

Ego

New generation
Monosplit Inverter Systems



DeLonghi
Professional

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Ego is the new air conditioning system monosplit DC Inverter De' Longhi Professional, equipped with Inverter technology and class A energy efficiency.

Thanks to the various type of indoor units, Ego allows to satisfy every comfort or customer requirements, adapting themselves to every type of room and installation.

Flexibility exalted also by the combinations between outdoor and indoor unit. All the external units can be connected to whichever other indoor one of equal power.





Class A energy efficiency

Air conditioners monosplit inverter EGO De'Longhi Professional perform highest energetic efficiency, thanks to compressor inverter DC. Moreover the choice can be made between a large number of possible combinations with indoor units like, cassette, floor&ceiling or duct. All this to assure: maximum quality of comfort, energetic efficiency, minimal aesthetic impact and flexibility.



DC Inverter technology

Inverter DC technology serves to vary the speed and therefore the power distributed from the compressor from a minimum of 20% to a maximum of 130%, unlike the normal air conditioners that, have only two states of operation (on/off), can only work to the nominal speed. The compressor, equipped with Inverter technology, starts to the maximum power allowing to reach the temperature set up in lower time than traditional air conditioners.



Low ambient kit

EGO is equipped with low ambient kit, in order to grant the operation with extremely low temperatures. Thanks to this kit, the units can work in heat pump mode up to -15°C.



Standard flexibility

Also from a logistic point of view, EGO is characterized with remarkable flexibility. The possibility to couple any indoor unit to any external unit of same power, reduces the variability of the products and the handling of the warehouse becomes simpler, assuring greater availability in quantity and timeliness of the service.

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Features

- Ecological refrigerant R410a
- High energy efficiency
- Range from 18kBTU to 60kBTU
- Low ambient kit (-15°C)
- Remote controller or wall panel (optional)
- Indoor central controller (optional)
- Moisture discharge pump with 750mm head
- Low noise
- Auto-restart function
- Full Auto mode
- Cassette: fresh air inlet

HCA 18 - 48 kBtu

Four way cassette unit with inverter technology from 18000 to 48000 BTU/h

Cassettes De' Longhi Professional adopt 4 ways air system of distribution that reduce temperature differences creating a natural and comfortable cooling.

The range of powers available, along with the possibility to install to heights of 3 meters, allows to satisfy all the requirements of room air conditioning. High efficiency and low noise. The adoption of a high efficiency centrifugal fan allows to obtain very low noise and grants an excellent distribution of the air. The rooms become silent and with the possibility to have fresh air resumption, the ambient reaches very comfortable levels.



Indoor unit	HCA-18HRDCF1 compact	HCA-24HRDCF1	HCA-36HRDCF1	HCA-48HRDCF1
Power supply	Ph-V-Hz		220 ~ 240V - 1ph - 50Hz	
Outdoor unit	HUO-18HDF1	HUO-24HDF1	HUO-36HDF1	HUO-48HDF1
Power supply	Ph-V-Hz	220-240V -1ph - 50Hz	220-240V -1ph - 50Hz	3N, 380V, 50Hz
Cooling				
Capacity	Btu/h	17155	22790	31960
	W	5000	6500	9400
Input	W	1400	1860	2820
Rated current	A	6,7	9,1	8,72
EER	W/W	3,57	3,49	3,33
Energy Class		A	A	A
Heating				
Capacity	Btu/h	21142	27962	40920
	W	6200	8200	12000
Input	W	1665	2260	3500
Rated current	A	7,2	9,35	8,41
COP	W/W	3,72	3,63	3,43
Energy class		A	A	B
Moisture Removal	l/h	1,8	2,4	3,8
Max. input consumption	W	2500	2730	4600
Indoor unit				
Indoor air flow (Hi/Lo)	m3/h	800/700/600	920/770/675	1600/1420/1200
Indoor noise level (Hi/Lo)	dB(A)	43/41/38	43/41/38	46/44/40
Dimension (WxHxD) (body)	mm	580x254x580	840x840x240	840x840x310
Dimension (WxHxD) (panel)	mm	650x30x650	950x40x950	950x40x950
Net weight (body)	kg	21	32	32
Net weight (panel)	kg	3	6	6
Outdoor unit				
Outdoor air flow	m3/h	2400	3000	5000
Outdoor noise level	dB(A)	56	55	60,5
Dimension (WxHxD)	mm	880x707x340	930x860x330	990x930x340
Net weight	kg	62,5	72	106
Refrigerant piping				
Refrigerant type/Quantity	g	R410a/1700	R410a/2200	R410a/2600
Quantity of refrigerant for each meter of pipe over 5m	g/m	11	30	30
Liquid side	mm (inch)	6.35 (1/4")	9.53 (3/8")	9.53 (3/8")
Gas side	mm (inch)	12.7 (1/2")	16 (5/8")	16 (5/8")
Max. pipe length	m	25	30	50
Max. difference in level	m	15	15	20
Operation temp	C°		17~30	
Ambient temp	C°		-15~43	

