in 2.2								
2.2. Features								
	OMIZER: External Fresh Cold Air in Cooling pressor Thermo OFF) Standard Process and A		inter	mediate seasons	→			
e, e,	pressor (\rightarrow gas density adjustment control)							
A								
	units Up line: RPI-(4.0~6.0)FSN4E (before 5HF	• /	(. l.					
	damper minimum opening is selectable by ren							
	nditions for Thermo ON in cooling economizer of	control (see poir	nt 6).					
Strive 6) Optional filter F7 e	efficiency accessory (7E561000)							
3. COMPATIBILITY								

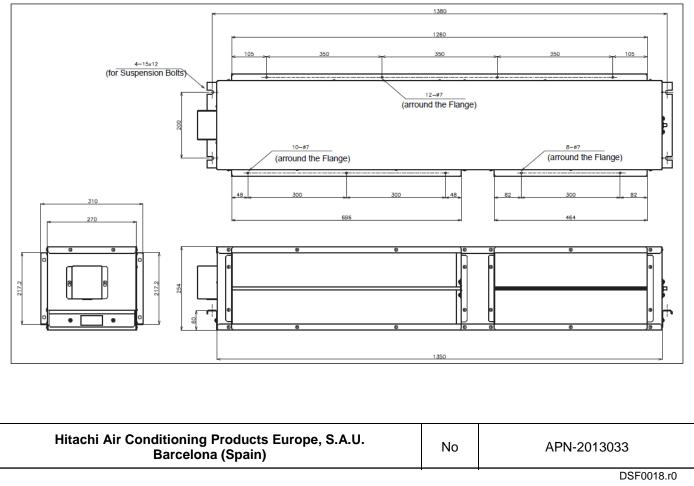
The new Econofresh is compatible with the RPI-FSN4E that incorporates the new PCB, these are available as follows:

DESCRIPTION	CODE	DATE OF SALES	Serial Number
RPI-4.0FSN4E	7E424020	April 2014	
RPI-5.0FSN4E	7E424021	April 2014	From 4KE48896
RPI-6.0FSN4E	7E424022	April 2014	

Note: For machines manufactured before, there will be the PCB (E04029) as a spare part.

