DAIKIN

WORLD'S LEADING AIR CONDITIONING COMPANY FROM JAPAN

DAIKIN

DAIKIN AIRCONDITIONING INDIA PVT. LTD.

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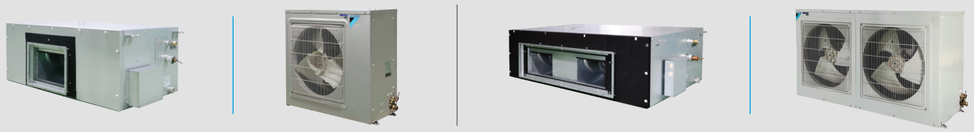
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DAIPL-2016/24-7/PA-1E

Inverter Packaged AC

Powerful Cooling, Energy Saving & Reliability





INVERTER DUCT UNITS

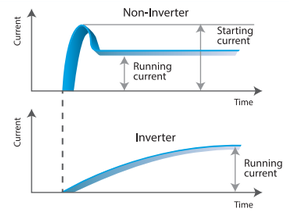
THE NEW INVERTER DUCTED UNITS

INVERTER R-410A

KEY BENEFITS

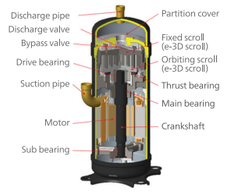
Inverter Technology Benefits

- Reduces load on mains
- Ensures safety of the machine
- Controls starting current
- Power savings (owing to lesser switching of compressor)



High Energy Efficient Scroll Compressor

- High volumetric efficiency
- Longer life
- Low power consumption
- Compact size with less noise



Sensible Microprocessor Control

The integrated microprocessor protects the air conditioner from

- Low suction pressure (LP)
- High discharge pressure (HP)
- Reverse phasing
- Over/under voltage
- Over current
- Refrigerant cooled PCB



New Wired Navigation Remote Controller

- New LCD based wired type remote handset with backlit operation and alphabetic error code display like HP, LP, SPPR and indoor fan current sensor
- In-built energy saver button with glossy finish
- Wide display

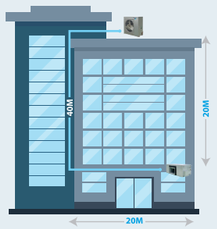


Part Code -4P687293-1

Long Distance Piping

Designed for a 20 m vertical height and a total refrigerant piping distance of 40 m between the indoor and outdoor units.

The units are thus suitable for tall, glass facade buildings.



Operation at High Ambient Temperature

The condenser unit in this new series of inverter duct system is designed to operate effectively at higher ambient temperatures, up to 52°C, ensuring efficient cooling even in the harsh summer months, without tripping.



Pre-Charge Refrigerant

The cooling system is pre-charged with refrigerant and doesn't require additional services to add refrigerant.

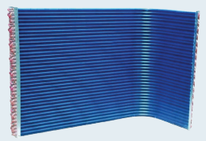
Pre-charged unit saves time during an installation and eliminates the need for leakage inspections.



Daikin- Pre-charged Refrigerant

Blue Fin Condenser and Corrosion-resistant Body

All units have special blue fins made of galvanized sheets - which are powder coated after fabrication making them corrosion-resistant and elegant looking, enhancing the overall life of the system.



TECHNICAL SPECIFICATIONS-INVERTER DUCT HIGH STATIC

INVERTER R-410A

	Parameters	Unit	PA – Packaged Air Conditioners		
UNIT	Capacity	TR	5.5	8.5	11
	Rated Cooling Capacity Full/Half (min~max.)	kW	19.35/9.67 (7.8~20.4)	29.89/14.95 (10.5~31.6)	38.69/19.35 (11.4~41.5)
	Rated Cooling Capacity Full/Half (min~max.)	BTU/Hr	66000/33000 (26760~69600)	102000/51000 36000~108000)	132000/66000 (39000~141600)
	Actual Capacity	% age	> 90% of Nominal Capacity		
	Power Input	kW	8.1	12.8	16.5
	Power Supply	V/Ph/Hz	415V / 3 PH / 50Hz (AC)		
	Refrigerant	Type	R-410A		
	Operation Range (IDU)	°C	19/14~35/24(DB/WB)		
	High Ambient Operation Range	°C	19°C to 52°C		
IDU	Model Name Indoor Unit		FDKR200AV16	FDKR300AV16	FDKR400AV16
	Casing size (HxWxD)	mm	450 x 1170 x 700	450 x 1660 x 700	470 x 1700 x 940
	Air Flow Rate (High)	CFM	2200	3400	4400
	Fan speed	Nos.	3 (High, Med, Low)		
	ESP (Rated)	(Pa)	50	50	60
	Sound Pressure	(dBA)	51	52	54
	Remote Controller		Wired		
	HE Type		FTHX		
	Weight	Kg.	60	95	123
ODU	Model Name Outdoor Unit		RZR200AY16	RZR300AY16	RZR400AY16
	ODU Shape		Side Discharge		
	ODU Qty.	Nos.	1		
	Casing size(HxWxD)	mm	930 x 1025 x 410	930 x 1200 x 550	930 x 1650 x 620
	Max Total Pipe Length	m	40		
	Max Elevation Height	m	20		
	Stop Valve & Precharge		Yes		
	Protector		HPS & LPS		
	Piping size (Gas)	mm	22.2	28.6	28.6
	Piping size (Liquid)	mm	12.7	12.7	15.9
	Compressor Type/Qty	Nos.	Inverter Scroll / 1		
	In Built Accumulator		Yes		
	HE Type / Coating		FTHX / Precoated Blue fins		
	Weight (Approx)	Kg.	110	165	195

FEATURE DETAILS

Description	FDKR -Series
Variable Speed Inverter AC (Automatic)	Yes
High volumetric efficiency scroll compressors	Yes
Sensible Microprocessor Control	Yes
High Airflow and High Static Requirements	Yes
High Ambient Operation Range up to 52°C (Cooling Mode)	Yes
Under Voltage & Over Voltage Protection	Yes
HP/LP protection	Yes
24°C Default temperature Setting	Yes
3-Step Fan Speed	Yes
Error code display on Remote	Yes
Energy Saving Mode	Yes
Blue Fin Condenser and Corrosion-resistant Body	Yes
Metallic Box PCB	Yes
In Built Accumulator – Long Pipe Applications	Yes
Touch-key on/off switch	Yes
Auto restart	Yes
Fault display (Error Code Display)	Yes
Time delay for compressor operation	Yes
Operating Set Temp. Range: 16°C~32°C	Yes
Auto Memory Backup	Yes
7 Day Weekly Timer	Yes
Keypad Lock	Yes
Factory Reset	Yes
Mode of Operation: Cool & Fan	Yes