HDU 18 - 60 kBTU

Ducted units unit with inverter technology from 18000 to 60000 BTU/h

The canalized units are indicated for various types of layout and allow to obtain, in rooms equipped with against-ceiling, a null aesthetic impact.

Availability of large number of sizes allow to refresh rooms of any dimension or type and filters grant to eliminate any harmful health elements.



Indoor unit		HDU-18HRDCF1	HDU-24HRDCF1	HDU-36HRDCF1	HDU-48HRDCF1	HDU-60HRDCF1
Power supply	Ph-V-Hz			220 ~ 240V - 1ph - 50Hz		
Outdoor unit		HUO-18HDF1	HUO-24HDF1	HUO-36HDF1	HUO-48HDF1	HUO-60HDF1
Power supply	Ph-V-Hz	220~240V -1ph - 50Hz	220~240V -1ph - 50Hz	3N, 380V, 50Hz	3N, 380V, 50Hz	3N, 380V, 50Hz
Cooling						
Capacity	Btu/h	17155	22790	31960	46205	52935
	W	5000	6500	9400	13200	15500
Input	W	1400	1860	2820	3700	4330
Rated current	A	7	9,55	8,62	11,32	11,32
EER	W/W	3,57	3,49	3,33	3,57	3,58
Energy Class		A	A	A	A	A
Heating						
Capacity	Btu/h	21142	27962	40920	54560	57288
	W	6200	8200	12000	16000	16800
Input	W	1665	2260	3500	4700	4900
Rated current	A	7	10	8	11	11,38
COP	W/W	3,72	3,63	3,43	3,40	3,43
Energy Class		A	A	B	B	B
Moisture Removal	l/h	1,8	2,4	3,6	4,6	6
Max. input consumption	W	2600	2800	4600	6000	7000
Indoor unit						
Indoor air flow (Hi/Lo)	m3/h	1020/870/700	1275/1170/1030	2070/1950/1860	2400/2300/2200	2800/2700/2600
Indoor external static pressure	Pa	40	40	70	70	96
Indoor noise level (Hi/Lo)	dB(A)	45/41/38	49/45/42	49/47/44	51/47/44	52/48/46
Dimension (WxHxD)	mm	1095x295x805	1095x295x805	1350x265x810	1350x330x810	1350x330x810
Net weight	kg	38	38	48	62	62
Outdoor unit						
Outdoor air flow	m3/h	2400	3000	5000	6000	6000
Outdoor noise level	dB(A)	56	55	60,5	61,5	61,5
Dimension (WxHxD)	mm	880x707x340	930x860x330	990x930x340	940x1233x340	940x1233x340
Net weight	kg	62,5	72	106	117	117
Refrigerant piping						
Refrigerant type/Quantity	g	R410a/1650	R410a/2200	R410a/2900	R410a/3550	R410a/3550
Quantity of refrigerant for each meter of pipe over 5m	g/m	11	30	30	30	30
Liquid side	mm (inch)	6.35 (1/4")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")
Gas side	mm (inch)	12.7 (1/2")	16 (5/8")	16 (5/8")	16 (5/8")	16 (5/8")
Max. pipe length	m	25	30	30	50	50
Max. difference in level	m	15	15	20	30	30
Operation temp	C°			17~30		
Ambient temp	C°			-15~43		