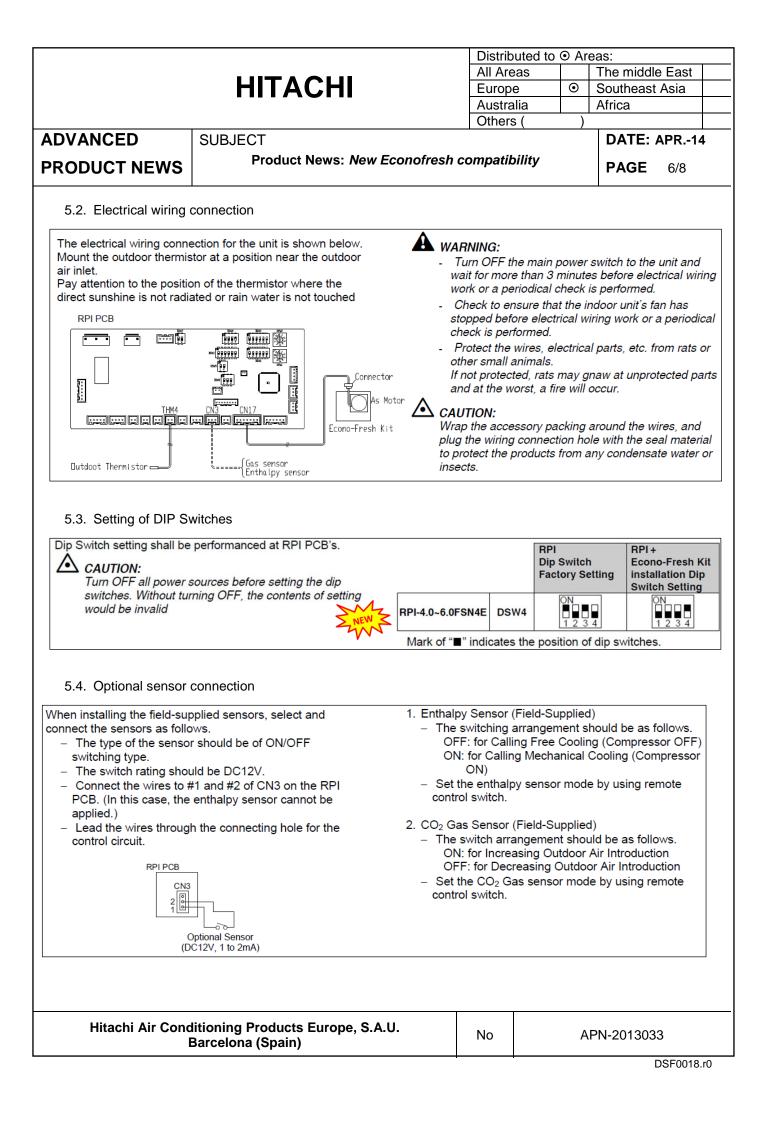
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_	Product News: New E	Econofrest	n compatibility			
PRODUCT NEWS					PAGE 4/8	
. TECHNICAL DATA.						
5.1. Installation						
This unit has been designed outdoor air for free cooling o ensure that the following po designed or arranged:			uct.		r air filter in the outdoor	
			External Static Pressure	of		
1. Resistance of Outdoor A			Indoor Fan			
In order to protect agains intake or excessive intak and insufficient capacity change of supply air duri the resistance of the outo guide range:	Static Pressure			e e		
1/2 Do -	< Po < 4 x Pr	tic P			<u> </u>	
		Sta			д	
PR: Pressure Loss of Rei Supply Air Volume	turn Air Duct at Designed					
	Itdoor Air Duct at Designed	d,				
	ncluding the Outdoor Air Filter.		В	A		
NOTE:	-		Air	Flow		
The balance between return air volume dep discharge air duct, ret arrangement. Refer to general idea and Tecl	n the outdoor air volume and the ends on the arrangement of the turn air duct, and installed duct o point 3 for obtaining the hnical Catalogue for details.	A: Suppl (Retu B: Suppl	rn Air Damper is fully	i Outdoo opened) i Outdoo	or Air damper is fully closed	
2. Pressure Relief Damper	an air-tight structure, positive		sure Loss of Supply A			
pressure inside the build	ling will be created during the		sure Loss of Fresh Ou ssure Loss of Return A		uct.	
free cooling or all-fresh o	operation.					

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PRODUCT NEWS	Product News: New Econofresh o	compatib	oility		PAGE 5/8	
1 Ducting Connection	2 Insulation					
Pre-drilled duct flanges ar outdoor air intake connect ble duct connection be insi- transmission.	e provided at the supply, return and All ducts should tions. It is recommended that a flexi- stalled to minimize sound and vibration - Especia outdoor - The low through heating (*) Insulate (Field-Supplied) 5 mm Outdoor Air (Fully Insula (Field-Supplied) 5 mm	ally the our r air flows in vest temper the outdoo operation Downw Gradier (ied)	tdoor air n, must be rature of t or air duc at the inst at the inst ard nt of Duct Outdoo Thermi (Access	e suffici the ente t is the tallation r stor sory)		ng
form additional insulation the unit.	AS Motor Cable	Pressure Relie Damper If Required)	Bird S (Field	Hobd with icreen -Supplied Saturation 80%F 70%F 30%C rature are	1) n Curve RH *20 mn n r10 mr n *5 mm	
	litioning Products Europe, S.A.U. Barcelona (Spain)	No		AF	PN-2013033	
						-