HCF 18 - 60 kBTU

Floor-ceiling units with inverter technology from 18000 to 60000 BTU/h

The Floor&ceiling units are characterized by a modern and elegant design. The ceiling type can be easily installed into a corner of the ceiling even if the ceiling is very narrow.

Two direction auto swing (vertical & horizontal) and wide angle air flow, allow the units to give and to maintain the wished conditions of comfort. Moreover extremely silent operation increases that well-being feeling.



Indoor unit		HCF-18HRDCF1	HCF-24HRDCF1	HCF-36HRDCF1	HCF-48HRDCF1	HCF-60HRDCF1
Power supply		Ph-V-Hz	220 ~ 240V - 1ph - 50Hz		220 ~ 240V - 1ph - 50Hz	
Outdoor unit		HUO-18HDF1	HUO-24HDF1	HUO-36HDF1	HUO-48HDF1	HUO-60HDF1
Power supply	Ph-V-Hz	220-240V -1ph - 50Hz	220-240V -1ph - 50Hz	3N, 380V, 50Hz	3N, 380V, 50Hz	3N, 380V, 50Hz
Cooling						
Capacity	Btu/h	17155	22790	31960	46205	52935
	W	5000	6500	9400	13200	15500
Input	W	1400	1860	2820	3700	4330
Rated current	A	6,8	9,25	8,77	11,47	11,47
EER	W/W	3,57	3,49	3,33	3,57	3,58
Energy Class		A	A	A	A	A
Heating						
Capacity	Btu/h	21142	27962	40920	54560	57288
	W	6200	8200	12000	16000	16800
Input	W	1665	2260	3500	4700	4900
Rated current	A	7	9	8	11	11,4
COP	W/W	3,72	3,63	3,43	3,40	3,43
Energy class		A	A	B	B	B
Moisture Removal	l/h	1,8	2,4	3,8	4,8	6
Max. input consumption	W	2500	2750	4600	6000	7000
Indoor unit						
Indoor air flow (Hi/Lo)	m3/h	910/810/700	910/810/700	1400/1200/1000	2000/1800/1600	2000/1800/1600
Indoor noise level (Hi/Lo)	dB(A)	43/41/38	45/43/40	45/43/40	47/46/44	47/46/44
Dimension (WxHxD)	mm	980x660x203	980x660x203	1285x660x203	1670x680x240	1670x680x240
Net weight	kg	29	29	37	52	52
Outdoor unit						
Outdoor air flow	m3/h	2400	3000	5000	6000	6000
Outdoor noise level	dB(A)	56	55	60,5	61,5	61,5
Dimension (WxHxD)	mm	880x707x340	930x860x330	990x930x340	940x1233x340	940x1233x340
Net weight	kg	62,5	72	106	117	117
Refrigerant piping						
Refrigerant type/Quantity	g	R410a/1650	R410a/2200	R410a/2600	R410a/3550	R410a/3550
Quantity of refrigerant for each meter of pipe over 5m g/m		11	30	30	30	30
Liquid side	mm (inch)	6.35 (1/4")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")
Gas side	mm (inch)	12.7 (1/2")	16 (5/8")	16 (5/8")	16 (5/8")	16 (5/8")
Max. pipe length	m	25	30	30	50	50
Max. difference in level	m	15	15	20	30	30
Operation temp	C°			17-30		
Ambient temp	C°			-15-43		



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