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VANCED		_				DATE. APR1	4
ODUCT NEWS	Product News: New I	cono:	fresh cor	npatibility		PAGE 7/8	
5.5. Optional function The optional function car Follow the instruction bel Step 1 Changing to Optional S Press the CHECK switch more than 3 seconds wh The operation mode is ch "SERVICE" is indicated a When "01" is not indicate set "01". In this condition mode is changed to the o 01 Flicker COOL HIGH AVC Selection of Indoor Uni When the mode is change	setting by remote control switch a be set by remote control switch. Now. Setting Mode a and the RESET switch together ile the unit is stopped. hanged to the field setting mode, and "01" flickers. ed, press the \bigcirc or \bigcirc switch and press the CHECK switch and the optional setting mode. ed (Press \oslash or \oslash switch) THE SET TEMP SET T	(PC-A • Ste Option Condii The inn 1. T 2. T a The ite the TIN change to "E1" In case	RT) and Setting I tions dication of o he indication and the option m code of o ME ☉ or ᢙ : ed by pressi d by pressi d by pressi	Items and Chang ptional setting is apptional setting is ins of ADDS. and onal setting condit ptional setting is switch. The optior ng the CHECK sw other indoor unit, p cation is changed HECK switch	as shov as shov RN. are ion is ir change nal setti vitch. S press th to the	tting wn below. wn below. e turned OFF idicated. d by pressing ng condition is et the item code ne ☉ or . condition of the	
indicated. 3. The address of the setting is indicated.	indoor unit for optional setting is refrigerant system for optional set by pressing the ☉ or ⓒ switch		$b1 \leftrightarrow b2 \leftrightarrow l$ $00 \leftrightarrow 01 \leftrightarrow ($	2) Press CF $a_3 \leftrightarrow b_4 \sim E4 \leftrightarrow E5 \leftrightarrow$ $a_02) \qquad 00 \leftrightarrow 01 \sim$ Setting	↓ →F1↔F2	2	
condition, press the CHE	CK switch and the indication is	Code	Functions	Conditions	De	scription	
changed to the indication	n of optional setting.	E1	All Fresh Operation	00: Not Available 01, 02: Available		e to fully open the door air damper	
Press CHECK	switch	50	Enthalpy	00: Not Available		halpy Sensor	
	2) 3) Press ⊗ or ⊗ switch	E2	Sensor	01: Available	Inp	ut can be set.	
		E4	Gas Sensor	00: Not Available 01, 02: Available		s Sensor Input can set.	
		d7	Damper minimum opening	00: Step1 (6°) 01: Step2 (12°) 02: Step3 (18°) 03: Step4 (24°) 04: Step5 (36°) 05: Step6 (36°) 06: Step7 (42°) 07: Step8 (48°)	Fre	sh Outdoor Air nper minimum ning selection	
(Address) and RN. "AA", this means th the indoor units.	n indications of the ADDS. (Refrigerant Cycle Number) show he same setting is performed to all not connected are not indicated.	Press memo conditi	from Option the RESET rized and the on. : : The label for attached to the	onal Function Se switch, the option e mode is returne checking the con he holding bracke he setting on the f	al funct d to the tents of t. Write	ion setting is normal f the setting is	
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6. CONTROL IMPROVE	EMENTS.					
6.1. Fresh Outdoor A	ir damper minimum opening is selectab	le by remote c	ontrol sw	<i>i</i> itch		
	the minimum damper opening with ren n setting by remote control switch".	note control sw	ritch. As	explai	ned in the previous	S
6.2. Conditions for Th	nermo ON in cooling economizer contro	I				
	o ON (mechanical cooling), when the R ure in cooling economizer mode.	PI unit cannot	make the	e room	temperature reach	۱
Previous status:						
. RPI in Economiz . Thermo off (cool . Econofresh dam	mode)					
<u>(BEFORE) ECON</u> FSN(1/2/3)	OMIZER control in the Econofresh E	F-5NE assem	bled in t	he pre	vious RPI series	
If the following co	nditions are met:					
- RPI inlet air tei	np. ≥ T _{set} +3; For 6 min					
(T _{set} cannot be - Outdoor Temp		in Thermo ON I RPI inlet air te			Cooling)	
<u>(AFTER) ECONO</u> <u>series</u>	MIZER control in the new Econofres	h EF-456NE as	ssemble	d in th	ne new RPI FSN4E	: -
If the following co	nditions are met					
6		maria alagad	o minim		oning	
(T _{set} cannot be	reached)	nper is closed in Thermo ON I RPI inlet air te	(Mecha	nical C	-	
	BEFORE	AFTER				
	No OA Fully	No OA Fully	>			
	Opened	Opened				
	No Ti ≥ TR + 3	No Ti ≥ TR + 3	>			
	Yes	Yes				
	No Time > 6'	No Time > 6'	>			
	Yes	Yes				
	<u>No</u> To ≥ 17°C	OA Damper a m	in%			
	Ves					
		Thermo ON				
	No $Ti \leq TR + 2$	No Ti ≤ TR - 1	>			
	Yes 1	Yes 1				
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